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, April, 1928

Section	Temperature								Precipitation					
	Section average	Departure from the normal	Monthly extremes						Section average	Departure from the normal	Greatest monthly		Least monthly	
			Station	Highest	Date	Station	Lowest	Date			Station	Amount	Station	Amount
	° F.	° F.		° F.			° F.		In.	In.		In.		In.
Alabama	59.8	−3.7	Selma	89	[2] 5	Riverton	28	16	9.86	+5.57	Coffee Springs	16.86	Riverton	4.97
Arizona	59.5	−0.1	Gila Bend	104	27	Bright Angel Ranger Station.	6	5	0.20	−0.45	Blue	1.22	36 stations	0.00
Arkansas	57.3	−4.1	3 stations	87	[2] 1	Dutton	22	[2] 10	8.52	+3.64	Huttig	14.01	Amity	4.03
California	55.6	−0.4	Greenland Ranch	108	30	Helm Creek	−16	6	1.46	−0.23	Crescent City	13.03	16 stations	0.00
Colorado	41.4	−1.3	Wray	89	[2] 4	Echo Lake	−19	8	1.00	−0.94	La Veta Pass	6.77	Blanca	T.
Florida	68.5	−1.3	Brooksville	95	22	4 stations	35	[2] 1	7.47	+4.83	Bonifay	20.25	Fort Pierce	0.25
Georgia	61.3	−2.1	Valdosta	89	20	2 stations	27	17	8.07	+4.49	Blakely	14.85	Blue Ridge	4.02
Idaho	42.5	−2.1	4 stations	86	[2] 25	Big Springs	−16	7	1.46	−0.14	Bungalow	6.77	Sugar	T.
Illinois	48.6	−3.8	Greenville	83	2	Mount Carroll	15	15	3.34	−0.07	New Burnside	7.13	Minonk	1.73
Indiana	48.0	−4.0	Cambridge City	84	3	Marengo	17	10	2.95	−0.54	Evansville	5.23	Huntington	0.67
Iowa	44.3	−4.6	Oakland	88	2	Mason City	6	15	2.24	−0.72	Afton	4.37	Sioux City	0.22
Kansas	51.6	−2.1	Salina	93	2	Oberlin	10	14	2.34	−0.29	Newton	7.45	Phillipsburg	0.08
Kentucky	52.9	−3.0	Williamsburg	83	2	2 stations	21	16	4.20	+0.17	Mayfield	7.48	Munfordville	1.28
Louisiana	63.0	−4.0	Donaldsonville	91	20	2 stations	30	[2] 14	6.82	+2.12	Robeline	11.81	Lake Charles	2.36
Maryland-Delaware	50.0	−2.5	3 stations	85	5	Oakland, Md	14	16	5.86	+2.50	State Sanatorium, Md.	8.37	Takoma, Md	4.27
Michigan	39.1	−3.7	Five Channels	79	4	Humboldt	−11	20	2.99	+0.52	Charlevoix	5.75	St. Joseph	0.78
Minnesota	37.0	−5.6	Gull Lake Dam	88	1	Fosston	0	19	2.01	+0.02	Red Wing	4.80	Hallock	0.35
Mississippi	60.7	−3.6	2 stations	89	[2] 20	Pontotoc	29	16	8.93	+3.74	Monticello	14.42	Hernando	4.85
Missouri	51.6	−3.5	Tarkio	88	2	Unionville	16	15	4.79	+1.06	Koshkonong	9.43	Kidder	1.01
Montana	39.6	−2.8	Winifred	88	29	Hebgen Dam	−11	8	0.91	−0.24	Columbia Falls	3.46	Foster	0.08
Nebraska	46.4	−2.6	3 stations	92	[2] 2	2 stations	1	8	0.46	−1.98	Auburn	4.01	6 stations	0.00
Nevada	47.2	−1.2	Logandale	100	29	2 stations	8	8	0.41	−0.40	Hylton	1.92	7 stations	0.00
New England	41.3	−2.4	2 stations	84	5	Somerset, Vt	−17	1	4.16	+0.93	Machias, Me	7.81	Bethlehem, N. H	1.32
New Jersey	47.4	−1.9	South Orange	85	5	Runyon	16	3	5.26	+1.64	Tuckerton	7.16	New Milford	3.82
New Mexico	49.2	−1.3	Lakewood	99	30	2 stations	−14	9	0.77	−0.29	Gallinas Planting Station.	3.51	5 stations	0.00
New York	41.8	−2.6	Voorheesville	92	5	Indian Lake	−7	2	3.61	+0.73	High Falls	7.84	Chazy	0.58
North Carolina	55.8	−2.0	2 stations	85	[2] 5	Mount Mitchell	8	28	5.91	+2.04	Mount Mitchell	10.58	Cullowhee	3.33
North Dakota	35.9	−5.8	Minot	84	28	Eckman	−6	19	0.88	−0.50	Mott	2.30	Westhope	0.08
Ohio	46.5	−3.5	Middleport	85	6	2 stations	16	16	3.06	−0.29	Wilmington	4.63	Put-in-Bay	1.65
Oklahoma	57.3	−2.4	Hobart	97	17	Boise City	17	13	4.86	+0.76	Tuskahoma	13.30	Kenton	0.82
Oregon	46.6	−1.5	2 stations	88	[2] 9	Fremont	7	7	3.23	+0.94	Valsetz	16.45	Bend	0.06
Pennsylvania	46.0	−2.8	Bradford	88	7	2 stations	11	16	5.50	+2.13	Somerset	9.82	Sharon	2.11
South Carolina	59.9	−2.4	Marion	89	3	Cherokee (near)	28	16	6.40	+3.33	Camden	10.65	Charleston	2.54
South Dakota	41.1	−4.4	Menno	86	2	Watertown	−5	14	0.87	−1.20	Dumont	2.92	Fairfax	0.10
Tennessee	55.5	−3.1	Copperhill	85	5	Crossville	22	16	6.01	+1.49	Sewanee	9.45	Nashville	3.22
Texas	62.6	−3.4	Ricardo	106	21	Dalhart	18	9	2.15	−1.10	Jefferson	10.47	3 stations	0.00
Utah	45.5	−1.3	St. George	94	30	Fruitland	4	8	0.65	−0.67	Manila	3.00	4 stations	0.00
Virginia	52.4	−2.2	Woodstock	87	6	Burkes Garden	17	16	4.88	+1.53	Massinaccac	7.23	Fredericksburg	2.85
Washington	45.8	−1.9	Alpowa Ranch	84	26	Stockdill Ranch	12	7	3.68	+1.17	Cougar	17.76	2 stations	0.42
West Virginia	48.6	−3.2	3 stations	88	[2] 5	2 stations	11	16	5.08	+1.38	Bayard	8.00	Union	2.57
Wisconsin	38.0	−5.4	Prairie du Chien	79	4	Rest Lake	−20	15	2.42	−0.13	Eau Claire	4.47	2 stations	1.37
Wyoming	38.0	−2.2	Dull Center (near)	87	27	Dome Lake	−23	8	0.72	−0.74	Dome Lake	2.92	Dubois	0.00
Alaska [*March*]	9.5	−4.9	Hydaburg	64	19	Allakaket	−56	18	1.86	+0.19	Ketchikan	23.87	White Mountain	T.
Hawaii	71.9	+1.6	Mahukona	91	7	Volcano Observatory.	50	21	6.76	−1.50	Wahiawa Water Co. (intake).	32.80	Mahukona	0.13
Porto Rico	75.4	+0.2	2 stations	93	8	Toro Negro	54	11	1.87	−2.88	San Sebastian	8.15	Coroza	0.16

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

[2] Other dates also.

