CLIMATOLOGICAL TABLES

(For description of tables and charts, see REVIEW, January, 1930, p. 37)

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, June, 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	77.4	−0.9	2 stations	108	[1] 24	St. Bernard	41	1	1.95	−2.31	Alaga	5.36	Bridgeport	0.06
Arizona	76.5	+0.5	Gila Bend	116	28	Heber Ranger Station.	20	1	0.46	+0.07	Rosemont	3.78	12 stations	0.00
Arkansas	76.4	−0.7	Magnolia	107	26	2 stations	39	[1] 1	0.87	−3.15	Gravette	6.20	Mammoth Springs	0.00
California	68.0	+0.5	Greenland Ranch	121	13	Ellery Lake	19	2	0.03	−0.28	Mount Shasta	0.80	175 stations	0.00
Colorado	62.1	+0.8	Cheyenne Wells	105	28	Pearl	17	[1] 14	0.74	−0.77	Holyoke	3.03	4 stations	0.00
Florida	77.9	−1.9	2 stations	107	24	Hilliard	50	1	10.72	+3.99	Miami	25.34	Panama City	0.57
Georgia	76.2	−1.8	do	106	24	Clayton	38	1	3.84	−0.57	Waycross	8.97	Tallapoosa	0.90
Idaho	59.5	−1.1	do	101	16	Obsidian	20	14	0.90	−0.47	2 stations	2.99	Prairie	0.00
Illinois	71.7	−0.2	5 stations	104	[1] 22	2 stations	37	8	3.37	−0.50	Mount Carroll	8.13	Chester	1.04
Indiana	71.0	−0.6	3 stations	102	23	Marengo	35	1	2.60	−1.23	Noblesville	5.26	Moores Hill	0.58
Iowa	69.0	−0.3	2 stations	101	22	Denison	37	8	5.83	+1.33	Washington	13.49	Spencer	2.48
Kansas	72.7	−0.5	Jetmore	110	28	Atwood	40	6	3.92	−0.09	Coffeyville	10.64	Macksville	1.04
Kentucky	73.1	−0.7	Bowling Green	104	23	Dorton	38	1	1.77	−2.48	Uniontown	3.89	Ford	0.53
Louisiana	79.0	−1.1	Ville Platte	107	[1] 26	4 stations	47	[1] 1	0.62	−4.19	Jennings	1.72	3 stations	0.00
Maryland-Delaware	72.2	+1.3	Keedysville, Md	99	[1] 4	Oakland, Md	26	1	3.27	−0.66	Emmitsburg, Md	5.95	Millington, Md	1.36
Michigan	65.3	+1.4	Cassopolis	97	23	Sidnaw	29	10	3.33	+0.27	Alpena	6.95	Holland	1.34
Minnesota	65.3	+1.3	Redwood Falls	98	21	2 stations	32	7	3.90	−0.24	Albert Lea	8.87	Fergus Falls	1.29
Mississippi	78.1	−0.6	Waynesboro	109	26	do	45	[1] 1	0.55	−3.70	Biloxi	4.31	4 stations	0.00
Missouri	72.4	−0.8	Sikeston	109	22	Goodland	36	1	3.83	−1.04	Hannibal	10.35	Marble Hill	0.30
Montana	60.2	+0.5	Crow Agency	104	16	Grant	23	14	1.51	−1.09	Scobey	5.53	Three Forks	0.33
Nebraska	68.2	−0.8	Merriman	105	21	2 stations	32	[1] 6	3.22	−0.56	Osceola	6.39	Sheep Creek Camp No. 5.	0.37
Nevada	66.5	+1.5	Las Vegas	113	[1] 11	Lamoille	23	3	0.16	−0.34	Tuscarora	0.83	15 stations	0.00
New England	68.4	+4.6	3 stations	97	[1] 6	3 stations	29	[1] 1	3.39	+0.06	Springfield, Mass	9.48	Bar Harbor, Me	0.15
New Jersey	70.8	+2.6	Somerville	98	4	Belleplain	30	1	4.17	+0.47	Moorestown	6.48	Pleasantville	2.46
New Mexico	69.1	+0.8	3 stations	109	[1] 28	Selsor Ranch	19	1	1.04	−0.33	Nara Visa (near)	5.24	4 stations	0.00
New York	67.6	+2.9	Troy	99	5	2 stations	27	[1] 1	4.33	+0.63	McKeever	7.03	Little Falls (No. 2)	2.03
North Carolina	72.0	−1.1	2 stations	103	24	Banners Elk	27	1	4.75	−0.10	Manteo	10.00	Murphy	1.62
North Dakota	63.3	+0.5	Lisbon	96	21	Pembina	30	6	3.09	−0.41	Berthold Agency	6.71	Verona	0.13
Ohio	70.0	+0.9	4 stations	101	[1] 23	2 stations	32	1	2.34	−1.55	Sidney	5.64	Chillicothe	0.29
Oklahoma	77.0	−0.2	2 stations	111	25	Smithville	42	1	3.74	−0.29	Pawhuska	8.84	Antlers	0.12
Oregon	59.3	−1.1	do	102	15	Lake	17	18	0.76	−0.49	2 stations	3.21	Echo	0.00
Pennsylvania	69.1	+0.9	Holtwood	100	5	Somerset	22	1	4.20	+0.10	Center Hall	13.02	Pottstown	1.56
South Carolina	75.1	−2.4	4 stations	104	24	5 stations	42	1	4.40	−0.45	Pinopolis	7.67	Society Hill	2.27
South Dakota	66.1	0.0	2 stations	105	28	Hermosa	30	6	2.63	−0.79	Camp Crook	6.17	Ottumwa	0.26
Tennessee	74.4	−0.1	Carthage	105	23	3 stations	38	1	1.42	−2.90	Rogersville	3.35	Moscow	0.06
Texas	79.4	−0.7	3 stations	110	[1] 25	4 stations	48	[1] 1	2.14	−1.13	Haskell	8.98	4 stations	0.00
Utah	65.5	+0.7	St. George	106	[1] 12	Woodruff	24	14	0.45	−0.16	Alton	1.71	Jensen	0.00
Virginia	72.1	+0.5	2 stations	103	24	Burkes Garden	26	1	3.31	−0.98	Runnymede	6.93	Wytheville	0.91
Washington	58.9	−1.7	Kiona	99	6	Bumping Lake	26	13	1.52	−0.13	Big Four	8.97	2 stations	0.00
West Virginia	68.9	−0.2	Romney	104	5	2 stations	27	1	2.87	−1.60	Bruceton Mills	6.42	Dam 26, Ohio River	0.95
Wisconsin	66.4	+1.7	Milwaukee County Airport	100	23	Big St. Germain Dam.	28	17	5.28	+1.30	Neillsville	11.39	Milwaukee County Airport.	1.49
Wyoming	58.7	−0.6	Douglas	98	28	Gallatin	15	14	1.09	−0.46	Knowles	6.04	Diversion Dam	0.06
Alaska [May]	42.3	+0.2	Fairbanks (near)	81	[1] 29	Savoonga	4	8	1.69	−0.11	Chignik	35.71	McKinley Park	0.00
Hawaii	73.4	−0.2	2 stations	92	[1] 2	2 stations	52	[1] 8	8.19	+3.03	Puu Kukui (upper)	47.00	13 stations	0.00
Porto Rico	77.6	−0.8	Manati	98	1	Guineo Reservoir	47	12	4.86	−1.38	San Sebastian	14.70	Sabana Grande	0.60

[1] Other dates also.

