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, July, 1924

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	79.8	−0.2	2 stations	103	[2] 22	Valley Head	49	1	3.45	−2.13	Alaga	10.59	Calera	0.57
Arizona	79.7	+0.2	3 stations	115	31	2 stations	34	[2] 12	1.82	−0.71	Blue	6.77	3 stations	0.00
Arkansas	79.0	−0.9	Pine Bluff	110	[2] 23	Corning	40	1	2.35	−1.57	Eureka Springs	9.46	2 stations	0.00
California	71.3	−1.9	Greenland Ranch	124	1	Helm Creek	26	30	0.01	−0.07	Seven Oaks	1.34	203 stations	0.00
Colorado	65.7	−0.3	2 stations	104	[2] 8	Corona	18	29	1.26	−1.09	Yuma	4.54	3 stations	T.
Florida	81.4	+0.3	New Smyrna	101	25	Cottage Hill	59	5	9.76	+2.96	Bartow	16.91	Sand Key	1.12
Georgia	79.9	−0.2	2 stations	104	23	Blue Ridge	49	3	5.62	−0.15	Valdosta	12.99	Tallapoosa	1.11
Hawaii	73.6	−0.2	Kipahulu	94	14	Kula Sanitarium	50	8	6.15	−0.06	Puu Kukui (upper)	29.00	2 stations	0.00
Idaho	68.0	+0.2	Weiser	115	2	Stanley	17	30	0.50	−0.21	Pocatello	1.67	4 stations	0.00
Illinois	71.9	−4.0	Mount Carmel	101	[2] 21	2 stations	41	3	3.33	−0.11	La Harpe	8.51	Paris	0.65
Indiana	71.8	−3.5	Collegeville	99	29	do	42	[2] 2	1.92	−1.53	Logansport	5.60	Huntington	0.44
Iowa	70.2	−3.6	Clinton	99	21	do	41	[2] 1	3.67	−0.17	Olin	8.90	Milford	0.57
Kansas	75.6	−2.6	2 stations	109	[2] 16	5 stations	42	[2] 2	3.69	+0.27	Fort Scott	10.36	Goodland	0.30
Kentucky	73.4	−3.5	Bowling Green	99	22	Berea	45	1	3.67	−0.50	Taylorsville	6.38	Leitchfield	0.89
Louisiana	82.2	+0.6	Dodson	109	24	Minden	50	4	1.53	−4.89	Delta Farms	4.63	2 stations	0.00
Maryland-Delaware	73.0	−2.2	Frederick, Md	100	30	Freeland, Md	42	19	2.48	−1.86	Oakland, Md	5.95	Coleman, Md	0.29
Michigan	65.5	−3.0	Flint	100	23	Ewen	29	17	3.48	+0.53	East Tawas	6.80	Detroit	0.78
Minnesota	66.4	−2.7	4 stations	95	[2] 22	3 stations	34	[2] 2	2.77	−0.78	Cloquet	6.98	Winnebago	0.75
Mississippi	81.2	+0.3	Monticello	108	24	do	50	[2] 2	1.71	−3.46	Merrill	6.20	Natchez	T.
Missouri	73.3	−4.1	Caruthersville	103	24	Hollister	40	[2] 3	5.39	+1.34	New Madrid	14.52	Kirksville	2.14
Montana	66.1	−0.1	3 stations	106	2	2 stations	27	[2] 7	1.12	−0.31	Hebgen Dam	3.22	Forsyth	0.15
Nebraska	71.7	−2.6	Alma	105	16	Gordon	37	25	3.76	+0.33	Cairo	8.66	Scottsbluff	0.49
Nevada	73.0	+0.3	Pahrump	117	1	Millett	31	18	0.16	−0.23	Arthur	0.91	12 stations	0.00
New England	68.7	−0.2	New Bedford, Mass.	99	23	Van Buren, Me	35	27	2.19	−1.58	Garfield, Vt	7.37	Block Island, R. I.	0.32
New Jersey	71.6	−1.6	Little Falls	98	30	2 stations	41	[2] 19	2.59	−2.05	Somerville	5.08	Belle Plain	0.84
New Mexico	71.7	−0.6	Jal	108	12	Lee's Ranch	30	22	2.92	+0.28	Pinos Altos (near)	11.02	Glenrio	0.12
New York	68.0	−2.0	Port Jervis	98	29	Gabriels	31	26	3.38	−0.44	Dannemora	8.98	Medford	0.34