TABLE 1.—*Climatological data for Weather Bureau stations, April, 1928*

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station, reduced to mean of 24 hours	Pressure: Sea level, reduced to mean of 24 hours	Pressure: Departure from normal	Temperature of the air: Mean max. + mean min. ÷ 2	Temperature of the air: Departure from normal	Temperature of the air: Maximum	Temperature of the air: Date	Temperature of the air: Mean maximum	Temperature of the air: Minimum	Temperature of the air: Date	Temperature of the air: Mean minimum	Temperature of the air: Greatest daily range	Mean wet thermometer	Mean temperature of the dew-point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with .01, or more	Wind (3-cup anemometer used): Total movement	Wind: Prevailing direction	Wind: Maximum velocity: Miles per hour	Wind: Maximum velocity: Direction	Wind: Maximum velocity: Date	Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month
	Ft.	Ft.	Ft.	In.	In.	In.	°F.	°F.	°F.		°F.	°F.		°F.	°F.	°F.	°F.	%	In.	In.		Miles								0–10	In.	In.
New England							**42.7**	**−1.2**										**71**	**3.79**	**+0.8**										**5.7**		
Eastport	76	67	85	29.80	29.89	−.04	38.6	−0.4	56	7	45	24	16	32	24	35	31	75	2.14	−0.7	12	8,157	s.	48	ne.	24	3	12	15	7.3	1.5	0.0
Greenville, Me.	1,070	6		28.70	29.88		35.1		73	6	44	9	2	26	36				3.87		16		nw.				6	5	19		26.2	
Portland, Me.	103			29.81	29.94	−.02	41.2	−1.8	70	8	49	25	2	34	27	37	31	69	4.96	+1.6	13	7,132	nw.	28	s.	3	15	5	10	4.7	1.7	0.0
Concord	289	82	117	29.60	29.92	−.07	42.0	−1.4	82	6	53	20	2	31	48				3.55	+0.8	12	5,241	w.	29	w.	9	13	7	10	5.2	14.1	0.0
Burlington	403	70	79	29.46	29.91	−.08	39.8	−3.5	77	6	48	16	2	32	38				2.07	−0.1	12	7,668	nw.	54	s.	3	3	7	20	7.4	0.4	0.0
Northfield	125	12	60	28.96	29.93	−.06	37.0	−3.3	78	6	47	5	2	27	42	33	29	73	3.39	+1.3	13	5,352	s.	35	sw.	8	4	10	16	7.1	11.9	0.0
Boston	12	115	188	29.79	29.93	−.04	46.8	+0.4	84	5	56	28	16	38	42	40	33	64	4.68	+1.3	11	7,807	w.	27	sw.	25	11	9	10	5.2	T.	0.0
Nantucket	26	14	90	29.92	29.93	−.04	43.7	+0.3	62	7	49	30	2	38	18	40	36	77	3.44	+0.8	11	12,600	sw.	48	ne.	11	12	11	7	5.0	0.0	0.0
Block Island	160	11	46	29.90	29.93	−.05	43.9	−0.1	60	19	49	30	16	38	18	40	36	77	3.97	+0.4	12	13,837	sw.	54	ne.	11	5	15	10	5.8	0.2	0.0
Providence	159	215	251	29.76	29.94	−.04	45.4	−1.2	81	5	54	26	2	37	39	39	32	64	3.69	+0.5	15	9,418	nw.	52	nw.	25	9	14	7	5.1	T.	0.0
Hartford	106	122		29.78	29.95	−.04	45.6	−1.1	77	5	55	26	2	36	34				4.71	+1.4	13		s.				11	9	10	5.0	T.	0.0
New Haven		74	153	29.84	29.96	−.03	45.8	−1.4	77	19	55	28	2	37	34	41	36	72	5.11	+1.6	12	7,535	sw.	38	w.	19	9	15	6	5.1	T.	0.0
Middle Atlantic States							**45.5**	**−1.8**										**66**	**5.36**	**+2.0**										**5.7**		
Albany	97	102	115	29.84	29.94	−.06	44.8	−2.0	82	5	54	24	2	36	35	38	31	64	3.29	+0.8	14	5,327	sw.	29	s.	3	10	11	9	5.3	3.1	0.0
Binghamton	871	10	84	28.99	29.94	−.08	43.3	−2.1	81	5	53	23	16	34	35				4.73	+2.5	15	5,266	w.	30	w.	8	8	7	15	6.3	7.5	0.0
New York	314	414	454	29.62	29.96	−.04	47.5	−1.9	77	5	56	28	16	39	35	41	33	61	4.71	+1.5	11	13,187	nw.	61	nw.	19	8	10	12	6.2	T.	0.0
Harrisburg	374	94	104	29.57	29.97	−.05	48.0	−2.9	80	5	57	28	16	39	34	41	33	60	6.22	+3.7	10	5,998	w.	34	sw.	19	7	10	13	6.1	2.4	0.0
Philadelphia	114	123	341	29.85	29.98	−.03	50.6	−1.5	81	19	59	31	16	42	36	44	38	68	5.55	+2.5	10	8,875	w.	47	ne.	27	10	9	11	5.9	1.0	0.0
Reading	325	81	98	29.61	29.96		49.0		81	5	58	29	16	40	37	41	33	58	5.95	+2.7	11	5,470	w.	31	sw.	19	12	10	8	5.3	3.0	0.0
Scranton	805	111	119	29.08	29.96	−.05	45.2	−2.9	80	5	55	25	16	35	38	40	34	70	5.03	+2.4	13	6,136	s.	38	sw.	19	10	6	14	6.0	2.2	0.0
Atlantic City	52	37	172	29.91	29.97	−.03	47.6	−0.2	70	19	54	30	16	41	24	43	38	73	6.87	+3.9	11	13,794	w.	72	ne.	28	12	10	8	4.7	T.	0.0
Cape May	17	13	49				49.2	+0.8	72	19	57	30	17	41	26	45	41	77	4.17		14		nw.				14	5	11		T.	0.0
Sandy Hook	22	10	55	29.93	29.95		47.1		75	5	54	31	16	40	30	41	35	68	4.26		11	12,121	w.	50	ne.	28	8	10	12	5.7	T.	0.0
Trenton	190	159	183	29.76	29.96		48.2		79	5	58	28	16	39	38	43	37	71	4.67	+1.4	12	9,182	w.	41	e.	28	9	9	12	5.8	1.2	0.0
Baltimore	123	100	215	29.84	29.97	−.04	51.9	−1.7	84	19	61	31	16	43	35	44	38	64	6.26	+2.9	12	8,629	sw.	46	sw.	19	9	9	12	5.7	T.	0.0
Washington	112	62	85	29.85	29.97	−.05	51.9	−1.4	84	19	62	29	16	42	37	44	36	60	4.49	+1.2	9	5,865	nw.	28	w.	19	11	7	12	5.7	T.	0.0
Cape Henry	18	8	54	29.96	29.98		56.0		84	22	65	35	17	47	32	50	44	68	3.80	+0.5	10	9,430	sw.	38	nw.	23	13	6	11	4.9	0.0	0.0
Lynchburg	681	153	188	29.24	29.98	−.04	53.2	−4.1	80	4	64	29	16	42	34	46	40	64	4.55	+1.6	10	6,635	sw.	28	s.	7	11	8	11	5.5	0.0	0.0
Norfolk	91	170	205	29.90	30.00	−.01	56.6	−0.2	80	22	67	37	16	47	30	49	42	65	4.24	+1.0	10	10,210	s.	40	sw.	19	11	8	11	5.1	0.0	0.0
Richmond	144	11	52	29.84	29.99	−.03	54.2	−2.4	82	4	65	31	16	43	35	47	41	68	6.86	+3.4	14	7,100	sw.	34	sw.	14	12	6	12	5.5	0.0	0.0
Wytheville	2,304	49	55	27.59	29.98	−.05	49.0	−3.0	71	4	58	25	16	40	29	42	37	70	3.35	+0.4	16	5,418	w.	26	w.	7	5	13	12	6.5	1.8	0.0
South Atlantic States							**60.2**	**−1.7**										**71**	**6.00**	**+3.0**										**5.3**		
Asheville	2,253	70	84	27.62	29.98	−.05	52.0	−1.9	75	2	62	27	16	42	35	45	39	68	4.53	+1.3	14	7,023	se.	29	s.	7	10	9	11	5.8	2.3	0.0
Charlotte	779	55	62	29.16	30.00	−.03	57.2	−2.6	79	6	68	32	16	47	30	50	44	69	5.87	+2.6	11	4,252	sw.	25	sw.	7	6	12	12	6.3	T.	0.0
Hatteras	11	11	50	30.00	30.01	.00	60.2	+0.4	76	21	67	41	16	54	25	56	52	77	9.25	+5.7	10	10,706	sw.	38	s.	27	14	8	8	4.3	0.0	0.0