TABLE 1.—*Climatological data for Weather Bureau stations, June, 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: Departure from normal	Temperature: Maximum	Temperature: Date	Temperature: Mean maximum	Temperature: Minimum	Temperature: Date	Temperature: Mean minimum	Temperature: Greatest daily range	Mean wet thermometer	Mean temperature of the dew-point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with .01, or more	Wind: 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							67.7	+4.2										78	2.62	−0.4										5.5		
Eastport	76	67	85	29.86	29.94	+0.01	57.6	+2.5	88	15	67	39	1	48	40	54	52	85	1.70	−1.3	10	4,976	s.	30	nw.	1	2	11	17	7.5	0.0	0.0
Greenville, Me.	1,070	6		28.78	29.93		65.4		88	6	76	36	2	55	36				4.48		17	3,703	se.				14	1	15		0.0	0.0
Portland, Me.	103	82	117	29.83	29.95	.00	66.4	+3.9	92	4	75	42	1	58	35	60	56	73	1.96	−1.3	12	5,379	s.	34	nw.	1	16	5	9	4.6	0.0	0.0
Concord	289	70	79	29.64	29.94	−.02	69.2	+6.3	93	5	81	34	1	57	44				1.89	−1.3	11	3,661	se.	27	w.	1	11	7	12	5.8	0.0	0.0
Burlington	403	11	48	29.47	29.90	−.06	68.8	+3.1	88	5	78	37	2	60	33				3.90	+0.5	11	6,444	s.	31	se.	10	4	15	11	6.8	0.0	0.0
Northfield	876	12	60		29.92	−.04	66.2	+4.9	89	6	78	31	2	54	42			74	4.99	+1.8	12	3,703	s.	21	s.	6	2	20	8	6.4	0.0	0.0
Boston	125	106	165	29.82	29.95	−.01	72.4	+5.9	95	5	82	45	1	63	35	64	60	70	2.24	−0.6	11	5,237	sw.	26	w.	1	11	11	8	5.3	0.0	0.0
Nantucket	12	14	90	29.97	29.98	.00	65.7	+4.7	84	26	72	44	1	59	20	61	60	86	0.49	−2.2	4	10,437	sw.	42	sw.	1	15	9	6	4.3	0.0	0.0
Block Island	26	11	46	29.94	29.97	.00	65.0	+3.2	80	25	71	48	1	59	19	61	59	87	2.00	−0.6	8	10,009	sw.	36	w.	1	8	11	11	5.8	0.0	0.0
Providence	160	215	251	29.80	29.96	−.01	71.4	+3.1	93	4	81	44	1	62	36	64	60	70	2.71	0.0	11	7,121	sw.	39	nw.	1	14	9	7	4.6	0.0	0.0
Hartford	159	122		29.79	29.96	−.01	71.8	+4.7	94	5	82	53	3	62	37				4.54	+1.5	12		sw.				11	12	7	4.9	0.0	0.0
New Haven	106	74	153	29.86	29.97	.00	70.4	+3.8	93	4	79	44	1	62	38	64	60	75	2.43	−0.7	10	5,464	s.	30	sw.	1	11	13	6	4.8	0.0	0.0
Middle Atlantic States							72.3	+2.0										69	3.92	+0.3										4.6		
Albany	97	107	115	29.83	29.93	−.04	72.2	+4.2	96	5	83	44	1	62	34	65	61	72	3.21	−0.2	10	4,520	s.	23	s.	6	15	12	3	3.7	0.0	0.0
Binghamton	871	10	84	29.04	29.96	−.01	69.0	+3.4	92	5	81	40	1	57	38				5.89	+2.5	10	3,666	sw.	22	se.	10	14	6	10	4.8	0.0	0.0
New York	314	414	454	29.64	29.97	−.01	71.8	+3.0	90	5	80	48	1	64	27	64	60	73	2.60	−0.7	10	9,773	s.	52	se.	10	7	15	8	5.7	0.0	0.0
Bellefonte	1,050	5	36	28.88	29.97		66.6		90	5	80	33	1	53	44	60	56	68	5.67		11		sw.				11	13	6	4.9	0.0	0.0
Harrisburg	374	94	104	29.59	29.98	−.01	72.8	+2.5	95	4	83	45	1	62	35	63	58	63	5.38	+1.8	9	4,124	w.	31	nw.	21	15	10	5	4.1	0.0	0.0
Philadelphia	114	123	367	29.87	29.99	+.01	75.2	+3.8	94	26	84	51	1	66	28	65	59	64	4.96	+1.7	11	8,295	sw.	51	nw.	26	9	15	6	5.1	0.0	0.0
Reading	325	81	98	29.63	29.97		73.6	+3.8	94	26	84	47	1	63	32	64	58	61	2.55	−1.0	8	3,935	sw.	20	se.	10	14	12	4	4.1	0.0	0.0
Scranton	805	111	119	29.13	29.97	−.01	69.8	+2.0	92	5	82	42	1	58	38	62	56	64	2.83	−0.8	9	4,434	sw.	21	se.	10	8	17	5	4.7	0.0	0.0
Atlantic City	52	37	172	29.93	29.99	+.01	69.7	+3.1	90	25	76	49	1	64	27	64	62	80	5.04	+2.0	10	10,540	s.	52	se.	10	7	14	9	5.0	0.0	0.0
Cape May	17	13	49				69.6	+1.9	88	25	77	45	1	62	31	65	63	84	3.20	+0.2	9		se.				11	12	7		0.0	0.0
Sandy Hook	22	10	55	29.94	29.96		71.0		91	4	78	51	1	64	33	64	61	78	3.32	−0.5	12	7,871	sw.	37	sw.	26	8	14	8	5.1	0.0	0.0
Trenton	190	159	183	29.77	29.97		73.0	+3.5	94	26	83	46	1	62	33	65	60	67	4.25	+1.2	11	6,442	sw.	31	se.	10	10	12	8	5.0	0.0	0.0
Baltimore	123	100	215	29.85	29.97	−.02	76.2	+3.5	96	4	86	51	1	67	32	65	59	61	2.97	−0.9	9	6,582	sw.	33	sw.	26	13	12	5	4.6	0.0	0.0
Washington	112	62	85	29.87	29.98	−.02	75.1	+2.9	97	26	86	45	1	64	38	65	60	62	3.19	−0.9	8	3,551	sw.	22	nw.	19	13	13	4	4.0	0.0	0.0
Cape Henry	18	8	54	29.98	30.00		73.4	+0.5	95	24	81	50	1	66	27	68	66	79	6.68	+2.7	8	6,020	sw.	38	n.	24	13	10	7	4.6	0.0	0.0
Lynchburg	681	153	188	29.28	30.02	+.01	72.7	−1.9	98	24	84	44	1	61	39	64	58	62	2.57	−1.2	7	3,950	w.	42	nw.	26	15	10	5	4.1	0.0	0.0
Norfolk	91	170	205	29.92	30.02	+.02	75.0	+0.6	94	26	84	53	1	66	29	67	64	73	5.90	+1.7	8	7,088	s.	36	nw.	26	11	9	10	4.9	0.0	0.0
Richmond	144	11	52	29.85	30.00	−.01	74.2	+0.1	96	26	85	45	1	64	37	67	63	73	5.18	+1.3	10	4,164	sw.	40	nw.	26	10	14	6	4.6	0.0	0.0
Wytheville	2,304	49	55	27.69	30.00	−.01	66.2	−2.5	92	24	79	37	1	54	40	59	54	64	0.91	−3.3	8	3,338	nw.	28	w.	24	17	9	4	3.8	0.0	0.0
South Atlantic States							75.3	−1.2										73	5.06	+0.4										5.4		
Asheville	2,253	70	84	27.72	30.02	+.01	68.0	−0.7	93	26	78	41	1	58	36	60	56	69	2.96	−1.0	11	4,424	se.	26	n.	26	14	12	4	4.1	0.0	0.0
Charlotte	779	55	62	29.20	30.02	+.01	75.2	−0.3	102	24	86	52	1	65	31	65	59	64	4.92	+0.7	9	2,538	s.	25	nw.	26	9	13	8	5.5	0.0	0.0
Greensboro	886	5	56	29.09	30.03		72.2		100	24	85	42	1	59	39	65	62	73	2.66		13	4,385	s.	36	w.	24	8	12	10	5.1	0.0	0.0
Hatteras	11	5	50	30.01	30.02	+.01	75.0	−0.6	87	25	81	53	1	69	21	71	69	81	7.78	+3.3	13	6,791	sw.	28	w.	9	13	10	7	4.2	0.0	0.0
Raleigh	376	103	110	29.62	30.01	.00	74.8	−0.9	99	24	85	52	1	65	31	67	63	71	4.24	−0.2	13	4,258	sw.	31	nw.	26	9	12	9	5.2	0.0	0.0
Wilmington	78	81	91	29.95	30.03	+.02	75.2	−1.6	93	23	83	54	1	67	24	70	68	80	3.89	−1.2	14	5,355	sw.	26	w.	27	10	12	8	5.4	0.0	0.0
Charleston	48	11	92	29.97	30.02	+.01	76.8	−2.1	95	20	83	61	1	71	23	72	69	80	6.59	+2.0	15	6,635	s.	31	e.	14	7	5	18	6.5	0.0	0.0
Columbia, S. C.	351	41	57	29.64	30.01	.00	75.9	−2.2	100	24	86	50	1	66	31	67	63	69	3.98	−0.2	14	3,982	s.	29	sw.	26	9	13	8	5.5	0.0	0.0