North Carolina	74.5	−1.6	Kinston	100	25	Mount Mitchell	40	1	6.42	+0.17	Rock House	14.83	Murphy	1.62
North Dakota	65.5	−2.0	Beach	99	28	Hansboro	32	[2] 13	1.95	−0.66	Stanton	3.97	McHenry	0.57
Ohio	70.3	−3.3	Middleport	98	24	2 stations	41	[2] 2	2.84	−1.10	Clarington	6.15	New Bremen	0.71
Oklahoma	79.6	−1.4	Beaver	111	20	Goodwell	45	5	2.89	+0.02	Broken Arrow	7.57	2 stations	0.00
Oregon	65.6	+0.1	McMinnville	110	24	Fremont	23	[2] 15	0.13	−0.40	Cove	1.01	28 stations	0.00
Pennsylvania	69.7	−2.3	3 stations	97	30	2 stations	34	19	3.42	−0.79	Huntingdon	7.12	Pottstown	0.71
Porto Rico	78.7	−0.1	2 stations	98	[2] 1	do	58	[2] 1	6.16	−0.49	Rio Grande	13.06	Potala	2.00
South Carolina	78.6	−1.1	Garnett	103	23	Walhalla	56	26	6.93	+0.97	Georgetown	17.03	Winnsboro	2.76
South Dakota	69.2	−2.4	Pukwana	104	15	2 stations	35	[2] 3	1.68	−1.16	Menno	5.79	White Lake	0.34
Tennessee	75.7	−1.7	Brownsville	103	22	Crossville	42	2	3.81	−0.77	Copperhill	7.99	Covington	0.28
Texas	82.6	−0.3	Encinal	109	24	Miami	45	5	0.94	−1.79	Muleshoe	8.13	18 stations	0.00
Utah	71.5	+0.4	St. George	110	6	Woodruff	29	21	0.89	−0.01	Lowder ranger station	4.51	2 stations	T.
Virginia	72.7	−2.6	Danville	100	22	Burkes Garden	38	18	3.61	−0.98	Diamond Springs	6.25	Manassas	0.96
Washington	66.7	+0.5	Trinidad	113	1	Paradise Inn	20	7	0.50	−0.17	Cedar Lake	2.18	4 stations	0.00
West Virginia	70.0	−2.8	Martinsburg	99	30	Cheat Bridge	36	18	4.49	−0.17	Pickens	7.63	Harpers Ferry	1.65
Wisconsin	66.2	−3.2	Prairie du Chien	95	10	Long Lake	29	2	3.58	−0.13	Koepenick	6.10	Merrill	1.67
Wyoming	64.8	−0.8	Basin	101	15	South Pass City	21	21	0.89	−0.36	Buffalo	5.02	2 stations	T.

[1] For description of tables and charts, see REVIEW.

[2] Other dates also.

TABLE 1.—*Climatological data for Weather Bureau stations, July, 1924*

Districts and stations	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station, reduced to mean of 24 hours	Pressure: Sea level, reduced to mean of 24 hours	Pressure: Departure from normal	Temperature of the air: Mean max. + mean min. ÷ 2	Temperature of the air: Departure from normal	Temperature of the air: Maximum	Temperature of the air: Date	Temperature of the air: Mean maximum	Temperature of the air: Minimum	Temperature of the air: Date	Temperature of the air: Mean minimum	Temperature of the air: Greatest daily range	Mean wet thermometer	Mean temperature of the dew point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with 0.01, or more	Wind: Total movement	Wind: Prevailing direction	Wind: Maximum velocity: Miles per hour	Wind: Maximum velocity: Direction	Wind: Maximum velocity: Date	Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month
	Ft.	Ft.	Ft.	In.	In.	In.	°F.	°F.	°F		°F	°F.		°F	°F.	°F.	°F.	%	In.	In.		Miles								0-10	In.	In.