Raleigh	376	103	110	29.60	30.01	−.02	56.8	−2.6	80	22	67	32	16	46	33	51	47	76	5.50	+2.0	11	6,246	sw.	33	nw.	22	10	8	12	5.7	0.0	0.0
Wilmington	78	81	91	29.95	30.03	.00	60.2	−1.8	81	25	69	38	17	51	26	55	51	76	7.19	+4.5	11	5,881	sw.	29	s.	27	13	7	10	4.7	0.0	0.0
Charleston	48	11	92	29.97	30.02	−.01	64.0	−0.5	83	25	72	43	16	56	25	58	54	75	2.54	0.0	9	8,020	sw.	42	sw.	23	14	8	8	4.7	0.0	0.0
Columbia, S. C.	351	41	57	29.63	30.01	−.02	61.4	−1.9	83	2	72	39	17	51	33	53	47	67	6.39	+3.5	10	5,468	sw.	29	sw.	22	12	7	11	5.5	0.0	0.0
Due West	711	10	55	29.25	30.03		58.0		79	25	68	34	16	48	32				5.96		10	7,128	sw.	36	sw.	7	8	10	12	5.7	0.0	0.0
Greenville, S. C.	1,039	139	146	28.89	29.99		56.6	−2.0	79	2	66	34	16	47	30	50	45	70	5.66		12	6,815	ne.	34	sw.	7	7	9	14	6.4	0.0	0.0
Augusta	182	62	77	29.80	30.00	−.03	62.4	−1.8	85	21	73	40	17	52	33	54	47	63	6.40	+3.3	10	4,712	s.	26	w.	7	12	7	11	5.0	0.0	0.0
Savannah	65	150	194	29.96	30.03	.00	64.6	−1.4	82	20	74	43	28	55	27	58	53	73	4.12	+1.6	8	8,773	s.	38	sw.	23	11	11	8	4.8	0.0	0.0
Jacksonville	43	209	245	29.98	30.03	−.01	66.6	−2.1	85	22	75	47	28	59	22	59	54	69	8.19	+5.8	9	8,180	s.	35	nw.	28	12	11	7	4.5	0.0	0.0
Florida Peninsula							**73.4**	**+0.2**										**72**	**2.16**	**0.0**										**4.2**		
Key West	22	10	64	29.98	30.00	−.02	76.0	+0.3	87	26	81	62	29	71	14	69	66	75	1.74	+0.4	4	8,295	se.	33	w.	11	22	3	5	3.0	0.0	0.0
Miami	25	71	164	30.01	30.04		73.6	+0.8	87	16	79	48	29	68	25	67	63	72	0.42	−2.9	6	8,876	e.	30	s.	11	11	12	7	5.0	0.0	0.0
Tampa	35	79	87	29.99	30.03	−.03	70.5	−0.4	88	22	80	47	1	61	28	62	58	70	4.31	+2.5	6	4,911	e.	27	sw.	27	14	8	8	4.7	0.0	0.0
Titusville	44	5		29.99	30.04		68.6		86	15	78	42	29	59	34				5.37		8		se.				15	6	9	4.1	0.0	0.0
East Gulf States							**61.3**	**−3.4**										**70**	**8.26**	**+3.9**										**5.1**		
Atlanta	1,173	190	216	28.76	30.01	−.02	57.9	−3.1	77	25	67	38	28	49	26	50	43	64	5.42	+1.8	11	8,117	nw.	45	nw.	27	8	8	14	6.0	T.	0.0
Macon	370	78	87	29.61	30.01	−.02	60.6	−3.3	81	25	71	37	1	50	36	54	47	67	8.02	+4.6	11	4,909	s.	25	nw.	27	14	4	12	5.1	0.0	0.0
Thomasville	273	49	58	29.72	30.02	−.01	64.5	−2.2	85	26	75	43	1	54	30	56	51	69	7.92	+4.3	9	3,314	sw.	22	sw.	23	11	8	11	5.5	0.0	0.0
Apalachicola	36	42	49	29.98	30.01		64.4		77	23	71	47	1	58	19	59	56	76	18.62		8	6,099	s.	27	e.	10	15	7	8	4.1	0.0	0.0
Pensacola	56	149	185	29.94	30.00	−.02	63.1	−3.6	75	26	69	42	16	57	23	58	55	78	8.73	+4.7	9	9,995	se.	38	s.	22	12	9	9	4.6	0.0	0.0
Anniston	741	9	57	29.22	30.01	−.02	57.8	−2.6	80	26	69	31	16	46	39				8.17	+4.5	12	4,113	s.	22	nw.	27	14	5	11	5.0	0.0	0.0
Birmingham	700	11	48	29.24	30.00	−.02	59.1	−4.2	81	25	69	33	16	49	30	51	45	66	9.50	+4.8	12	5,932	s.	28	s.	22	11	6	13	5.4	0.0	0.0
Mobile	57	125	161	29.93	30.00	−.02	63.2	−3.1	79	22	72	41	16	55	27	58	54	78	6.86	+2.2	8	8,218	s.	40	nw.	6	12	8	10	4.9	0.0	0.0
Montgomery	223	100	112	29.75	30.00	−.03	61.4	−3.9	82	26	71	39	16	52	31	54	47	66	9.58	+5.3	11	5,172	s.	24	n.	27	10	8	12	5.5	0.0	0.0
Corinth	469	6					58.7		79	5	69	32	16	48	34				5.12		11		s.				0	26	4		0.0	0.0
Meridian	375	87	95	29.59	29.99	−.03	60.6	−3.4	85	20	72	36	16	50	35	53	47	66	9.94	+4.9	9	5,252	sw.	25	nw.	27	15	4	11	4.8	0.0	0.0
Vicksburg	247	65	73	29.72	30.00	.00	60.8	−4.8	84	20	71	38	9	51	30	54	50	71	9.30	+4.1	10	5,856	s.	30	se.	21	12	7	11	4.8	0.0	0.0
New Orleans	53	76	84	29.93	29.99	−.01	65.6	−3.2	85	20	74	46	15	58	24	59	54	72	7.47	+2.2	7	5,227	se.	26	se.	5	13	5	12	5.2	0.0	0.0
West Gulf States							**62.2**	**−4.3**										**71**	**3.30**	**−0.3**										**5.1**		
Shreveport	249	77	93	29.69	29.96	−.01	61.4	−4.4	85	20	71	35	14	52	34	54	48	70	5.81	+1.2	11	5,083	se.	23	nw.	21	13	3	14	5.3	T.	0.0
Bentonville	1,303	11	44	28.54	29.91	−.05	53.2	−3.7	79	1	63	26	15	43	32				9.85		9		s.		s.		19	3	8		0.0	0.0
Fort Smith	457	79	94	29.44	29.92	−.04	57.0	−4.8	81	1	67	32	15	48	34	50	43	63	7.31	+3.4	7	6,333	e.	35	sw.	5	10	7	13	5.9	0.0	0.0
Little Rock	357	136	144	29.57	29.95	−.03	57.6	−4.5	80	18	67	35	15	48	31	50	43	65	7.01	+2.5	12	7,398	s.	33	e.	5	10	5	15	5.9	T.	0.0
Austin	605	136	148	29.28	29.91		64.0	−3.8	92	21	76	36	9	52	39	57	53	74	2.14	−2.2	7	7,983	s.	34	ne.	14	11	10	9	5.0	T.	0.0
Brownsville	57	53	61	29.82	29.88		69.4	−4.3	90	21	78	44	9	61	29	62	58	76	1.70	+0.3	7	7,261	s.	29	n.	8	11	12	7	4.7	0.0	0.0
Corpus Christi	20	11	78	29.89	29.91	−.04	67.2	−3.6	88	5	75	43	10	60	36	61	58	78	0.50	−1.3	6	10,965	se.	39	n.	14	10	10	10	5.3	0.0	0.0
Dallas	512	220	227	29.38	29.92		60.8		89	30	71	32	15	51	31				3.88		10	10,509	se.	44	nw.	26	12	9	9	4.8	T.	0.0
Fort Worth	670	106	114	29.18	29.89	−.05	62.2	−2.8	95	30	74	33	15	51	35	53	48	67	5.70	+1.6	8	8,280	s.	38	se.	3	9	10	11	5.7	T.	0.0
Galveston	54	106	114	29.91	29.97	.00	63.6	−5.1	80	22	69	41	15	58	26	59	56	80	1.43	−1.6	6	9,045	s.	36	w.	5	14	6	10	4.7	0.0	0.0
Groesbeck	461	11	56	29.44	29.93		61.4		87	30	72	34	15	51	36				2.42		8	10,385	s.	36	se.	5	14	7	9	4.8	T.	0.0
Houston	138	292	314	29.81	29.96		63.4	−6.2	80	30	71	38	15	55	30				1.54	−2.3	7	10,933	se.	50	ne.	9	14	5	11	4.8	0.0	0.0
Palestine	510	64	72	29.41	29.95	−.01	60.8	−5.2	85	30	70	34	15	51	35	54	50	72	2.68	−1.7	9	6,896	s.	31	se.	5	12	5	13	5.2	T.	0.0
Port Arthur	34	58	66	29.92	29.96		63.6		81	22	70	38	15	57	26				4.46		9	7,040	s.	30	ne.	9	12	5	13	5.4	0.0	0.0
San Antonio	693	119	132	29.18	29.90	−.03	65.8	−3.3	93	21	77	37	9	54	39	56	49	63	1.70	−1.5	8	6,251	se.	30	se.	4	13	9	8	4.7	0.0	0.0
Taylor	583	55	63	29.35	29.96	+.01	63.3	−4.2	90	21	75	35	15	52	40				2.14	−1.8	6	8,303	s.	30	se.	5	13	11	6	4.5	0.0	0.0