Due West	711	10	55	29.28	30.05		75.4		102	24	86	53	10	64	32				2.59		12	4,859	e.	28	nw.	26	9	11	10	5.3	0.0	0.0
Greenville, S. C.	1,039	139	146	28.93	30.00		74.9	+0.8	99	24	85	53	10	65	28	65	60	65	5.23	+0.7	11	4,538	ne.	24	w.	26	9	12	9	5.1	0.0	0.0
Augusta	182	62	77	29.80	29.99	−.02	78.0	−0.7	102	24	88	50	1	68	33	68	64	68	2.49	−2.2	10	3,421	s.	19	e.	15	10	14	6	5.1	0.0	0.0
Savannah	65	150	194	29.93	30.00	−.01	77.4	−1.6	97	23	85	60	1	70	23	71	68	79	3.42	−1.9	14	6,777	e.	35	nw.	25	10	4	16	5.9	0.0	0.0
Jacksonville	43	209	245	29.95	30.00	−.01	76.9	−3.0	94	23	83	64	9	70	24	70	68	79	10.13	+4.8	14	7,005	s.	33	se.	28	3	11	16	7.1	0.0	0.0
Florida Peninsula							79.2	−1.5										81	15.79	+9.7										7.0		
Key West	22	10	64	29.94	29.96	−.03	80.0	−1.9	89	28	85	69	15	75	17	75	74	81	12.97	+8.7	16	6,258	e.	35	sw.	18	6	6	18	7.2	0.0	0.0
Miami	25	124	168	29.97	30.00	−.01	79.2	−0.8	91	23	85	68	2	74	17	75	73	81	25.34	+18.5	18	6,640	e.	31	s.	17	2	7	21	8.1	0.0	0.0
Tampa	35	79	197	29.95	29.99	−.02	78.5	−1.7	93	24	86	65	8	71	20	72	70	81	9.06	+1.8	16	7,340	e.	32	s.	18	3	10	17	7.1	0.0	0.0
Titusville	44	5		29.95	30.00		79.2		98	26	88	64	10	71	25				18.97		18		e.				7	13	10	5.7	0.0	0.0
East Gulf States							77.8	−0.8										66	1.85	−2.8										3.9		
Atlanta	1,173	190	216	28.80	30.01	.00	75.2	−0.8	99	24	85	53	9	66	27	64	58	59	1.44	−2.3	10	6,067	nw.	39	nw.	26	11	11	8	4.8	0.0	0.0
Macon	370	78	387	29.61	30.00	−.01	77.0	−1.9	101	24	88	50	1	66	31	67	62	64	1.58	−2.5	11	3,755	e.	28	se.	29	12	8	10	4.7	0.0	0.0
Thomasville	273	49	103	29.70	29.99	−.01	77.4	−2.1	99	24	87	57	1	68	27	69	66	76	5.15	−0.3	12	4,579	e.	29	ne.	21	9	8	13	6.1	0.0	0.0
Apalachicola	36	11	51	29.94	29.98		77.9		101	23	84	62	9	72	21	72	70	76	2.68	−2.9	7	6,539	e.	28	e.	2	12	14	4	4.3	0.0	0.0
Pensacola	56	149	185	29.93	29.99	.00	78.1	−1.2	98	23	84	62	9	72	24	70	67	73	2.53	−2.2	7	7,780	s.	32	se.	11	12	11	7	4.8	0.0	0.0
Anniston	741	9	57	29.25	30.03	+.03	74.8	−0.2	101	23	88	48	10	62	34				1.84	−2.3	7	2,527	se.	28	n.	26	19	8	3	2.8	0.0	0.0
Birmingham	700	11	48	29.26	30.01	+.02	77.4	−0.5	101	22	89	52	9	66	29	66	60	61	1.55	−2.9	4	3,724	n.	22	n.	30	18	10	2	3.1	0.0	0.0
Mobile	57	125	161	29.92	29.98	−.01	80.2	−0.1	100	24	89	60	9	71	28	71	67	72	0.56	−4.9	4	5,527	n.	31	se.	30	14	9	7	4.4	0.0	0.0
Montgomery	223	100	112	29.76	30.00	.00	78.8	−0.8	103	24	89	57	1	68	29	67	60	57	1.98	−1.8	8	3,793	e.	28	w.	30	17	7	6	3.8	0.0	0.0
Corinth	469	6					77.8		105	22	93	47	1	63	40				0.24		3		se.				16	14	0		0.0	0.0
Meridian	375	87	95	29.60	29.98	.00	77.0	−1.1	101	26	88	52	1	66	30	67	61	60	1.57	−3.0	5	2,913	e.	17	se.	30	21	4	5	2.5	0.0	0.0
Vicksburg	247	65	73	29.73	30.00	+.03	78.6	−0.4	98	26	89	55	9	68	25	68	63	62	0.03	−4.0	1	3,583	e.	15	nw.	8	25	4	1	2.1	0.0	0.0
New Orleans	53	76	84	29.93	29.98	.00	80.8	+0.2	101	27	89	66	1	72	22	72	68	70	1.27	−4.6	5	4,096	e.	19	e.	1	19	8	3	3.4	0.0	0.0
West Gulf States							79.2	−0.5										68	1.15	−2.2										3.6		
Shreveport	249	77	93	29.70	29.97	+.01	81.0	+0.3	101	25	91	60	1	71	25	69	62	57	0.76	−2.7	3	3,724	se.	21	nw.	6	21	8	1	2.7	0.0	0.0
Bentonville	1,303	11	44	28.60	29.94	.00	72.2	−1.9	93	22	83	47	8	62	29				4.74		6	3,238	s.	16	ne.	26	25	2	3		0.0	0.0
Fort Smith	457	79	94	29.47	29.94	.00	77.1	−0.4	101	28	88	55	1	67	29	67	62	62	2.00	−1.7	7	4,445	e.	20	nw.	24	15	10	5	3.9	0.0	0.0
Little Rock	357	136	153	29.60	29.96	.00	78.8	+1.4	99	21	89	56	9	68	25	66	58	53	0.12	−3.6	2	4,955	s.	26	n.	30	21	6	3	3.0	0.0	0.0
Austin	605	136	148	29.31	29.94		79.7	−1.5	100	27	89	60	1	70	28	71	68	72	1.60	−0.8	6	5,094	se.	26	s.	30	13	11	6	4.4	0.0	0.0
Brownsville	57	83	100	29.85	29.91		80.8	−1.6	95	27	87	67	10	74	21	75	73	83	3.01	+0.1	11	6,237	e.	23	se.	11	16	11	3	3.9	0.0	0.0
Corpus Christi	20	11	78	29.92	29.94	+.03	80.8	−0.2	93	28	86	70	10	76	20	75	73	80	0.69	−1.9	9	7,413	se.	22	se.	11	12	10	8	4.8	0.0	0.0
Dallas	512	220	227	29.41	29.94		80.4		102	28	90	58	1	71	25				0.30	−3.6	4	7,618	se.	32	nw.	5	23	6	1	1.9	0.0	0.0
Fort Worth	670	106	114	29.22	29.92	.00	80.2	+0.3	103	28	91	58	1	70	30	68	62	58	1.87	−1.5	4	6,734	s.	23	nw.	5	13	9	8	4.5	0.0	0.0
Galveston	54	106	114	29.93	29.99	+.04	80.6	−0.1	97	27	85	72	9	76	22	73	70	76	0.01	−4.4	1	6,996	se.	22	se.	3	17	9	4	3.6	0.0	0.0
Groesbeck	461	11	56	29.47	29.94		78.8		102	27	89	56	1	68	32				1.27	−1.5	4	6,101	s.	23	ne.	16	17	10	3	3.4	0.0	0.0
Houston	138	292	314	29.83	29.98		80.3	−1.1	100	28	90	62	1	71	27				0.46	−4.1	3	7,146	se.	25	se.	3	21	6	3	3.0	0.0	0.0
Palestine	510	64	72	29.44	29.96	+.02	79.2	+0.2	100	27	90	56	1	69	26	69	65	66	0.52	−3.1	1	4,234	s.	15	n.	16	14	12	4	4.0	0.0	0.0
Port Arthur	34	58	66	29.93	29.97		81.6		102	27	89	64	1	74	26	73	70	76	0.23	−4.6	3	4,342	se.	20	e.	9	23	4	3	2.4	0.0	0.0
San Antonio	693	119	132	29.22	29.93	+.03	79.6	−1.4	98	27	88	60	1	71	25	70	66	68	4.03	+1.6	7	4,597	se.	20	se.	21	8	14	8	5.3	0.0	0.0
Taylor	571	55	63	29.37	29.97	+.05	79.6	−0.4	100	27	90	58	1	69	30				0.35	−1.7	5	5,510	se.	23	sw.	30	17	9	4	3.6	0.0	0.0

TABLE 1.—*Climatological data for weather Bureau stations, June, 1930*—Continued

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station, reduced to mean of 24 hours	Pressure: Sea level, reduced to mean of 24 hours	Pressure: Departure from normal	Temperature of the air: Mean max. + mean min. ÷ 2	Temperature: Departure from normal	Temperature: Maximum	Temperature: Date	Temperature: Mean maximum	Temperature: Minimum	Temperature: Date	Temperature: Mean minimum	Temperature: Greatest daily range	Mean wet thermometer	Mean temperature of the dew-point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with .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.	K	In.	In.		Miles								0-10	In.	In.