New England							68.9	0.0										75	1.79	−1.8										4.5		
Eastport	76	67	85	29.81	29.89	−.04	61.2	+0.8	84	12	71	46	6	52	28	56	53	80	3.29	−0.1	7	5,849	s.	24	sw.	15	7	14	10	6.0	0.0	0.0
Greenville, Me.	1,070	6		28.78	29.92		65.2		87	12	76	42	1	54	34				3.07		13		nw.				12	12	7		0.0	0.0
Portland, Me.	103	82	117	29.83	29.95	.00	68.5	+0.4	90	30	78	52	26	59	32	61	56	68	2.42	−0.8	8	6,158	s.	28	w.	18	15	10	6	4.2	0.0	0.0
Concord	288	70	79	29.64	29.94	−.02	69.8	+1.3	92	29	83	45	15	57	37				1.74	−2.0	7	3,679	w.	28	w.	17	18	10	3	3.1	0.0	0.0
Burlington	404	11	48	29.50	29.92	−.02	68.0	−2.3	89	29	78	46	15	58	31				1.99	−1.8	12	6,863	s.	40	nw.	25	11	9	11	5.8	0.0	0.0
Northfield	876	12	60	29.02	29.95	+.01	65.0	−0.9	88	29	78	40	15	52	36	62	60	82	3.27	−0.4	14	4,639	s.	30	sw.	25	9	11	11	5.6	0.0	0.0
Boston	125	115	188	29.82	29.95	−.01	73.8	+2.1	95	30	83	58	4	65	27	64	58	63	2.04	−1.3	7	6,736	sw.	34	w.	17	9	18	4	4.5	0.0	0.0
Nantucket	12	14	90	29.96	29.97	−.01	67.4	−0.4	83	24	74	56	6	61	20	63	62	87	1.78	−0.9	9	10,361	sw.	42	sw.	17	11	11	9	4.7	0.0	0.0
Block Island	26	11	46	29.95	29.98	+.01	67.6	−0.8	84	24	74	56	6	62	21	63	61	85	0.32	−3.0	8	9,554	sw.	34	w.	17	16	6	9	4.3	0.0	0.0
Providence	160	215	251	29.80	29.97	.00	72.2	−1.2	95	30	82	55	4	62	31	64	58	64	1.12	−2.4	4	5,777	sw.	58	nw.	30	15	12	4	3.8	0.0	0.0
Hartford	159	122	140	29.80	29.97	.00	72.6	+1.0	93	30	83	55	15	62	34				0.54	−3.6	4		s.				17	10	4	3.5	0.0	0.0
New Haven	106	74	153	29.86	29.97	.00	71.7	−0.1	94	30	80	55	18	63	26	64	59	68	1.17	−3.6	6	6,001	sw.	27	sw.	17	17	3	11	4.4	0.0	0.0
Middle Atlantic States							73.1	−1.6										70	2.91	−1.5										5.1		
Albany	97	102	115	29.86	29.96	.00	72.2	−0.4	91	29	82	55	20	62	29	64	60	69	2.25	−1.6	11	5,012	s.	30	s.	22	15	9	7	4.1	0.0	0.0
Binghamton	871	10	84	29.05	29.96	−.01	68.8	−1.2	90	29	80	46	20	58	34				3.91	+0.4	15	3,561	w.	20	w.	17	13	10	8	4.8	0.0	0.0
New York	314	414	454	29.66	29.99	+.01	72.6	−1.2	91	30	80	58	18	65	23	64	59	67	1.30	−3.2	8	10,452	s.	57	nw.	10	10	11	10	5.1	0.0	0.0
Harrisburg	374	94	104	29.61	30.00	+.02	73.4	−1.4	93	30	82	56	19	64	29	65	61	68	4.52	+0.6	10	3,934	w.	18	s.	7	11	9	11	5.1	0.0	0.0
Philadelphia	114	123	190	29.88	30.00	+.02	75.6	−0.6	94	30	84	60	18	67	23	66	61	65	3.18	−1.2	6	5,614	w.	29	n.	17	13	6	12	5.1	0.0	0.0
Reading	325	81	98	29.65	29.99		73.3		93	30	83	55	19	64	29	67	63	73	1.76	−2.5	8	3,993	nw.	22	nw.	17	15	11	5	4.2	0.0	0.0
Scranton	805	111	119	29.16	30.00	+.02	69.8	−1.9	91	29	81	49	15	59	33	66	63	78	3.65	−0.2	9	4,606	sw.	28	w.	17	9	14	8	5.2	0.0	0.0
Atlantic City	52	37	172	29.94	29.99	+.01	72.2	+0.1	92	30	79	56	18	66	23	67	64	78	1.45	−2.3	8	10,295	s.	48	nw.	17	16	10	5	3.6	0.0	0.0