TABLE 1.—*Climatological data for Weather Bureau stations, April, 1928*—Continued

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station reduced to mean of 24 hours	Pressure: Sea level, reduced to mean of 24 hours	Pressure: Departure from normal	Temperature of the air: Mean max. + mean min. ÷ 2	Temperature: Departure from normal	Temperature: Maximum	Temperature: Date	Temperature: Mean maximum	Temperature: Minimum	Temperature: Date	Temperature: Mean minimum	Temperature: Greatest daily range	Mean wet thermometer	Mean temperature of the dew-point	Mean relative humidity	Precipitation: Total	Precipitation: Departure ≤t from normal	Precipitation: Days with .01, or more	Wind (3-cup anemometer used): Total movement	Wind: Prevailing direction	Wind: Maximum velocity: Miles per hour	Wind: Maximum velocity: Direction	Wind: Maximum velocity: Date	Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month
	Ft.	Ft.	Ft.	In.	In.	In.	°F.	°F.	°F.		°F.	°F.		°F.	°F.	°F.	°F.	%	In.	In.		Miles								0–10	In.	In.
Ohio Valley and Tennessee							**51.2**	**−3.6**										**62**	**4.45**	**+0.8**										**6.4**		
Chattanooga	762	189	213	29.18	29.99	−.04	56.8	−3.5	78	2	66	34	9	47	31	48	40	60	7.79	+2.9	13	7,114	sw.	34	se.	21	3	13	14	6.4	T.	0.0
Knoxville	995	102	111	28.93	29.99	−.04	55.6	−2.4	79	4	66	32	16	46	30	47	40	62	5.54	+1.4	15	6,273	sw.	30	sw.	7	2	16	12	6.6	T.	0.0
Memphis	399	76	97	29.54	29.96	−.04	57.4	−4.4	77	18	66	35	15	49	26	49	42	61	6.70	+1.9	13	6,464	sw.	32	w.	13	10	7	13	5.9	0.0	0.0
Nashville	546	168	191	29.41	30.00	−.01	55.6	−3.4	77	3	65	33	15	46	32	47	39	56	3.22	−0.9	12	8,266	s.	46	se.	6	7	10	13	6.2	0.0	0.0
Lexington	989	193	230	28.91	29.98	−.04	50.6	−3.7	77	2	60	28	15	42	33	----	----	----	2.79	−0.6	12	10,147	sw.	46	nw.	14	7	13	10	5.8	T.	0.0
Louisville	525	188	234	29.40	29.98	−.03	52.3	−4.1	79	2	61	29	10	43	33	45	40	68	4.15	+0.3	9	8,795	s.	41	s.	6	7	9	14	6.3	T.	0.0
Evansville	431	76	116	29.51	29.99	−.01	52.5	−4.2	76	5	61	31	9	44	30	45	37	61	5.23	+1.3	12	7,658	s.	37	s.	5	5	16	9	6.1	T.	0.0
Indianapolis	822	194	230	29.06	29.96	−.04	47.8	−4.3	76	2	57	24	15	39	33	41	32	59	2.76	−0.9	14	9,526	w.	38	w.	14	10	10	10	5.5	T.	0.0
Royal Center	736	11	55	29.13	29.94	----	45.2	----	75	3	56	21	15	34	33	----	----	----	1.42	----	13	9,185	w.	39	w.	30	5	16	9	6.3	0.3	0.0
Terre Haute	575	96	129	29.33	29.95	----	49.4	----	78	2	59	26	9	40	32	42	35	64	2.09	----	11	7,954	s.	33	se.	6	4	13	13	6.3	0.2	0.0
Cincinnati	627	11	51	29.29	29.97	−.04	49.6	−2.8	78	2	59	27	10	40	38	42	35	62	3.66	+0.5	13	6,986	sw.	34	sw.	14	4	14	12	6.5	T.	0.0
Columbus	822	179	222	29.08	29.97	−.05	47.4	−3.8	78	6	57	27	15	38	39	41	34	63	2.92	0.0	9	8,508	s.	41	w.	30	1	23	6	6.0	0.1	0.0
Dayton	899	137	173	28.99	29.96	----	48.2	−3.4	75	6	58	26	10	39	35	41	34	62	3.62	+0.4	12	8,180	sw.	42	s.	6	3	18	9	6.8	0.1	0.0
Elkins	1,947	59	67	27.91	29.99	−.04	45.8	−3.0	78	5	56	18	16	36	37	39	32	65	6.74	+3.4	12	5,366	w.	29	w.	19	4	12	14	7.0	17.0	T.
Parkersburg	637	77	82	29.33	29.99	−.04	50.1	−3.3	82	6	60	27	16	40	35	42	34	60	3.15	+0.2	11	5,093	sw.	29	sw.	14	7	9	14	6.9	T.	0.0
Pittsburgh	842	353	410	29.05	29.96	−.06	46.6	−4.6	80	6	55	25	16	38	36	40	33	63	4.05	+1.1	14	8,624	w.	45	w.	19	1	10	19	7.7	4.3	0.0
Lower Lake Region							**43.0**	**−2.4**										**69**	**2.43**	**+0.1**										**6.2**		
Buffalo	767	247	280	29.08	29.92	−.09	39.6	−3.2	78	6	47	20	16	32	37	36	33	81	2.10	−0.5	16	12,421	sw.	70	sw.	14	6	12	12	6.3	3.3	0.0
Canton	448	10	61	29.40	29.89	----	39.4	−3.1	78	6	48	19	2	30	36	----	----	----	2.80	+0.5	14	8,157	w.	41	sw.	15	10	8	12	6.2	3.9	0.0
Ithaca	836	5	100	29.04	29.96	----	42.2	----	81	5	52	20	10	33	36	36	31	68	3.64	+1.1	15	7,968	nw.	46	se.	14	6	9	15	6.6	4.1	0.0
Oswego	335	76	91	----	29.92	−.09	41.1	−2.5	78	7	49	25	9	34	29	----	----	73	2.95	+0.6	15	----	nw.	30	w.	19	9	7	14	----	1.1	0.0
Rochester	523	86	102	29.36	29.94	−.07	43.2	−1.7	83	6	52	23	16	34	33	37	31	66	2.60	+0.2	14	6,901	w.	44	sw.	19	7	9	14	6.4	3.0	0.0
Syracuse	597	97	113	29.28	29.93	−.08	42.4	−2.0	80	6	50	24	16	35	30	----	----	----	3.26	+1.0	16	9,313	nw.	44	nw.	19	4	11	15	6.6	9.7	0.0
Erie	714	130	166	29.16	29.94	−.08	43.7	−1.4	79	6	52	25	15	36	31	38	33	66	2.57	−0.2	13	10,680	sw.	47	sw.	14	9	11	10	5.4	2.3	0.0
Cleveland	762	190	201	29.11	29.95	−.07	44.2	−2.0	77	6	52	26	15	37	35	39	33	66	2.15	−0.3	14	9,654	w.	46	w.	30	6	15	9	6.1	1.0	0.0
Sandusky	629	5	67	29.26	29.95	−.07	45.6	−1.6	78	6	54	25	10	37	36	----	----	----	2.34	−0.2	14	7,518	sw.	38	sw.	14	1	15	14	7.0	0.4	0.0
Toledo	628	208	243	29.25	29.94	−.07	44.7	−2.9	75	6	53	25	15	36	34	39	33	66	2.39	−0.3	12	10,578	w.	56	sw.	14	10	12	8	5.5	0.6	0.0
Fort Wayne	856	113	124	29.00	29.93	----	45.6	−3.7	74	3	55	25	9	36	33	39	33	67	2.00	----	11	7,587	w.	32	sw.	14	6	14	10	6.2	0.5	0.0
Detroit	730	218	258	29.13	29.93	−.09	43.7	−2.5	73	3	52	24	9	35	29	38	33	72	1.96	−0.5	10	8,058	sw.	48	sw.	14	6	11	13	6.3	0.4	0.0
Upper Lake Region							**38.1**	**−3.5**										**73**	**2.81**	**+0.4**										**5.8**		
Alpena	609	13	92	29.22	29.90	−.12	36.2	−2.4	69	4	44	16	15	28	33	33	28	75	3.69	+1.4	13	8,032	nw.	35	ne.	14	11	11	8	5.3	4.8	0.0
Escanaba	612	54	60	29.23	29.91	−.11	33.3	−4.6	60	28	40	11	9	27	29	30	26	76	2.36	+0.1	14	7,768	s.	44	n.	14	11	8	11	5.3	13.3	0.0
Grand Haven	632	54	89	29.21	29.90	−.11	40.2	−3.5	67	3	48	22	8	33	31	36	32	74	2.75	+0.1	13	8,568	w.	49	w.	19	8	13	9	5.7	1.7	0.0
Grand Rapids	707	70	87	29.14	29.92	−.10	43.2	−3.8	73	4	52	22	15	35	30	37	31	66	2.66	−0.1	15	4,871	nw.	26	nw.	19	5	11	14	6.4	0.8	0.0
Houghton	668	64	99	29.17	29.91	−.11	33.8	−3.9	72	4	42	12	8	26	38	----	----	----	3.88	+1.8	13	7,207	w.	35	n.	8	6	11	13	6.5	25.7	0.0
Lansing	878	6	49	28.96	29.91	----	42.0	−3.6	74	4	52	20	10	32	36	38	33	75	1.81	−0.8	13	5,080	w.	25	nw.	14	8	14	8	5.4	0.7	0.0