Ohio Valley and Tennessee							**72.9**	**+0.1**										**58**	**2.04**	**−1.9**										**4.2**		
Chattanooga	762	190	215	29.20	29.99	−0.01	74.8	−0.6	98	25	86	50	1	64	32	64	57	57	3.27	−0.9	10	4,420	se.	39	n.	23	14	14	2	3.9	0.0	0.0
Knoxville	995	102	111	28.97	30.00	.00	74.5	+0.5	96	23	86	48	1	63	35	64	57	60	2.60	−1.5	7	2,018	sw.	23	s.	24	16	11	3	3.8	0.0	0.0
Memphis	399	76	97	29.55	29.97	.00	78.9	+1.3	98	22	88	54	8	69	25	66	58	51	0.19	−3.4	2	4,070	n.	31	nw.	5	18	10	2	3.0	0.0	0.0
Nashville	546	168	191	29.44	30.01	+.02	74.8	−0.8	100	23	86	49	1	64	32	64	57	57	1.59	−2.4	4	5,143	s.	40	w.	24	17	10	3	3.1	0.0	0.0
Lexington	989	193	230	28.97	30.01	+.01	72.8	+0.6	95	23	83	47	8	63	26	----	----	----	1.89	−2.2	5	7,206	sw.	37	nw.	24	19	9	2	2.7	0.0	0.0
Louisville	525	188	234	29.42	30.00	+.02	73.7	−1.0	97	23	84	49	8	64	27	64	57	58	1.77	−2.0	9	5,483	s.	35	nw.	24	13	13	4	3.6	0.0	0.0
Evansville	431	76	116	29.52	29.98	+.01	75.4	+0.3	98	22	85	49	8	65	29	64	57	57	2.28	−1.8	8	5,060	s.	47	sw.	25	10	14	6	4.7	0.0	0.0
Indianapolis	822	194	230	29.09	29.96	−.01	71.6	0.0	96	23	81	48	8	62	29	61	54	56	1.55	−2.1	10	6,542	sw.	33	w.	24	12	13	5	4.8	0.0	0.0
Royal Center	736	11	55	29.18	29.96	----	68.3	----	98	23	80	42	8	56	35	----	----	----	2.57	−1.0	9	5,795	s.	30	w.	26	12	11	7	5.0	0.0	0.0
Terre Haute	575	96	129	29.35	29.96	----	72.4	----	98	23	83	48	8	62	29	62	56	59	1.97	−2.0	9	5,622	s.	34	s.	30	11	14	5	5.2	0.0	0.0
Cincinnati	627	11	51	29.31	29.98	−.01	72.7	+1.5	98	23	85	46	8	61	36	62	55	57	0.98	−2.7	4	3,988	sw.	23	sw.	6	15	11	4	3.9	0.0	0.0
Columbus	822	179	222	29.12	29.98	−.01	72.0	+1.1	95	29	82	47	8	62	35	61	54	58	1.25	−2.1	10	5,838	s.	51	nw.	24	10	17	3	4.5	0.0	0.0
Dayton	899	137	173	29.03	29.96	----	71.8	+0.4	96	23	82	47	8	61	34	62	55	58	2.38	−1.4	9	5,176	sw.	33	sw.	6	12	16	2	4.4	0.0	0.0
Elkins	1,947	59	67	28.01	30.01	+.01	65.1	−1.8	89	30	78	32	1	52	46	59	54	70	3.80	−1.3	8	2,777	w.	34	W.	24	10	10	10	5.3	0.0	0.0
Parkersburg	637	77	82	29.36	30.01	+.01	72.4	+1.0	96	24	85	42	1	60	38	61	54	56	1.17	−2.8	5	3,413	se.	27	nw.	6	11	9	10	5.2	0.0	0.0
Pittsburgh	842	353	410	29.09	29.98	−.01	69.9	−0.8	90	30	80	44	1	60	32	61	55	62	3.41	−0.4	8	6,443	sw.	29	nw.	21	11	12	7	4.7	0.0	0.0
Lower Lake Region							**69.0**	**+2.3**										**67**	**3.89**	**+0.5**										**5.1**		
Buffalo	767	247	280	29.11	29.92	−.05	65.7	+1.3	84	30	72	47	8	59	23	61	58	77	3.31	+0.5	11	10,214	sw.	60	w.	26	15	4	11	4.8	0.0	0.0
Canton	448	10	61	29.42	29.88	----	67.6	+1.8	89	30	77	35	2	58	43	----	----	----	4.39	+1.1	14	6,046	sw.	29	w.	30	8	10	12	5.9	0.0	0.0
Ithaca	836	5	100	29.05	29.94	----	67.2	+1.0	91	5	79	39	1	56	38	61	57	71	6.85	+3.3	12	5,578	nw.	38	se.	10	10	10	10	5.7	0.0	0.0
Oswego	335	76	91	29.55	29.92	−.05	66.6	+1.8	92	30	76	48	2	58	33	60	55	69	4.20	+1.0	12	5,202	s.	27	s.	10	6	10	14	6.4	0.0	0.0
Rochester	523	86	102	29.38	29.93	−.04	69.2	+3.1	94	30	79	48	1	60	31	61	56	67	4.07	+1.1	11	5,269	sw.	27	w.	30	12	9	9	4.8	0.0	0.0
Syracuse	596	65	79	29.30	29.93	−.04	71.0	+4.1	93	30	80	51	9	62	31	----	----	----	5.98	+2.1	12	4,556	s.	25	se.	10	14	6	10	5.0	0.0	0.0
Erie	714	130	166	29.19	29.94	−.04	69.0	+2.8	92	30	77	49	8	61	31	63	59	73	4.58	+1.2	7	8,690	s.	37	sw.	16	19	5	6	3.8	0.0	0.0
Cleveland	762	267	337	29.14	29.94	−.04	70.2	+3.1	90	14	79	46	8	62	31	61	55	60	1.84	−1.3	8	8,552	s.	37	sw.	24	9	10	11	5.4	0.0	0.0
Sandusky	629	5	67	29.28	29.96	−.02	71.0	+2.2	91	5	82	44	8	60	37	----	----	----	2.94	−0.6	7	5,224	sw.	24	sw.	5	6	16	8	5.5	0.0	0.0
Toledo	628	208	243	29.27	29.95	−.02	70.4	+1.7	90	29	80	50	7	61	35	61	55	59	1.76	−1.6	11	8,648	sw.	45	w.	6	16	10	4	4.0	0.0	0.0
Fort Wayne	856	113	124	29.05	29.96	----	69.7	+1.2	95	23	80	46	7	59	33	60	55	62	4.06	+0.5	12	5,762	s.	26	s	27	11	13	6	4.9	0.0	0.0
Detroit	730	218	258	29.16	29.94	−.03	70.5	+3.1	89	29	80	47	7	61	31	61	55	62	2.70	−0.9	10	5,957	w.	32	w.	5	13	10	7	4.7	0.0	0.0
Upper Lake Region							**64.7**	**+2.3**										**70**	**3.19**	**0.0**										**5.5**		
Alpena	609	13	92	29.22	29.89	−.07	63.5	+3.1	89	14	73	43	7	54	35	57	53	72	6.05	+2.8	13	6,789	nw.	33	se.	23	9	8	13	5.8	0.0	0.0
Escanaba	612	54	60	29.20	29.86	−.08	61.8	+1.1	82	24	70	44	7	54	25	56	52	72	1.79	−1.4	10	6,900	s.	32	n.	6	10	10	10	5.2	0.0	0.0
Grand Haven	632	54	89	29.22	29.89	−.07	63.3	−0.4	85	23	72	45	7	55	29	57	52	70	1.74	−1.2	9	7,835	s.	29	nw.	29	7	11	12	6.0	0.0	0.0
Grand Rapids	707	70	87	29.17	29.92	−.05	68.7	+0.9	94	23	80	47	7	58	30	59	53	60	2.66	−0.8	9	8,192	sw.	44	sw.	14	7	13	10	5.6	0.0	0.0