Cape May	17	13	49	30.02	30.04	+.06	73.4	0.0	93	30	81	59	3	65	25	67	65	81	1.31	−2.5	6	4,478	s.	17	w.	10	16	10	5	3.9	0.0	0.0
Sandy Hook	22	10	55	29.97	29.99		72.6		91	30	80	60	19	66	24	65	62	76	1.22		8	8,628	s.	56	nw.	17	14	8	9	4.4	0.0	0.0
Trenton	190	159	183	29.80	30.00		73.2		94	30	83	55	19	64	28	65	62	69	4.21	−0.6	5	6,436	sw.	36	nw.	17	12	9	10	5.0	0.0	0.0
Baltimore	123	100	113	29.87	29.99	+.01	76.1	−1.1	95	30	84	60	19	68	23	68	63	66	1.99	−2.8	5	3,826	s.	17	s.	7	13	10	8	4.8	0.0	0.0
Washington	112	62	85	29.89	30.00	.00	75.0	−1.8	95	30	84	58	19	66	31	67	64	70	2.76	−1.9	9	3,694	nw.	24	nw.	17	13	11	7	4.4	0.0	0.0
Cape Henry	18	8	54	29.98	30.01		75.4		96	30	82	63	4	69	28	71	69	83	3.66	−2.2	9	7,450	se.	42	nw.	25	8	14	9	5.6	0.0	0.0
Lynchburg	681	153	188	29.28	30.01	.00	74.0	−3.5	93	30	84	55	18	64	33	67	65	76	3.74	−0.3	8	3,685	n.	37	nw.	17	9	15	7	4.8	0.0	0.0
Norfolk	91	170	205	29.93	30.02	+.02	76.6	−2.1	92	24	84	64	4	70	22	70	67	78	4.45	−1.4	11	7,189	s.	52	nw.	10	8	13	10	5.8	0.0	0.0
Richmond	144	11	52	29.87	30.02	+.01	75.1	−3.4	94	30	84	60	18	66	28	69	66	76	2.33	−2.1	10	4,217	s.	27	nw.	25	14	10	7	4.5	0.0	0.0
Wytheville	2,304	49	55	27.72	30.03	+.02	68.4	−4.2	86	23	78	50	18	59	28	63	61	82	3.13	−1.3	16	2,982	w.	17	w.	31	7	15	9	5.7	0.0	0.0
South Atlantic States							78.1	−1.0										81	7.86	+1.8										5.6		
Asheville	2,255	70	84	27.75	30.03	+.01	71.0	−0.7	87	22	80	56	26	62	26	65	63	84	5.70	+1.0	17	4,071	se.	38	n.	17	4	20	7	5.8	0.0	0.0
Charlotte	779	55	62	29.20	30.02	.00	77.0	−1.4	96	22	86	60	1	68	27	69	66	75	3.01	−2.5	12	2,598	n.	23	nw.	10	9	9	13	5.9	0.0	0.0
Hatteras	11	11	50	30.00	30.01	.00	76.8	−1.4	88	25	82	67	4	72	17	73	71	83	12.10	+6.0	18	8,851	sw.	43	nw.	25	9	11	11	5.5	0.0	0.0
Manteo	12	5	42				76.8		94	25		58	19		26				4.54		6		s.				14	4	13		0.0	0.0
Raleigh	376	103	110	29.63	30.01	−.01	76.2	−2.6	93	23	85	61	3	68	27	69	67	79	5.59	−0.5	15	4,437	e.	37	n.	25	9	13	9	5.5	0.0	0.0
Wilmington	78	81	91	29.94	30.03	+.02	77.9	−1.2	95	23	85	62	29	70	26	73	71	82	13.82	+6.8	14	4,565	sw.	24	s.	15	9	15	7	5.2	0.0	0.0
Charleston	48	11	92	29.97	30.02	−.01	81.2	−0.2	95	31	88	68	3	75	20	76	75	86	6.59	−0.7	16	6,474	sw.	35	nw.	23	7	12	12	5.8	0.0	0.0
Columbia, S. C.	351	41	57	29.65	30.02	.00	79.6	−1.3	98	25	88	65	3	71	26	73	71	84	6.00	−0.1	19	3,668	ne.	19	nw.	25	10	12	9	5.5	0.0	0.0
Due West	711	10	55	29.28	30.04		77.7		96	23	87	61	4	68	29				5.29		10	4,561	sw.	27	nw.	31	8	14	9	5.7	0.0	0.0
Greenville, S. C.	1,039	113	122	28.94	30.01		76.5	−0.4	93	22	85	60	4	68	25	70	67	78	5.95		16	4,598	e.	39	n.	17	10	12	9	5.2	0.0	0.0
Augusta	180	62	77	29.82	30.00	−.02	81.0	−0.3	100	23	90	65	3	72	28	73	71	77	5.57	+0.3	12	3,199	s.	33	n.	19	12	11	8	4.9	0.0	0.0