Ludington	637	60	66	29.19	29.90	----	38.3	----	64	29	45	20	8	31	27	35	31	77	2.97	----	13	7,435	n.	31	s.	3	12	9	9	5.4	6.4	0.0
Marquette	734	77	111	29.10	29.91	−.11	34.8	−3.0	67	4	42	15	9	28	31	31	26	72	4.68	+2.2	15	7,814	nw.	35	s.	2	7	7	16	6.7	37.1	0.0
Port Huron	638	70	120	29.21	29.92	−.10	42.0	−1.0	74	3	50	23	10	34	32	37	32	72	1.52	−0.7	11	8,783	sw.	43	w.	19	9	13	8	5.6	0.5	0.0
Sault Ste. Marie	614	11	52	29.20	29.91	−.12	32.5	−4.9	69	29	40	10	20	24	37	29	26	80	3.80	+1.7	16	6,250	nw.	35	nw.	13	9	12	9	5.4	13.8	0.0
Chicago	673	7	131	29.18	29.92	−.08	44.7	−2.2	75	3	52	23	9	37	30	38	33	67	2.34	−0.4	9	8,415	ne.	32	w.	30	8	11	11	5.7	1.0	0.0
Green Bay	617	109	141	29.22	29.90	−.11	37.6	−5.6	67	4	46	12	9	29	31	34	29	72	2.29	−0.2	16	8,420	s.	40	n.	14	7	9	14	6.4	11.0	0.0
Milwaukee	681	125	221	29.16	29.91	−.08	41.1	−2.7	68	4	49	20	15	34	27	36	31	72	1.79	−0.9	10	9,505	nw.	39	sw.	4	10	9	11	5.6	6.0	0.0
Duluth	1,133	5	47	28.68	29.92	−.09	33.3	−3.7	67	28	42	10	8	25	32	29	23	71	2.90	+0.8	13	8,665	nw.	40	nw.	12	8	8	16	6.0	11.3	0.0
North Dakota							**36.0**	**−4.8**										**63**	**1.03**	**−0.7**										**5.3**		
Moorhead	940	50	58	28.90	29.94	−.05	36.6	−4.0	77	2	48	9	8	26	37	31	23	64	1.37	−0.8	7	6,965	n.	31	nw.	2	6	12	12	6.0	6.9	0.0
Bismarck	1,674	8	57	28.14	29.96	−.01	37.0	−5.1	77	28	49	4	19	25	39	31	23	61	1.15	−0.4	5	6,725	n.	40	nw.	29	9	14	7	4.9	4.5	0.0
Devils Lake	1,478	11	44	28.35	29.96	−.03	33.8	−4.4	76	28	45	3	19	22	40	29	22	67	1.08	−1.0	6	7,213	n.	34	n.	2	14	7	9	4.7	8.9	0.0
Ellendale	1,457	10	56	28.36	29.94	----	37.0	----	75	28	50	7	8	24	46	----	----	----	1.08	----	9	10,287	nw.	49	nw.	29	7	10	13	6.2	2.7	0.0
Grand Forks	833	12	67	----	----	----	36.1	----	76	28	47	7	19	25	39	31	----	----	0.59	----	2	----	nw.	----	nw.	----	12	12	6	----	5.0	0.0
Williston	1,878	41	48	27.94	29.96	.00	36.4	−5.6	76	27	47	6	19	26	37	30	21	59	0.53	−0.7	9	5,859	n.	32	nw.	29	10	12	8	5.1	5.0	0.0
Upper Mississippi Valley							**45.8**	**−4.4**										**66**	**2.86**	**−0.1**										**5.8**		
Minneapolis	918	102	208	28.90	29.90	----	39.6	−6.8	74	4	48	18	14	31	31	----	----	----	2.33	+0.1	8	9,175	nw.	42	n.	6	7	7	16	6.8	16.9	0.0
St. Paul	837	236	261	29.00	29.92	−.07	39.0	−6.6	73	4	48	16	15	30	31	----	----	----	2.45	+0.1	8	9,714	nw.	41	sw.	30	7	6	17	6.8	20.3	0.0
La Crosse	714	11	48	29.13	29.91	−.07	42.4	−4.8	73	2	52	17	9	33	37	37	31	70	2.41	0.0	10	4,434	nw.	22	nw.	30	8	10	12	6.0	9.7	0.0
Madison	974	70	78	28.85	29.92	−.07	41.4	−4.0	69	2	50	18	9	33	30	36	31	70	2.57	−0.2	11	6,953	nw.	30	nw.	30	7	13	10	6.0	7.4	0.0
Wausau	1,247	4	----	28.55	29.91	----	37.1	----	68	4	47	5	15	28	37	----	----	----	3.11	----	14	----	nw.	----	----	----	10	5	15	6.0	19.2	0.0
Charles City	1,015	10	49	28.83	29.93	−.05	41.1	−5.3	74	2	51	15	15	31	37	36	30	68	2.81	0.0	10	6,116	nw.	26	s.	4	11	10	9	5.1	6.0	0.0
Davenport	606	71	79	29.26	29.92	−.06	46.8	−3.1	78	2	56	22	15	38	30	40	34	66	3.86	+1.2	10	6,117	nw.	28	w.	30	9	9	12	5.9	1.5	0.0
Des Moines	861	84	97	29.00	29.92	−.05	45.4	−5.7	80	2	56	19	9	35	35	39	31	62	1.95	−1.0	9	6,154	n.	28	sw.	2	7	7	16	6.4	3.1	0.0
Dubuque	700	81	96	29.16	29.92	−.06	44.2	−4.4	75	2	53	21	9	35	30	38	32	66	1.71	−1.1	12	5,645	nw.	26	nw.	30	8	12	10	5.9	3.5	0.0
Keokuk	614	64	78	29.26	29.94	−.04	48.7	−3.6	82	2	58	23	9	39	34	41	34	61	2.79	−0.2	11	6,276	n.	34	w.	14	10	5	15	5.8	2.3	0.0
Cairo	358	87	93	29.58	29.97	−.02	54.0	−4.1	77	2	63	32	15	45	30	46	40	64	5.76	+2.0	13	7,867	s.	33	sw.	29	8	7	15	6.3	0.0	0.0
Peoria	609	11	45	29.28	29.95	−.04	47.6	−3.3	80	3	58	23	9	37	36	41	35	67	2.84	−0.5	9	6,088	w.	27	w.	14	12	10	8	4.6	0.1	0.0
Springfield, Ill	636	10	91	29.25	29.93	−.05	49.3	−3.4	79	3	59	25	15	40	35	43	37	66	2.88	−0.6	8	6,890	s.	29	w.	14	9	9	12	5.3	T.	0.0
Hannibal	534	74	109	29.36	29.93	−.05	50.0	−3.4	82	2	60	25	9	40	38	----	----	----	2.61	−0.6	9	7,087	w.	34	s.	4	12	7	11	5.3	0.4	0.0
St. Louis	568	265	303	29.33	29.94	−.04	52.4	−3.4	81	29	61	27	15	44	32	46	41	70	3.02	−0.8	8	9,372	sw.	47	sw.	6	11	8	11	5.5	T.	0.0
Missouri Valley							**47.3**	**−3.8**										**57**	**2.06**	**−0.8**										**5.0**		
Columbia, Mo	784	6	84	29.09	29.93	−.05	51.2	−3.7	82	1	61	23	9	41	36	----	----	----	2.89	−0.8	7	6,704	nw.	31	nw.	14	11	9	10	5.3	T.	0.0
Kansas City	963	161	181	28.88	29.92	−.04	51.4	−3.4	84	1	61	25	15	42	33	43	35	58	2.32	−0.8	6	8,325	s.	42	nw.	13	13	9	8	4.8	T.	0.0
St. Joseph	967	11	49	28.87	29.92	----	50.6	----	85	2	61	23	9	40	39	41	31	55	2.06	----	7	7,424	nw.	38	nw.	13	16	7	7	4.4	T.	0.0
Springfield, Mo	1,324	98	104	28.52	29.93	−.04	51.8	−4.2	80	1	61	25	15	43	31	44	36	61	6.62	+2.8	9	7,886	s.	36	s.	13	19	2	9	4.0	T.	0.0
Iola	984	11	50	28.86	29.91	−.04	52.6	−3.6	82	29	64	25	9	42	35	----	----	----	4.24	+0.2	9	5,758	s.	25	nw.	13	15	6	9	4.9	T.	0.0
Topeka	987	92	107	----	----	----	51.6	−3.1	88	2	62	25	15	41	37	----	----	----	2.69	0.0	6	8,469	sw.	46	n.	13	15	9	6	4.4	T.	0.0
Lincoln	1,189	11	81	28.64	29.92	−.02	48.2	−3.3	88	3	60	20	9	36	46	39	28	53	1.18	−1.6	5	8,297	s.	36	nw.	29	8	14	8	5.6	7.0	0.0
Omaha	1,105	115	122	28.74	29.93	−.02	47.4	−3.8	88	3	58	19	9	37	38	38	28	54	1.51	−1.0	5	6,785	nw.	42	n.	13	10	8	12	5.4	8.9	0.0
Valentine	2,598	47	54	27.20	29.94	.00	42.8	−2.9	82	28	56	12	8	29	44	34	25	56	0.55	−1.8	7	7,275	nw.	34	nw.	29	7	17	6	4.8	5.1	0.0
Sioux City	1,135	94	164	28.72	29.95	.00	44.2	−3.6	83	2	56	15	8	32	40	37	28	60	0.22	−2.6	5	9,710	nw.	48	nw.	18	9	8	13	5.6	1.5	0.0
Huron	1,306	59	74	28.53	29.95	−.01	40.0	−5.1	80	2	53	6	14	27	42	33	24	60	1.27	−1.0	7	7,464	nw.	36	w.	29	6	18	6	5.1	4.7	0.0
Pierre	1,572	70	75	----	29.95	.00	43.3	−3.5	81	1	55	12	8	31	46	----	----	58	0.99	−1.0	6	7,604	nw.	36	nw.	29	9	14	7	----	2.6	0.0
Yankton	1,233	49	57	28.60	29.94	−.01	43.0	−4.9	82	2	56	13	14	30	39	----	----	----	0.22	−2.6	5	6,469	nw.	29	nw.	29	9	9	12	5.8	0.7	0.0