Houghton	668	64	99	29.13	29.84	−.10	62.6	+2.6	87	1	73	40	7	52	30	----	----	----	3.42	+0.5	12	6,028	w.	28	w.	15	10	9	11	5.4	0.0	0.0
Lansing	878	6	49	28.99	29.91	----	66.6	+0.2	88	23	78	45	7	55	32	61	58	74	2.79	−0.7	13	2,579	sw.	21	nw.	29	10	15	5	4.7	0.0	0.0
Ludington	637	60	66	29.21	29.90	----	61.0	+0.5	83	23	69	43	6	53	24	56	53	78	2.29	−0.6	12	6,891	s.	43	w.	23	11	16	3	4.4	0.0	0.0
Marquette	734	77	111	29.06	29.86	−.08	62.6	+3.7	89	22	73	40	6	52	35	56	52	72	5.62	+2.4	14	6,675	w.	33	e.	12	7	7	16	6.4	0.0	0.0
Port Huron	638	70	120	29.23	29.92	−.05	67.2	+3.0	88	5	77	46	7	58	29	60	56	71	2.60	−0.1	9	6,774	s.	30	w.	16	12	10	8	5.3	0.0	0.0
Sault Ste. Marie	614	11	52	29.18	29.87	−.09	60.8	+2.2	84	22	71	41	9	51	34	55	51	73	4.84	+1.9	15	4.705	nw.	22	nw.	27	12	5	13	5.3	0.0	0.0
Chicago	673	7	131	29.22	29.94	−.02	70.1	+2.8	97	23	79	47	6	61	30	60	54	63	2.49	−0.8	9	6,497	sw.	27	sw.	30	8	13	9	5.5	0.0	0.0
Green Bay	617	109	141	29.21	29.86	−.09	67.4	+2.5	92	23	77	45	6	58	29	60	55	68	3.02	−0.7	12	6,927	s.	37	nw.	16	7	7	16	6.4	0.0	0.0
Milwaukee	681	125	221	29.18	29.90	−.05	68.0	+4.1	94	23	77	46	7	58	33	60	55	66	1.60	−1.8	10	8,440	sw.	35	n.	29	8	12	10	5.6	0.0	0.0
Duluth	1,133	5	47	28.66	29.36	−.06	62.8	+5.6	84	20	73	43	5	52	35	56	52	73	3.74	−0.2	16	6,807	nw.	33	sw.	14	11	10	9	5.1	0.0	0.0
North Dakota							**64.0**	**+0.9**										**64**	**2.44**	**−1.4**										**5.3**		
Moorhead	940	50	58	28.84	29.84	−.06	65.0	+0.6	91	21	76	39	6	54	33	57	51	64	2.70	−1.4	11	5,583	s.	31	sw.	1	8	10	12	5.9	0.0	0.0
Bismarck	1,674	8	57	28.08	29.83	−.04	64.5	+0.8	86	26	75	43	6	54	33	56	50	64	2.19	−1.2	9	7,574	nw.	54	sw.	1	14	11	5	4.4	0.0	0.0
Devils Lake	1,478	11	44	28.27	29.82	−.06	63.3	+1.4	85	21	74	38	6	52	33	56	51	67	3.65	+0.1	14	6,485	s.	34	w.	1	6	11	13	6.0	0.0	0.0
Ellendale	1,457	10	56	28.30	29.84	----	63.3	----	90	21	76	37	6	51	37	----	----	----	1.35	−3.2	10	9,766	nw.	45	sw.	1	8	10	12	5.8	0.0	0.0
Grand Forks	833	12	67	----	----	----	64.8	----	89	21	76	36	6	53	37	58	----	----	2.60	----	10	----	nw.	42	sw.	1	17	11	2	----	0.0	0.0
Williston	1,878	41	48	27.88	29.82	−.04	63.4	+0.7	88	27	74	42	3	52	37	54	48	63	2.32	−1.1	12	5,869	w.	37	nw.	29	13	10	7	4.3	0.0	0.0
Upper Mississippi Valley							**70.8**	**+0.3**										**65**	**5.67**	**+1.6**										**5.1**		
Minneapolis	918	102	208	28.88	29.84	----	68.6	+1.1	91	21	78	50	18	59	32	----	----	----	6.68	+2.5	17	6,816	w.	33	se.	13	11	7	12	5.6	0.0	0.0
St. Paul	837	236	261	28.97	29.86	−.06	67.6	+0.5	88	21	77	50	7	58	30	----	----	----	4.44	+0.3	15	7,401	sw.	41	sw.	1	12	10	8	4.9	0.0	0.0
La Crosse	714	11	48	29.11	29.87	−.06	68.9	+0.6	93	23	79	44	7	59	32	61	58	74	6.89	+2.8	15	2,805	s.	21	nw.	29	7	13	10	5.9	0.0	0.0
Madison	974	70	78	28.88	29.90	−.04	67.8	+0.6	90	23	76	48	7	59	24	60	56	70	6.60	+2.8	15	5,229	nw.	24	sw.	12	8	13	9	5.4	0.0	0.0
Wausau	1,247	4	62	28.57	29.87	----	67.0	----	89	23	78	46	10	56	33	----	----	----	9.61	+5.6	15	4,059	s.	30	sw.	13	10	9	11	5.9	0.0	0.0
Charles City	1,015	10	51	28.84	29.90	−.01	67.8	+1.3	91	23	78	44	8	57	30	61	57	72	9.30	+4.7	11	3,979	nw.	27	nw.	29	10	13	7	4.8	0.0	0.0
Davenport	606	71	79	29.27	29.92	−.02	71.0	+0.5	96	23	81	50	8	61	27	62	57	65	9.14	+5.0	15	6,355	nw.	36	s.	22	11	10	9	5.3	0.0	0.0
Des Moines	861	5	99	29.01	29.90	−.02	70.2	−0.4	95	22	80	47	8	60	28	62	57	66	3.69	−1.1	10	6,234	s.	35	s.	13	6	16	8	5.6	0.0	0.0
Dubuque	700	81	96	29.17	29.90	−.03	69.0	−0.4	94	23	79	47	8	60	28	62	58	69	5.21	+0.9	15	4,115	nw.	19	s.	12	10	12	8	4.9	0.0	0.0
Keokuk	614	64	78	29.29	29.94	.00	72.2	−0.3	97	22	82	46	8	63	28	63	57	62	4.06	+1.1	10	4,913	s.	24	w.	30	10	12	8	5.2	0.0	0.0
Cairo	358	87	93	29.60	29.97	.00	76.1	−0.2	99	22	86	54	8	66	27	66	60	60	1.59	−2.2	7	4,565	s.	39	n.	25	12	12	6	4.7	0.0	0.0
Peoria	609	11	45	29.31	29.95	.00	71.6	+0.7	99	23	83	44	8	60	32	62	57	64	2.53	−1.2	12	3,606	s.	17	sw.	23	13	10	7	4.2	0.0	0.0
Springfield, Ill	636	154	191	29.28	29.94	−.01	71.8	−0.4	97	23	82	47	8	62	29	62	56	60	2.40	−1.7	10	7,790	s.	35	s.	25	8	13	9	5.1	0.0	0.0
Hannibal	534	74	109	29.38	29.94	−.01	72.8	+0.3	99	23	83	43	8	63	33	----	----	----	10.35	+6.4	7	5,560	nw.	25	se.	25	14	9	7	4.7	0.0	0.0
St. Louis	568	265	303	29.36	29.95	.00	75.1	+0.3	101	22	85	52	8	66	27	63	56	55	2.63	−1.2	8	7,760	s.	41	sw.	30	14	11	5	4.2	0.0	0.0
Missouri Valley							**70.5**	**−0.3**										**62**	**3.35**	**−0.9**										**3.9**		
Columbia, Mo	784	6	84	29.13	29.94	−.01	72.0	−0.8	98	22	82	45	8	62	32	----	----	----	3.10	−1.7	9	4,546	s.	25	sw.	29	12	12	6	4.8	0.0	0.0