Savannah	65	150	194	29.94	30.01	−.02	81.2	−0.3	99	23	90	68	3	73	25	74	72	82	8.09	+1.9	16	6,484	sw.	42	w.	24	11	9	11	5.3	0.0	0.0
Jacksonville	43	209	245	29.98	30.03	.00	81.2	−0.9	94	24	89	68	12	73	22	74	72	83	12.17	+6.0	18	6,728	sw.	41	w.	12	6	8	17	6.7	0.0	0.0
Florida Peninsula							82.8	+0.6										76	6.95	+0.9										5.8		
Key West	22	10	64	29.99	30.02	−.01	84.6	+1.1	92	24	90	75	26	79	15	76	74	72	2.02	−1.6	13	6,368	se.	39	sw.	26	7	21	3	4.8	0.0	0.0
Miami	25	71	79	30.01	30.04		82.0	+0.1	94	17	88	71	18	76	19	76	74	76	8.31	+2.1	19	4,934	se.	31	nw.	18	6	16	9	6.0	0.0	0.0
Sand Key	23	39	72	30.00	30.03	.00	82.4		88	29	85	73	27	80	12	76	73	72	1.12		8	8,165	se.	39	se.	30	11	15	5	4.7	0.0	0.0
Tampa	35	79	87	29.99	30.02	−.02	81.9	+0.7	94	20	89	70	7	74	22	75	74	82	10.52	+2.1	17	3,670	e.	26	e.	29	0	14	17	7.5	0.0	0.0
East Gulf States							80.5	−0.1										74	3.58	−1.7										4.7		
Atlanta	1,174	190	216	28.82	30.03	+.01	78.2	+0.1	97	22	87	61	3	70	22	70	67	74	4.82	+0.1	14	5,768	nw.	40	nw.	14	12	6	13	5.4	0.0	0.0
Macon	370	78	87	29.62	30.01	−.01	80.0	−1.2	99	23	90	65	27	70	27	72	69	74	2.08	−2.6	13	3,357	n.	33	nw.	25	8	10	13	5.7	0.0	0.0
Thomasville	273	49	58	29.73	30.02	−.01	80.4	−1.4	97	20	90	65	3	71	25	73	71	80	4.51	−0.8	20	2,385	sw.	19	sw.	25	3	13	15	7.1	0.0	0.0
Apalachicola	36	42	49	29.97	30.01		80.9		92	23	87	70	11	74	20	76	74	82	7.17		16	4,197	w.	31	n.	23	9	16	6	5.1	0.0	0.0
Pensacola	56	149	185	29.96	30.02	+.02	80.2	−0.8	95	20	87	64	2	74	20	74	72	78	8.40	+1.1	12	7,493	s.	49	ne.	16	6	16	9	5.5	0.0	0.0
Anniston	741	9	57	29.27	30.05	+.03	78.4	+0.5	98	22	90	55	2	66	33				1.20	−3.5	9	2,635	n.	24	nw.	16	15	14	2	3.5	0.0	0.0
Birmingham	700	11	48	29.29	30.04	+.03	79.8	−0.4	99	22	90	57	2	69	27	69	66	70	1.69	−3.0	8	3,431	n.	29	nw.	16	17	12	2	3.5	0.0	0.0
Mobile	57	125	161	29.96	30.02	+.01	82.0	+1.3	100	23	91	62	3	73	26	74	71	75	4.31	−2.7	11	5,892	sw.	38	nw.	25	7	21	3	4.9	0.0	0.0
Montgomery	223	100	112	29.78	30.02	.00	81.0	−0.7	99	23	91	63	2	71	28	73	71	78	6.58	+1.9	10	3,793	se.	33	nw.	14	12	14	5	4.6	0.0	0.0
Corinth	469	6					79.7		101	22	92	54	3	68	32				0.48		5		s.				11	20			0.0	0.0
Meridian	375	85	93	29.62	30.00	−.02	80.4	0.0	100	23	91	57	3	70	28	71	66	68	2.99	−1.5	7	3,240	sw.	23	sw.	12	21	9	1	3.3	0.0	0.0
Vicksburg	247	65	73	29.76	30.04	+.04	81.6	+0.3	100	24	91	59	2	72	23	71	67	68	0.22	−4.2	3	4,030	sw.	19	w.	16	17	12	2	3.6	0.0	0.0
New Orleans	53	76	84	29.96	30.01	+.01	84.0	+1.6	100	24	92	68	2	76	29	74	70	68	2.56	−3.9	10	4,264	sw.	25	sw.	18	8	21	2	4.5	0.0	0.0
West Gulf States							81.8	−0.7										67	0.49	−2.6										3.4		
Shreveport	249	77	93	29.74	30.00	+.02	83.8	+0.6	104	24	94	60	6	73	28	70	64	57	T.	−3.7	0	4,727	s.	20	s.	20	24	7	0	2.3	0.0	0.0