TABLE 1.—*Climatological data for Weather Bureau stations, January, 1928*—Continued

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station, reduced to mean of 24 hours	Pressure: Sea level, reduced to mean of 24 hours	Pressure: Departure from normal	Temperature of the air: Mean max. + mean min. ÷ 2	Temperature of the air: Departure from normal	Temperature of the air: Maximum	Temperature of the air: Date	Temperature of the air: Mean maximum	Temperature of the air: Minimum	Temperature of the air: Date	Temperature of the air: Mean minimum	Temperature of the air: Greatest daily range	Mean wet thermometer	Mean temperature of the dew-point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with .01, or more	Wind (3-cup anemometer used): Total movement	Wind: Prevailing direction	Wind: Maximum velocity: Miles per hour	Wind: Maximum velocity: Direction	Wind: Maximum velocity: Date	Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month
	Ft.	Ft.	Ft.	In.	In.	In.	°F.	°F.	°F		°F.	°F.		°F.	°F.	°F.	°F.	%	In.	In.		Miles								0-10	In.	In.
Northern Slope							40.5	−2.7										59	0.85	−0.8										6.0		
Billings	3,140	5					44.3		86	27	59	11	8	29	53				0.48		10		sw.				10	7	13			
Havre	2,505	11	44	27.25	29.91	−.02	41.0	−2.7	84	27	53	9	8	29	40	34	26	62	0.64	−0.4	10	5,419	sw.	31	sw.	27	5	14	11	6.4	2.7	0.0
Helena	4,110	87	112	25.69	29.92	−.05	41.6	−1.9	77	26	52	11	8	31	37	34	26	58	0.55	−0.6	8	5,595	sw.	30	w.	27	3	7	20	7.5	6.0	0.0
Kalispell	2,973	48	56	26.84	29.92	−.04	40.5	−3.1	68	24	49	20	7	32	31	35	28	65	1.80	+0.7	13	4,159	nw.	29	w.	9	4	17	9	6.4	4.7	0.0
Miles City	2,371	48	55	27.39	29.97	+.01	43.0	−1.7	81	27	54	10	8	32	39	35	26	59	0.43	−0.8	9	3,057	s.	31	w.	29	8	14	8	5.3	0.9	0.0
Rapid City	3,259	50	58	26.50	29.96	+.01	40.6	−3.7	76	28	52	9	8	29	46	34	24	53	0.92	−1.4	8	5,918	n.	32	n.	28	9	15	6	5.1	9.1	0.0
Cheyenne	6,088	84	101	23.88	29.90	−.01	38.4	−2.5	70	30	50	5	8	26	36	30	20	53	0.83	−1.2	7	9,622	w.	42	w.	29	4	17	9	6.0	6.4	0.0
Lander	5,372	60	68	24.53	29.92	−.02	39.8	−2.6	72	27	52	9	8	27	41	33	27	65	0.89	−1.6	5	5,139	w.	36	sw.	19	7	21	2	5.1	9.5	0.0
Sheridan	3,790	10	47	25.99	29.92		42.2		80	27	55	13	8	29	45	34	26	62	1.70		11	4,358	nw.	34	nw.	28	9	17	4	5.5	10.2	0.0
Yellowstone Park	6,241	11	48	23.76	29.95	−.01	33.3	−3.7	66	27	44	−2	8	23	37	28	21	63	1.51	+0.1	15	5,554	sw.	30	sw.	2	2	12	16	7.2	19.2	0.0
North Platte	2,821	11	51	26.97	29.91	−.01	46.6	−2.0	85	28	61	14	8	32	48	36	25	51	0.04	−2.0	2	5,903	n.	31	n.	13	8	11	11	5.6	T.	0.0
Middle Slope							50.6	−2.8										53	2.40	+0.2										5.2		
Denver	5,292	106	113	24.61	29.88	−.02	45.8	−1.3	76	28	58	12	8	33	36	35	20	45	1.36	−0.7	5	5,518	s.	31	e.	18	10	13	7	4.9	13.4	0.0
Pueblo	4,685	80	86	25.17	29.85	−.03	47.7	−2.4	80	30	62	15	9	33	50	36	22	45	0.29	−1.1	2	5,310	e.	28	nw.	6	10	15	5	4.9	T.	0.0
Concordia	1,392	50	58	28.45	29.94	+.01	50.8	−2.7	89	3	62	22	14	39	36	41	30	55	1.25	−1.1	5	7,121	s.	29	s.	3	7	17	6	5.3	4.5	0.0
Dodge City	2,509	11	51	27.31	29.91	+.01	50.2	−3.4	87	3	63	20	14	37	48	40	29	54	2.54	+0.6	7	7,610	ne.	37	ne.	5	19	6	5	3.6	2.5	0.0
Wichita	1,358	139	158	28.46	29.89	−.04	52.8	−3.6	85	2	63	25	14	43	38	44	35	58	5.26	+2.6	9	9,868	s.	39	se.	4	12	11	7	4.9	T.	0.0
Broken Arrow	765	11	56	29.09	29.92		55.5		84	18	66	27	15	45	36				6.55		8	10,303	s.	45	nw.	13	5	8	17	6.6	T.	0.0
Oklahoma City	1,214	10	47	28.61	29.89	−.03	56.2	−3.6	85	3	66	30	15	46	37	47	39	59	3.68	+0.9	7	7,904	s.	30	n.	13	8	9	13	6.3	T.	0.0
Southern Slope							60.8	−2.0										46	0.73	−1.1										4.4		
Abilene	1,738	10	52	28.07	29.86	−.04	63.2	−1.2	99	29	77	30	15	50	39	50	38	49	0.93	−1.8	4	8,993	s.	34	w.	5	9	12	9	5.5	T.	0.0
Amarillo	3,676	10	49	26.15	29.86	−.01	54.4	−1.4	90	17	69	25	9	40	46	41	28	48	0.77	−1.0	6	6,810	sw.	25	sw.	16	13	10	7	4.1	2.7	0.0
Del Rio	944	64	71	28.88	29.85	−.04	68.6	−2.0	96	30	81	37	15	56	44	55	43	50	0.51	−1.4	2	7,282	se.	34	w.	5	20	6	4	3.1	0.0	0.0
Roswell	3,566	75	85	26.25	29.83	−.02	57.2	−3.4	93	30	73	26	10	42	46	42	22	36	0.72	−0.2	4	6,662	s.	38	w.	4	11	12	7	4.8	2.9	0.0
Southern Plateau							57.6	+0.2										35	0.46	0.0										2.9		
El Paso	3,778	152	175	26.09	29.83	.00	62.0	−1.4	95	30	75	29	10	49	42	43	20	26	0.22	0.0	2	9,138	w.	48	w.	4	21	8	1	2.3	0.3	0.0
Santa Fe	7,013	38	53	23.14	29.82	−.02	45.0	−1.7	78	30	57	17	9	33	35	33	19	44	1.63	+0.6	7	4,121	sw.	24	nw.	6	9	13	8	5.5	12.2	0.0
Flagstaff	6,907	10	59	23.27	29.83	−.01	42.6	+0.4	76	30	58	13	5	27	41	32		50	0.35		3		nw.		sw.		14	15	1		T.	0.0
Phoenix	1,108	10	82	28.68	29.82	−.05	67.8	+0.8	98	27	83	38	5	52	41	48	26	25	T.	−0.4	0	3,107	w.	27	n.	8	16	10	4	3.4	0.0	0.0
Yuma	141	9	54	29.71	29.86	−.03	70.4	+0.9	98	28	87	45	9	54	44	52	31	31	0.00	−0.1	0	4,061	w.	31	n.	8	25	5	0	1.6	0.0	0.0
Independence	3,957	5	25	25.88	29.89	−.01	57.5	+2.4	88	29	73	30	9	42	43	42			0.06		1		nw.				17	11	2	1.8	0.0	0.0