Kansas City	963	161	181	28.91	29.92	.00	73.4	−0.2	97	21	83	52	8	64	25	63	58	62	3.78	−1.2	9	5,999	s.	34	sw.	29	19	7	4	3.5	0.0	0.0
St. Joseph	967	11	49	28.90	29.91	----	72.0	----	97	22	82	47	8	62	25	63	58	66	5.32	+0.4	10	5,299	se.	32	nw.	25	17	8	5	3.7	0.0	0.0
Springfield, Mo	1,324	98	104	28.60	29.98	+.03	71.4	−1.1	92	25	80	50	8	63	25	63	58	63	4.31	−0.4	5	6,470	s.	35	nw.	25	22	5	3	2.1	0.0	0.0
Iola	984	11	50	28.90	29.92	−.01	72.8	−1.3	94	22	83	48	8	62	28	----	----	----	6.03	+0.6	9	3,897	s.	17	n.	4	15	10	5	4.1	0.0	0.0
Topeka	987	92	107	----	----	----	72.4	−1.0	97	22	82	50	8	62	28	----	----	----	4.73	+0.1	9	6,596	sw.	38	nw.	4	14	10	6	4.0	0.0	0.0
Lincoln	1,189	11	81	28.65	29.89	−.01	71.2	−0.2	101	21	83	45	8	59	36	63	59	68	2.95	−1.4	8	6,311	s.	27	s.	13	11	12	7	4.7	0.0	0.0
Omaha	1,105	115	122	28.74	29.90	−.01	71.6	0.0	100	22	82	50	8	61	28	61	55	59	1.56	−3.0	5	4,869	s.	33	n.	25	17	10	3	3.6	0.0	0.0
Valentine	2,598	47	54	27.22	29.89	+.03	66.6	−0.3	102	28	80	39	6	53	40	56	49	60	1.34	−1.5	9	6,180	w.	40	sw.	1	17	9	4	3.4	0.0	0.0
Sioux City	1,135	94	164	28.71	29.89	−.01	69.7	−0.2	99	22	81	45	7	59	32	61	55	61	5.67	+1.7	9	7,314	se.	42	sw.	3	11	15	4	4.7	0.0	0.0
Huron	1,306	59	74	28.51	29.88	.00	66.6	+0.4	98	28	79	41	7	54	39	58	52	61	1.71	−2.1	8	6,411	se.	32	nw.	20	15	11	4	4.0	0.0	0.0
Pierre	1,572	70	75	28.21	29.85	−.02	69.2	+0.7	100	21	81	43	7	57	34	58	50	57	1.34	−1.6	6	6,798	nw.	54	w.	24	10	17	3	4.4	0.0	0.0
Yankton	1,233	49	57	28.58	29.88	−.01	68.9	0.0	98	22	81	47	7	57	41	----	----	----	1.73	−2.0	8	4,879	s.	34	nw.	24	15	13	2	3.7	0.0	0.0

TABLE 1.—*Climatological data for Weather Bureau stations, June, 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 .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.	°F.	%	In.	In.		Miles								0-10	In.	In.
Northern Slope							62.0	+0.5										52	1.55	−0.8										3.9		
Billings	3,140	5					64.5		96	11	84	31	4	46	53				0.79		8		nw.				17	4	9		0.0	0.0
Havre	2,505	11	44	27.26	29.85	0.00	63.6	+1.6	97	16	77	42	5	50	47	51	40	50	1.65	−1.2	11	4,986	sw.	30	sw.	20	12	14	4	4.7	0.0	0.0
Helena	4,124	89	113	25.76	29.88	.00	60.8	+1.6	94	16	74	39	4	48	44	47	34	42	0.54	−1.8	5	6,654	sw.	42	sw.	13	10	7	13	5.4	0.0	0.0
Kalispell	2,973	48	56	26.90	29.92	+.03	57.5	−0.2	88	10	70	37	3	46	40	47	39	57	2.52	+0.5	7	4,251	w.	26	w.	17	9	15	6	5.1	0.0	0.0
Miles City	2,371	48	55	27.37	29.88	+.03	66.0	0.0	97	17	79	43	4	54	36	53	43	50	1.75	−0.9	6	4,736	nw.	34	nw.	17	14	14	2	3.9	0.0	0.0
Rapid City	3,259	50	58	26.55	29.90	+.05	64.8	+0.6	94	28	78	38	6	52	35	53	43	49	2.16	−1.2	11	5,475	w.	32	nw.	24	15	12	3	3.9	0.0	0.0
Cheyenne	6,088	84	101	24.02	29.85	+.01	61.2	+0.8	89	27	76	40	15	47	40	50	41	55	0.34	−1.3	3	7,000	w.	46	w.	4	20	7	3	3.1	0.0	0.0
Lander	5,372	60	68	24.62	29.86	+.01	61.6	+1.1	89	27	77	36	2	46	44	47	34	43	0.12	−1.0	5	3,835	w.	34	nw.	23	24	6	0	2.0	0.0	0.0
Sheridan	3,790	10	47	26.04	29.88		60.9		94	27	78	33	14	44	50	50	41	56	1.39	−0.6	6	3,010	nw.	24	nw.	11	22	6	2	3.0	0.0	0.0
Yellowstone Park	6,241	11	48		29.91	+.05	54.2	−1.8	83	16	68	31	5	40	43			49	1.00	−0.9	9	5,148	sw.	33	sw.	11	13	10	7		T.	0.0
North Platte	2,821	11	51	27.00	29.87	+.01	68.4	+0.9	96	21	81	43	6	56	37	59	54	66	4.06	+0.8	16	4,102	se.	29	sw.	22	18	4	8	3.7	0.0	0.0
Middle Slope							73.0	+1.2										56	3.38	+0.1										3.6		
Denver	5,292	106	113	24.72	29.85	+.01	69.2	+2.9	96	28	83	46	5	56	36	51	37	39	0.17	−1.2	3	4,695	s.	29	nw.	21	22	6	2	2.5	0.0	0.0
Pueblo	4,685	80	86	25.22	29.79	−.04	71.2	+2.2	101	27	87	46	2	55	43	54	41	43	1.89	+0.5	4	4,519	e.	34	n.	30	22	7	1	2.5	0.0	0.0
Concordia	1,392	50	58	28.47	29.91	+.01	71.7	−1.3	100	21	82	47	8	61	33	63	58	65	3.58	−0.8	9	5,180	s.	24	s.	13	15	7	8	4.1	0.0	0.0
Dodge City	2,509	11	51	27.34	29.88	+.01	74.7	+2.2	105	28	87	50	6	62	38	62	55	60	1.27	−2.0	9	6,615	se.	30	se.	2	23	4	3	2.8	0.0	0.0
Wichita	1,358	139	158	28.48	29.88	−.03	74.4	0.0	101	25	84	53	6	64	27	64	59	63	2.36	−2.0	5	8,973	s.	38	s.	29	13	13	4	3.9	0.0	0.0
Broken Arrow	765	11	56	29.13	29.95		73.8		92	22	83	52	7	64	25				5.60	+1.4	9	8,343	s.	30	nw.	5	14	10	6	4.4	0.0	0.0
Oklahoma City	1,214	10	47	28.65	29.90	−.01	77.1	+1.1	99	25	87	58	6	67	26	67	63	66	8.76	+5.1	8	6,660	s.	22	n.	27	13	9	8	4.8	0.0	0.0
Southern Slope							78.0	+0.1										58	2.53	0.0										4.0		
Abilene	1,738	10	52	28.12	29.88	.00	79.6	+0.4	101	28	90	60	7	69	30	67	60	58	1.73	−1.3	5	7,352	s.	26	n.	5	13	10	7	4.5	0.0	0.0