Bentonville	1,303	11	44				74.6	−3.9	94	23	85	49	3	64	28				6.94		11	2,818	s.	18	s.	12	19	5	7		0.0	0.0
Fort Smith	457	79	94	29.51	29.98	+.01	81.0	−0.5	101	24	91	57	2	71	27	70	65	63	1.38	−2.5	6	4,728	e.	24	nw.	18	11	12	8	5.0	0.0	0.0
Little Rock	357	136	144	29.63	30.00	+.01	79.9	−1.0	100	23	90	58	2	70	27	69	65	64	1.25	−2.7	6	4,918	s.	48	sw.	15	16	9	6	3.9	0.0	0.0
Brownsville	57	53	61	29.89	29.96		83.1	−0.5	96	25	90	68	4	76	21	75	73	79	1.40		5	6,471	s.	24	s.	19	21	9	1	2.8	0.0	0.0
Corpus Christi	20	11	73	29.98	30.00	+.04	82.6	−0.1	91	16	88	71	3	77	16	76	74	79	0.66	−1.0	2	10,388	s.	35	se.	18	18	10	3	3.7	0.0	0.0
Dallas	512	109	117	29.46	30.00		83.7		102	24	94	56	5	74	27				0.47		2	6,315	s.	31	ne.	10	17	11	3	3.7	0.0	0.0
Fort Worth	670	106	114	29.26	29.95	−.01	83.6	0.0	102	24	94	56	5	74	26	70	63	57	0.96	−2.1	2	7,413	s.	27	se.	10	16	9	6	4.0	0.0	0.0
Galveston	54	106	114	29.97	30.03	+.05	82.7	−0.7	95	25	87	69	5	78	18	75	72	75	T.	−4.0	0	7,222	s	23	s.	19	26	4	1	1.9	0.0	0.0
Groesbeck	461	11	56	29.52	29.99		82.0		99	24	93	59	6	71	33				0.19		1	7,344	s.	34	sw.	19	17	12	2	3.7	0.0	0.0
Houston	138	111	121	29.87	30.01		83.0	−0.7	101	25	92	66	5	74	27				2.60		6	4,487	s.	21	ne.	25	15	16	0	3.6	0.0	0.0
Palestine	510	64	72	29.48	30.00	+.03	81.8	−0.4	99	24	92	60	4	72	30	71	66	63	0.07	−2.9	1	5,211	s.	22	sw.	19	14	16	1	3.6	0.0	0.0
Port Arthur	34	58	66	29.97	30.01		82.6		97	24	90	64	3	76	21	74	70	71	0.35		3	6,278	s.	24	s.	18	26	5	0	1.8	0.0	0.0
San Antonio	693	119	132	29.26	29.98	+.03	82.5	−1.3	101	25	92	64	2	72	30	71	67	65	0.05	−2.2	1	5,922	se.	28	e.	26	19	12	0	3.1	0.0	0.0
Taylor	583	55	63	29.42	30.03	+.07	83.2	+0.5	101	25	93	62	5	73	29				0.01	−2.6	1	6,927	s.	26	s.	19	12	18	1	4.0	0.0	0.0

TABLE 1.—*Climatological data for Weather Bureau stations, July, 1924*—Continued

Districts and stations	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.
Ohio Valley and Tennessee							**73.7**	**−2.7**										**68**	**2.80**	**−1.2**										**4.8**		
Chattanooga	762	189	213	29.21	30.00	−.02	77.6	−0.8	96	22	87	60	2	68	25	68	64	68	2.92	−1.0	12	3,950	w.	38	nw.	23	12	14	5	4.7	0.0	0.0
Knoxville	996	102	111	28.98	30.01	−.01	75.6	−1.5	94	22	85	59	3	66	27	68	65	74	2.45	−1.8	12	3,427	ne.	20	n.	4	5	11	15	6.7	0.0	0.0
Memphis	399	76	97	29.60	30.01	+.01	79.8	−0.9	97	22	88	59	4	72	26	69	64	62	0.99	−2.5	5	4,637	n.	31	n.	24	18	9	4	3.7	0.0	0.0
Nashville	546	168	191	29.46	30.04	+.03	76.5	−2.6	94	21	86	55	2	67	29	68	64	69	4.36	0.0	8	4,944	nw.	36	nw.	17	16	10	5	4.1	0.0	0.0
Lexington	989	193	230	28.98	30.03	+.02	73.2	−2.7	90	22	82	53	3	65	22				2.77	−1.7	9	7,510	sw.	38	sw.	12	15	11	5	4.2	0.0	0.0
Louisville	525	188	234	29.46	30.04	+.04	74.7	−3.9	93	21	84	55	3	66	23	65	60	65	1.47	−2.3	8	5,808	n.	28	sw.	14	11	16	4	4.4	0.0	0.0