Middle Plateau							47.0	−1.4										41	0.59	−0.4										4.3		
Reno	4,532	74	81	25.44	29.97	.00	47.1	−0.2	78	29	60	20	4	34	40	38	28	52	0.66	+0.2	5	5,766	w.	39	sw.	16	12	12	6	4.3	6.6	0.0
Tonopah	6,090	12	20				47.0		81	30	58	20	4	36	30	34	13	24	T.		0		nw.									
Winnemucca	4,344	18	56	25.59	30.00	+.04	44.9	−1.8	78	30	59	17	21	30	43	37	28	57	0.54	−0.3	4	5,368	sw.	33	sw.	2	14	16	0	3.9	0.3	0.0
Modena	5,473	10	43	24.53	29.86	−.02	45.1	−0.9	79	30	61	13	9	29	49	34	16	37	T.	−0.8	0	8,453	w.	41	sw.	2	17	10	3	3.2	T.	0.0
Salt Lake City	4,360	163	203	25.55	29.92	.00	47.9	−1.7	82	30	58	25	8	38	34	37	24	43	1.55	−0.5	6	5,383	nw.	30	se.	24	9	14	7	5.3	6.5	0.0
Grand Junction	4,602	60	68	25.26	29.83	−.05	50.1	−2.3	83	30	63	19	8	37	37	36	18	34	0.19	−0.6	4	4,912	nw.	32	sw.	3	9	15	6	4.6	0.3	0.0
Northern Plateau							47.0	−2.4										56	0.96	−0.4										6.6		
Baker	3,471	48	53	26.40	30.01	+.01	41.9	−3.3	71	26	53	21	7	31	34	35	27	60	0.86	−0.1	14	4,328	se.	30	sw.	17	5	7	18	7.2	2.5	0.0
Boise	2,739	78	86	27.14	30.01	+.03	47.9	−2.5	80	26	58	26	7	38	32	40	30	55	0.79	−0.4	13	4,015	se.	24	w.	16	7	10	13	6.1	T.	0.0
Lewiston	757	40	48	29.18	29.99	+.03	50.8	−2.1	84	26	61	28	7	40	40				0.98	−0.2	14	3,142	e.	28	nw.	28	3	14	13	7.0	0.0	0.0
Pocatello	4,477	60	68	25.39	29.92	−.02	44.1	−1.9	76	27	55	17	8	34	33	35	23	47	0.74	−1.3	8	6,558	sw.	28	sw.	17	5	17	8	6.0	2.0	0.0
Spokane	1,929	101	110	27.91	29.97	−.02	46.2	−2.2	78	26	56	29	8	37	37	39	30	60	0.93	−0.2	11	4,887	s.	28	sw.	28	3	11	16	6.9	T.	0.0
Walla Walla	991	57	65	28.91	29.99	−.02	51.0	−2.1	75	26	60	31	7	42	30	43	34	56	1.35	−0.2	14	3,964	s.	25	w.	16	5	12	13	6.4	T.	0.0
North Pacific Coast Region							49.1	0.0										72	4.00	+0.8										7.3		
North Head	211	11	56	29.74	29.97	−.08	48.1	+0.6	71	8	53	37	1	43	23	44	41	80	5.88	+2.9	25	11,150	s.	54	s.	16	2	4	24	8.7	0.0	0.0
Port Angeles	29	8	53		29.99		46.6		66	26	54	31	1	39	27				1.14	−1.8	17	4,247	sw.	29	w.	26	5	8	17		0.0	0.0
Seattle	125	215	250	29.86	29.99	−.04	48.8	−0.6	71	8	55	36	2	42	25	44	39	74	2.60	+0.2	18	6,372	s.	44	sw.	16	2	7	21	7.8	0.0	0.0
Tacoma	194	172	201	29.79	30.00	−.03	48.6	−0.1	71	26	56	34	2	42	29				3.28	+0.4	19	6,049	s.	44	s.	16	3	13	14	6.8	0.0	0.0
Tatoosh Island	86	9	53	29.86	29.96	−.04	47.0	+0.9	61	22	51	37	1	43	14	45	42	86	7.07	+0.8	24	10,540	e.	50	sw.	16	4	5	21	7.7	T.	0.0
Yakima	1,071	5					48.7		76	26	62	22	8	35	41	41		61	1.21		9		nw.				6	17	7	5.4	0.0	0.0
Medford	1,425	4	80	28.52	30.03		50.0		77	22	62	30	4	38	41	43	37	67	0.99		14		nw.	25	s.	2	3	10	17	7.0	T.	0.0
Portland, Oreg.	153	68	106	29.87	30.03	−.03	51.4	−0.4	74	22	59	37	6	44	31	45	39	69	4.47	+1.6	23	4,649	sw.	23	e.	7	3	4	23	7.8	T.	0.0
Roseburg	510	75	99	29.50	30.06	−.01	50.7	−0.3	80	8	60	33	6	41	43	45	40	71	3.57	+1.3	23	3,153	nw.	27	sw.	16	3	9	18	7.4	0.0	0.0
Middle Pacific Coast Region							56.3	+0.5										72	2.03	+0.2										4.1		
Eureka	62	73	89	30.04	30.11	.00	50.8	+0.9	72	7	58	36	4	44	28	48	46	85	5.86	+2.5	17	4,813	se.	31	sw.	2	6	9	15	6.4	0.0	0.0
Red Bluff	332	50	56	29.66	30.01	−.02	58.6	−0.4	88	29	70	35	4	47	34	51	44	62	1.24	−0.5	6	3,989	nw.	25	se.	2	16	13	1	3.2	0.0	0.0
Sacramento	69	106	117	29.95	30.02	+.01	57.8	−0.3	85	29	69	38	4	47	31	51	45	68	0.78	−0.7	5	5,425	se.	28	s.	2	18	7	5	3.4	0.0	0.0
San Francisco	155	208	243	29.89	30.06	+.01	57.8	+2.8	80	7	65	45	3	51	25	51	46	71	1.31	−0.3	6	6,011	w.	32	w.	19	14	12	4	3.7	0.0	0.0
San Jose	141	12	110	29.92	30.07		56.3	−0.4	83	29	69	36	4	44	37				0.96	−0.1	4	4,340	nw.	23	nw.	3	17	7	6	3.7	0.0	0.0
South Pacific Coast Region							61.1	+1.7										64	0.24	−0.7										3.1		
Fresno	327	89	98	29.66	30.02	+.03	61.4	+1.2	90	29	74	39	4	48	37	51	42	57	0.29	−0.7	2	5.653	nw.	27	nw.	23	20	8	2	2.6	0.0	0.0
Los Angeles	338	159	191	29.61	29.98	−.01	62.2	+2.8	83	29	72	48	1	52	29	52	44	59	0.29	−0.8	1	3,942	sw.	21	nw.	4	14	14	2	3.4	0.0	0.0
San Diego	87	62	70	29.88	29.97	−.02	59.6	+1.1	74	9	67	47	5	52	21	54	50	76	0.14	−0.6	2	4,089	w.	18	w.	3	18	10	2	3.4	0.0	0.0
West Indies																																
San Juan, P. R.	82	9	54	29.92	30.01		75.8	−0.8	87	28	81	67	17	71	19				0.83	−3.0	12	9,597	e.	30	e.	22	13	16	1	4.2	0.0	0.0
Panama Canal																																
Balboa Heights	118	7	97	[1] 29.73	[1] 29.81	−.02	81.9	+0.3	92	9	89	72	2	74	20				3.38	+0.6	11		nw.		n.		4	20	6	5.7	0.0	0.0
Colon	38	7	97	[1] 29.83	[1] 29.84	−.02	83.4	+2.3	91	25	89	74	7	78	15				0.86	−3.4	11		n.		n.		1	20	9	6.4	0.0	0.0
Alaska																																
Juneau	80	11	54	[2] 29.75	[2] 29.84		39.0		54	25	44	24	3	34	20	35	27	65	4.66		16	5,192	se.	32	se.	26	5	4	21	7.4	2.7	0.0
Hawaiian Islands																																
Honolulu	38	86	100	[2] 30.00	[2] 30.04		74.2		80	24	79	67	6	70	12	68	64	72	3.40	+1.3	15	5,176	e.	26	e.	30	3	17	10	6.1	0.0	0.0