Amarillo	3,676	10	49	26.23	29.87	+.02	75.6	+2.8	104	29	88	52	8	63	34	61	53	55	4.47	+1.6	9	6,707	s.	30	w.	4	16	13	1	3.1	0.0	0.0
Del Rio	944	64	71	28.91	29.87	+.02	80.2	−3.2	97	28	88	63	11	72	24	71	67	70	2.19	−0.4	8	6,991	se.	22	se.	3	11	11	8	5.2	0.0	0.0
Roswell	3,566	75	85	26.30	29.81	+.01	76.6	+0.3	103	28	91	54	1	63	40	61	51	51	1.72	0.0	4	5,827	s.	34	n.	6	18	10	2	3.1	0.0	0.0
Southern Plateau							76.1	+1.9										33	0.21	−0.1										1.8		
El Paso	3,778	152	175	26.10	29.76	+.01	81.6	+2.0	105	30	94	54	10	69	35	59	42	31	0.53	0.0	4	5,846	e.	36	nw.	10	20	10	0	2.6	0.0	0.0
Santa Fe	7,013	38	53	23.28	29.77	−.04	67.1	+2.3	90	13	81	34	1	53	38	49	34	37	0.37	−0.7	3	4,157	se.	23	sw.	22	18	11	1	2.9	0.0	0.0
Flagstaff	6,907	10	59	23.38	29.79	+.01	61.2	+1.9	90	13	80	27	1	42	45	44		37	0.18		2	5,376	n.	28	ne.	16	17	11	2		0.0	0.0
Phoenix	1,108	10	107	28.60	29.71	−.03	86.8	+2.3	110	30	102	57	1	71	43	61	41	25	0.16	+0.1	3	3,675	w.	36	e.	16	26	3	1	1.3	0.0	0.0
Yuma	141	9	54	29.58	29.72	−.02	84.3	−0.4	111	7	102	55	1	66	46	63	48	37	T.	0.0	0	3,103	sw.	18	s.	12	30	0	0	0.4	0.0	0.0
Independence	3,957	6	27	25.87	29.81	+.03	75.5	+3.2	102	11	92	48	1	59	42	52			0.00	−0.1	0		nw.				25	5	0		0.0	0.0
Middle Plateau							67.2	+2.0										32	0.28	−0.2										1.9		
Reno	4,532	74	81	25.43	29.85	−.01	65.8	+4.8	97	15	84	38	2	48	47	48	34	39	T.	−0.3	0	4,701	w.	29	w.	21	26	4	0	1.3	0.0	0.0
Tonopah	6,090	12	20				68.2		91	15	80	40	2	56	30	48	29	26	0.12		1		nw.									
Winnemucca	4,344	18	56	25.58	29.91	+.03	64.2	+1.4	95	15	82	36	3	47	47	47	32	38	0.06	−0.7	2	4,254	sw.	28	s.	19	25	4	1	1.5	0.0	0.0
Modena	5,473	10	43	24.58	29.81	−.01	65.0	+1.7	93	11	83	33	1	47	46	46	26	29	0.71	+0.4	2	6,962	sw.	37	w.	17	18	10	2	2.3	0.0	0.0
Salt Lake City	4,360	163	203	25.58	29.86	+.01	68.9	+1.5	96	16	81	47	1	57	38	50	33	31	0.32	−0.5	3	4,965	nw.	32	nw.	2	21	7	2	1.9	0.0	0.0
Grand Junction	4,602	60	68	25.32	29.82	−.01	72.0	+0.6	98	27	87	46	1	57	39	51	31	29	0.31	−0.1	3	3,815	se.	22	s.	2	21	6	3	2.3	0.0	0.0
Northern Plateau							63.0	−0.7										46	0.80	−0.4										3.9		
Baker	3,471	48	53	26.45	30.01	+.06	56.3	−2.3	88	30	71	33	3	41	47	46	38	50	0.86	−0.5	6	3,460	se.	18	n.	11	14	9	7	4.2	0.0	0.0
Boise	2,739	78	86	27.12	29.95	+.04	64.4	−0.9	94	16	79	36	3	50	43	50	36	43	0.20	−0.7	4	3,649	nw.	20	nw.	23	18	8	4	3.4	0.0	0.0
Lewiston	757	40	48	29.16	29.96	+.02	66.3	−0.3	94	15	79	47	15	53	47				0.90	−0.5	9	3,036	e.	25	nw.	11	12	14	4	4.1	0.0	0.0
Pocatello	4,477	60	68	25.45	29.89	+.02	63.8	+1.6	94	16	77	38	5	50	44	48	32	36	0.71	−0.4	6	5,616	sw.	33	sw.	13	19	7	4	3.1	0.0	0.0
Spokane	1,929	101	110	27.93	29.96	+.02	61.2	−1.6	88	15	74	42	3	49	40	50	40	53	1.52	+0.2	7	4,295	sw.	25	nw.	12	9	16	5	5.0	0.0	0.0
Walla Walla	991	57	65	28.91	29.97	+.01	65.8	−0.7	95	6	78	46	14	53	44	52	40	44	0.58	−0.5	5	3,068	s.	17	w.	12	17	9	4	3.7	0.0	0.0
North Pacific Coast Region							59.0	−0.6										67	1.11	−0.3										5.5		
North Head	211	11	56	29.87	30.10	+.11	54.6	−0.2	70	15	58	47	3	51	20	51	49	84	1.34	−0.9	11	9,120	n.	37	n.	16	7	9	14	6.2	0.0	0.0
Port Angeles	29	8	53		30.09		54.4		79	19	62	39	17	47	34				0.62	−0.3	6	4,729	w.	32	w.	15	6	10	14		0.0	0.0
Seattle	125	215	250	29.91	30.04	+.04	58.8	−0.2	86	15	67	45	3	51	32	52	47	68	1.71	+0.4	8	5,385	s.	35	sw.	15	5	14	11	6.2	0.0	0.0
Tacoma	194	172	201	29.86	30.06	+.03	59.3	+0.6	87	15	68	44	3	50	36				1.09	−0.4	8	5,504	n.	27	sw.	15	4	18	8	6.1	0.0	0.0
Tatoosh Island	86	9	53	29.97	30.06	+.04	52.7	−0.3	65	19	56	46	3	49	17	51	50	92	3.54	+0.3	17	6,804	s.	35	s.	20	6	3	21	7.4	0.0	0.0
Yakima	1,076	58	67	28.84	29.98		63.9	−2.5	90	9	77	40	3	51	39	50	38	45	0.44	−0.2	4	4,123	nw.	24	sw.	12	14	6	10	4.2	0.0	0.0
Medford	1,329	29	38	28.58	29.97		64.2		99	15	81	39	13	48	49	52	42	56	0.12	−0.6	3		nw.	25	nw.	6	18	7	5	3.0	0.0	0.0
Portland, Oreg.	153	68	106	29.90	30.05	+.01	62.2	−0.2	94	15	72	45	18	52	37	54	47	63	0.69	−0.8	5	3,743	nw.	20	sw.	15	5	9	16	6.7	0.0	0.0
Roseburg	510	75	99	29.50	30.05	+.02	61.2	−1.3	95	15	74	40	2	48	46	52	44	62	0.47	−0.6	4	3,169	n.	24	n.	17	13	13	4	4.0	0.0	0.0
Middle Pacific Coast Region							65.5	+1.1										63	0.03	−0.3										2.3		
Eureka	62	73	89	30.01	30.08	+.03	54.2	−0.1	63	3	59	44	13	49	15	51	48	83	0.13	−0.6	3	5,433	n.	26	nw.	11	12	10	8	5.0	0.0	0.0
Red Bluff	330	5	58	29.50	29.84	−.04	77.3	+2.5	106	14	93	54	22	62	40	58	42	35	0.00	−0.5	0	4,299	nw.	23	nw.	13	26	2	2	1.5	0.0	0.0
Sacramento	69	106	117	29.78	29.85	−.04	71.6	+2.2	104	10	88	48	26	55	47	58	49	58	T.	−0.2	0	5,309	s.	21	s.	18	28	1	1	0.7	0.0	0.0