Evansville	431	139	175	29.57	30.03	+.03	75.6	−3.3	95	21	85	54	2	66	24	67	62	65	2.70	−1.1	7	5,946	sw.	40	w.	14	5	21	5	5.3	0.0	0.0
Indianapolis	822	194	230	29.15	30.02	+.03	72.9	−2.8	91	20	82	51	3	64	25	64	58	64	1.75	−2.4	9	6,636	s.	42	s.	27	9	19	3	4.7	0.0	0.0
Royal Center	736	11	55	29.23	30.02		68.8		90	20	80	46	3	58	30				3.64		10	5,113	sw.	38	se.	27	8	14	9	5.6	0.0	0.0
Terre Haute	575	96	129	29.40	30.01		73.4		93	21	83	52	3	64	26	64	59	64	1.24		7	5,547	s.	24	nw.	24	4	21	6	5.5	0.0	0.0
Cincinnati	628	11	51	29.36	30.02	+.02	72.4	−2.7	92	30	83	50	3	62	27		63	70	1.29	−2.2	9	3,789	sw.	36	s.	12	13	14	4	4.7	0.0	0.0
Columbus	824	179	222	29.17	30.03	+.03	71.4	−3.5	91	29	81	50	3	62	24	64	59	68	2.98	−0.7	8	5,589	s.	46	nw.	30	16	9	6	4.3	0.0	0.0
Dayton	899	137	173	29.07	30.00		72.0	−3.4	90	30	82	50	3	62	26	63	58	64	2.78	−0.5	9	5,136	sw.	37	w.	30	13	17	1	3.9	0.0	0.0
Elkins	1,947	59	67	28.04	30.04	+.03	67.2	−3.1	87	21	79	46	18	56	33	61	60	84	5.86	+1.2	15	2,628	w.	28	n.	31	5	17	9	5.9	0.0	0.0
Parkersburg	638	77	84	29.39	30.04	+.03	72.6	−2.8	93	29	84	52	18	62	31	64	60	70	3.75	−0.9	13	2,823	se.	45	w.	4	14	9	8	4.6	0.0	0.0
Pittsburgh	842	353	410	29.13	30.01	+.01	71.1	−3.5	89	29	81	52	2	61	28	63	59	71	3.10	−1.3	12	5,766	sw.	44	w.	12	11	11	9	4.8	0.0	0.0
Lower Lake Region							**69.1**	**−2.5**										**67**	**3.06**	**−0.3**										**4.2**		
Buffalo	767	247	280	29.18	29.99	+.02	67.6	−2.2	88	21	75	50	18	60	25	61	58	73	4.10	+0.7	12	10,790	sw.	60	w.	12	14	10	7	4.6	0.0	0.0
Canton	448	10	61	29.45	29.92		67.4	−3.1	87	21	78	47	26	57	31				2.87	−0.4	12	6,481	sw.	36	nw.	17	19	9	3	3.4	0.0	0.0
Oswego	335	76	91	29.60	29.98	.00	66.7	−3.7	87	12	74	50	2	59	26	61	57	72	2.43	−0.8	13	5,713	w.	27	nw	25	16	7	8	4.1	0.0	0.0
Rochester	523	86	102	29.43	29.99	+.02	69.0	−1.7	89	12	78	50	2	60	28	61	56	66	3.98	+0.9	13	5,454	w	29	w.	12	14	10	7	4.6	0.0	0.0
Syracuse	597	97	113	29.35	30.00	+.03	68.9	−1.9	88	29	78	50	2	60	26				4.95	+1.3	11	5,085	s.	36	w.	16	11	11	9	5.2	0.0	0.0
Erie	714	130	166	29.24	30.00	+.02	69.1	−1.9	90	21	77	51	2	61	26	63	59	69	3.38	+0.2	13	8,241	nw.	47	sw.	12	13	13	5	4.4	0.0	0.0
Cleveland	762	190	201	29.20	30.01	+.02	69.2	−2.2	88	28	76	51	19	62	27	62	58	66	3.10	−0.4	11	7,654	n.	46	nw.	12	14	11	6	4.4	0.0	0.0
Sandusky	629	62	70	29.34	30.01	+.02	70.8	−2.6	91	29	79	53	1	63	26				2.35	−1.4	12	4,948	sw.	41	nw.	24	12	13	6	4.4	0.0	0.0
Toledo	628	208	243	29.34	30.01	+.02	70.6	−2.6	91	29	80	50	1	61	24	62	57	64	2.63	−0.6	13	8,605	sw.	52	sw.	28	21	5	5	3.2	0.0	0.0
Fort Wayne	856	113	124	29.12	30.03		70.4	−3.1	90	29	80	51	1	61	26	62	58	67	1.20		7	5,230	sw.	26	nw.	24	10	13	8	4.9	0.0	0.0