[1] Observations taken bihourly.

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

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

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				32.8		38.7	27.0	45	16	3.95		3.0
Sydney, C. B. I	48	29.87	29.92	+.03	38.4	+3.4	47.8	29.1	68	15	3.68	−0.17	3.0
Halifax, N. S	88	29.83	29.94	−.02	40.8	+3.0	49.5	32.2	68	24	4.42	+0.24	1.8
Yarmouth, N. S	65	29.79	29.86	−.10	39.9	+1.0	45.4	34.5	60	20	6.02	+2.20	5.1
Charlottetown, P. E. I	38	29.78	29.82	−.08	38.7	+3.5	46.2	31.1	61	19	1.90	−0.75	1.7
Chatham, N. B	28	29.75	29.78	−.12	36.8	+1.3	46.6	27.1	59	5	3.21	+0.58	6.8
Father Point, Que	20	29.80	29.82	−.11	33.7	+0.5	40.5	27.0	53	16	2.46	+0.88	17.4
Quebec, Que	296	29.55	29.88	−.11	33.5	−1.6	39.5	27.6	55	14	2.33	+0.24	12.6
Doucet, Que	1,236												
Montreal, Que	187												
Ottawa, Ont	236	29.62	29.89	−.13	36.7	−3.3	45.2	28.1	75	14	2.59	+1.09	6.4
Kingston, Ont	285	29.60	29.92	−.10	39.0	−1.0	46.3	31.7	73	19	3.45	+1.66	T.
Toronto, Ont	379	29.49	29.91	−.11	41.7	+0.9	49.9	33.4	72	23	2.58	+0.21	6.8
Cochrane, Ont	930												
White River, Ont	1,244	28.53	29.87	−.17	27.3	−5.7	39.8	14.8	68	−6	1.65	+0.40	8.4
London, Ont	808				41.8		51.5	32.2	73	19	2.68		4.0
Southampton, Ont	656	29.17	29.90	−.13	36.8	−1.9	45.0	28.7	72	15	3.00	+1.20	4.8
Parry Sound, Ont	688	29.17	29.87	−.15	36.4	−1.2	45.9	26.9	68	10	3.69	+1.78	2.8
Port Arthur, Ont	644	29.19	29.92	−.11	31.8	−1.7	40.7	23.0	61	4	1.69	−0.03	11.2
Winnipeg, Man	760												
Minnedosa, Man	1,690												
Le Pas, Man	860				26.8		39.5	14.1	73	−3	0.30		3.0
Qu'Appelle, Sask	2,115	27.67	29.97	−.02	30.8	−6.6	39.8	21.9	70	2	1.73	+0.68	13.0
Moose Jaw, Sask	1,759				33.4		43.3	23.5	80	2	0.78		7.2
Swift Current, Sask	2,392	27.34	29.89	−.07	37.3	−4.0	49.6	25.1	82	4	0.62	−0.31	4.2
Medicine Hat, Alb	2,144												
Calgary, Alb	3,428												
Banff, Alb	4,521												
Prince Albert, Sask	1,450	28.40	30.01	+.03	31.2	−4.9	42.6	19.8	78	−2	0.45	−0.38	4.5
Battleford, Sask	1,592	28.20	29.98	+.01	32.3	−4.9	42.4	22.2	77	3	0.66	+0.19	3.7
Edmonton, Alb	2,150												
Kamloops, B. C	1,262												
Victoria, B. C	230	29.72	29.97	−.04	48.5	+1.7	54.8	42.3	64	35	1.36	−1.01	
Barkerville, B. C	4,180												
Estevan Point, B. C	20												
Prince Rupert, B. C	170												
Hamilton, Ber	151	30.00	30.16	+.11	65.2	+1.3	71.8	58.6	77	51	10.82	+6.64	0.0

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Father Point, Que	20	29.70	29.72	−.18	23.4	+3.1	29.4	17.4	43	4	1.52	−1.21	10.0
Doucet, Que	1,236				12.5		27.0	−2.0	40	−42	1.22		8.8
Kingston, Ont	285	29.54	29.86	−.15	28.1	+2.5	34.6	21.7	58	2	1.79	−0.85	5.5
White River, Ont	1,244	28.51	29.87	−.16	12.2	0.0	27.0	−2.5	50	−40	1.12	−0.26	10.2
Parry Sound, Ont	688	29.15	29.88	−.14	22.4	+1.3	30.4	14.5	47	−10	2.37	+0.14	17.4
Winnipeg, Man	760	29.18	30.05	−.04	21.4	+9.1	30.5	12.4	62	−14	1.54	+0.51	15.4
Calgary, Alb	3,428	26.30	29.95	.00	31.2	+5.0	43.1	19.4	68	2	1.27	+0.55	12.7
Kamloops, B. C	1,262	28.62	29.93	+.01	40.9	+4.8	50.0	31.8	64	14	0.26	−0.31	T.
Barkerville, B. C	4,180	25.46	29.81	−.07	29.7	+3.6	38.2	21.2	51	4	3.61	+1.72	34.7
Estevan Point, B. C	20				44.0		49.8	38.2	57	29	10.06		0.0
Prince Rupert, B. C	170				41.5		48.6	34.4	63	26	8.94		1.4

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