San Francisco	155	208	243	29.75	29.92	−.04	59.9	+1.4	79	5	67	50	2	52	27	53	50	76	T.	−0.2	0	5,203	sw.	26	nw.	3	23	5	2	2.4	0.0	0.0
San Jose	141	12	110	29.78	29.93		64.6	−0.4	92	30	79	44	2	51	42				T.	−0.1	0	4,350	nw.	26	sw.	18	26	3	1	1.7	0.0	0.0
South Pacific Coast Region							69.6	+0.9										63	0.01	−0.1										3.1		
Fresno	327	89	98	29.49	29.83	−.02	76.6	+0.8	104	30	93	50	2	60	38	58	42	36	0.00	−0.1	0	5,746	nw.	21	nw.	7	29	1	0	0.4	0.0	0.0
Los Angeles	338	159	191	29.54	29.90	.00	67.6	+1.2	89	5	76	54	1	59	30	60	56	72	T.	−0.1	0	3,604	sw.	12	sw.	21	17	8	5	3.8	0.0	0.0
San Diego	87	62	70	29.80	29.90	−.02	64.6	+0.7	80	6	69	57	24	60	18	60	57	80	0.02	0.0	1	4,118	sw.	16	w.	7	13	7	10	5.2	0.0	0.0
West Indies																																
San Juan, P. R.	82	9	54	29.92	30.01		79.8	+0.1	89	14	84	72	7	75	15				2.38	−2.9	14	8,350	e.	29	e.	27	8	12	10	5.8	0.0	0.0
Panama Canal																																
Balboa Heights	118	6	97	[1] 29.72	[2] 29.82	−.01	79.4	−0.7	92	22	87	72	4	74	19			[2] 86	2.50	−5.5	13	3,641	nw.	22	s.	12	0	12	18	7.8	0.0	0.0
Cristobal	36	6	97	[1] 29.79	[2] 29.82	−.01	80.7	+0.3	90	20	87	74	20	77	16	77	75	[2] 82	9.40	−4.4	22	4,835	n.	28	n.	30	1	11	18	7.8	0.0	0.0
Alaska																																
Fairbanks	455	11	44	[1] 29.32	[1] 29.82		57.3		85	21	68	39	9	46	36				2.09		14	2,592	sw.				4	15	11	6.3	0.0	0.0
Juneau	80	11	50	[1] 29.87	[1] 29.96		52.6		82	21	60	38	12	45	33	47	42	73	3.78		17	4,361	w.	23	se.	5	7	6	17	6.6	0.0	0.0
Hawaiian Islands																																
Honolulu	38	86	100	[1] 29.99	[1] 30.03		76.2	−0.4	82	3	80	70	16	72	11	68	64	69	0.95	0.0	21	6,762	e.	24	e.	27	10	15	5	4.8	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, June, 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				51.8		61.9	41.7	78	21	4.47		0.0
Sydney, C. B. I.	48	29.90	29.95	0.00	65.2	+9.8	77.2	53.3			0.88	−2.35	0.0
Halifax, N. S.	88	29.88	29.98	+.03	64.2	+6.5	75.5	52.8	92	35	2.21	−1.55	0.0
Yarmouth, N. S.	65												
Charlottetown, P. E. I.	38	29.83	29.87	−.05	67.2	+9.8	75.8	58.6	87	38	1.46	−1.21	0.0
Chatham, N. B.	28	29.79	29.82	−.07	65.9	+5.9	76.8	55.0	91	37	4.07	+0.61	0.0
Father Point, Que.	20												
Quebec, Que.	296	29.57	29.89	−.03	64.7	+3.5	73.8	55.6	87	42	4.67	+1.02	T.
Doucet, Que.	1,236				61.1		71.5	50.7	86	28	7.78		0.0
Montreal, Que.	187	29.66	29.86	−.08	69.4	+4.5	78.4	60.3	90	48	4.42	+0.89	0.0
Ottawa, Ont.	236	29.60	29.86	−.08	67.8	+2.5	78.0	57.6	89	42	4.67	+1.75	0.0
Kingston, Ont.	285												
Toronto, Ont.	379	29.50	29.89	−.08	66.9	+3.5	76.9	56.9	91	46	2.43	−0.37	0.0
Cochrane, Ont.	930				60.5		70.8	50.2	83	36	5.22		0.0
White River, Ont.	1,244	28.53	29.81	−.13	58.8	+0.1	73.0	44.7	85	29	3.55	+1.33	0.0
London, Ont.	808												
Southampton, Ont.	656												
Parry Sound, Ont.	688	29.19	29.87	−.09	64.1	+2.4	73.1	55.1	85	43	4.30	+1.88	0.0
Port Arthur, Ont.	644												
Winnipeg, Man.	760												
Minnedosa, Man.	1,690												
Le Pas, Man.	860				62.2		74.1	50.4	85	34	3.28		0.0
Qu'Appelle, Sask.	2,115	27.58	29.79	−.08	59.0	−0.9	69.4	48.6	81	33	4.55	+1.13	0.0
Moose Jaw, Sask.	1,759				62.4		75.2	49.7	87	36	2.31		0.0
Swift Current, Sask.	2,392	27.28	29.75	−.12	60.6	+0.6	74.6	46.5	92	34	4.05	+1.38	0.0
Medicine Hat, Alb.	2,144	27.53	29.75	−.10	62.8	+0.8	75.2	50.4	96	36	2.14	−0.62	0.0
Calgary, Alb.	3,428												
Banff, Alb.	4,521	25.33	29.84	.00	51.8	+0.3	63.8	39.7	78	31	2.31	−1.02	0.0
Prince Albert, Sask.	1,450	28.23	29.78	−.09	60.8	+3.1	71.2	50.3	92	33	4.08	+1.57	0.0
Battleford, Sask.	1,592	28.05	29.76	−.10	60.1	+0.6	70.6	49.6	93	36	4.11	+0.80	0.0
Edmonton, Alb.	2,150	27.52	29.76	−.08	57.5	+0.6	68.6	46.4	90	30	2.59	−0.27	0.0
Kamloops, B. C.	1,262												
Victoria, B. C.	230	29.78	30.03	+.02	56.6	+0.3	63.9	49.4	82	45	0.66	−0.54	0.0
Barkerville, B. C.	4,180												
Estevan Point, B. C.	20												
Prince Rupert, B. C.	170												
Hamilton, Ber.	151												
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Winnipeg, Man.	760	29.09	29.92	−.04	50.4	−1.2	60.1	40.7	91	26	4.11	+1.83	0.1
Medicine Hat, Alb.	2,144	27.54	29.78	−.11	55.0	+0.9	67.6	42.4	82	31	1.33	+0.02	T.
Calgary, Alb.	3,428	26.40	29.97	+.09	47.0	−2.0	58.5	35.5	74	28	1.19	−0.58	0.0
Kamloops, B. C.	1,262	28.60	29.88	−.01	55.6	−3.5	66.3	44.9	82	33	0.60	−0.64	0.0
Estevan Point, B. C.	20				47.8		54.6	41.0	60	33	3.56		0.0
Prince Rupert, B. C.	170				46.6		53.8	39.4	68	34	4.00		0.0