Detroit	730	218	258	29.24	30.02	+.04	69.9	−2.2	90	23	79	52	2	61	24	61	55	62	0.78	−2.7	6	6,675	sw.	30	w.	24	19	7	5	3.4	0.0	0.0
Upper Lake Region							**65.2**	**−3.1**										**72**	**3.33**	**+0.2**										**4.2**		
Alpena	609	13	92	29.33	29.99	+.02	63.1	−2.8	87	23	72	44	18	54	34	59	55	74	4.25	+1.2	11	7,304	nw.	34	nw.	10	6	18	7	5.7	0.0	0.0
Escanaba	612	54	60	29.32	29.98	+.01	62.4	−3.6	86	22	70	42	18	54	26	58	54	76	2.76	−0.6	14	6,514	s.	32	ne.	30	12	8	11	4.7	0.0	0.0
Grand Haven	632	54	80	29.32	29.99	+.01	64.6	−4.1	84	21	72	45	18	57	24	60	56	73	2.93	+0.4	10	6,652	s.	26	w.	21	15	11	5	4.1	0.0	0.0
Grand Rapids	707	70	87	29.25	30.01	+.03	68.9	−3.7	90	21	79	47	18	59	28	61	56	65	3.37	+0.7	12	3,485	w.	18	nw.	21	10	8	13	5.3	0.0	0.0
Houghton	668	62	99	29.24	29.96	.00	61.8	−3.7	89	11	73	42	31	52	32				3.43	+0.3	10	6,932	w.	36	w.	12	12	11	8	5.1	0.0	0.0
Lansing	878	11	62	29.07	30.00		67.4	−3.5	90	23	79	45	18	56	33	61	57	74	2.68	−0.5	14	2,998	w.	24	sw.	27	15	11	5	4.3	0.0	0.0
Ludington	637	60	66	29.31	30.00	+.04	62.4		83	21	70	45	3	55	26	58	55	76	3.80		9	6,376	s.	32	nw.	21	18	6	7	3.7	0.0	0.0
Marquette	734	77	111	29.20	30.00	+.04	61.8	−3.1	89	•11	70	43	3	54	26	57	53	74	1.55	−1.6	13	6,151	nw.	29	w.	22	7	10	14	6.2	0.0	0.0
Port Huron	638	70	120	29.31	30.00	+.02	67.1	−1.7	90	23	76	47	2	58	27	61	57	72	3.18	+0.4	10	6,933	ne.	31	sw.	9	15	12	4	3.5	0.0	0.0
Saginaw	641	69	77	29.31	30.00		67.2	−3.9	92	23	78	45	18	56	30	61	56	69	5.19	+1.5	11	5,167	sw.	29	sw.	9	10	12	9	5.6	0.0	0.0
Sault Sainte Marie	614	11	52	29.28	29.97	.00	61.7	−2.1	84	11	72	44	2	52	37	57	53	75	2.26	−0.5	12	4,961	nw.	32	nw.	22	7	19	5	5.2	0.0	0.0
Chicago	823	140	310	29.15	30.02	+.04	70.2	−3.7	91	28	77	53	1	64	24	62	57	64	3.66	0.0	10	6,840	ne.	32	nw.	24	13	8	10	4.5	0.0	0.0
Green Bay	617	109	144	29.31	29.97	.00	66.8	−3.2	88	28	77	47	1	57	29	61	57	73	2.96	−0.6	9	6,682	s.	40	n.	30	8	14	9	5.5	0.0	0.0
Milwaukee	681	125	139	29.27	30.00	+.03	67.6	−2.5	89	23	75	49	1	60	25	61	57	69	2.49	−0.5	8	6,151	w.	47	n.	21	15	6	10	4.6	0.0	0.0
Duluth	1,133	11	47	28.78	29.98	+.03	62.4	−1.5	85	11	73	42	31	52	32	57	54	81	5.87	+2.2	11	7,228	ne.	58	w.	11	11	13	7	4.8	0.0	0.0
North Dakota							**66.8**	**−1.9**										**64**	**1.54**	**−1.4**										**3.4**		
Moorhead	940	50	58	28.95	29.95	+.01	66.6	−1.5	90	29	78	45	13	55	35	60	54	66	1.25	−2.5	9	5,511	s.	23	nw.	12	21	8	2	2.6	0.0	0.0
Bismarck	1,674	8	57	28.22	29.98	+.05	67.5	−2.3	91	15	80	47	13	56	38	59	52	62	1.40	−0.7	8	6,373	nw.	34	se.	20	17	9	5	3.8	0.0	0.0
Devils Lake	1,478	11	44	28.40	29.95	+.02	66.2	−1.9	89	15	78	39	13	54	34	58	52	65	1.31	−2.5	10	6,510	s.	32	nw.	27	16	12	3	3.7	0.0	0.0
Ellendale	1,457	10	56	28.43	29.97		66.7		93	29	80	43	17	53	44				1.53		5	9,387	s.	46	se.	18	16	11	4	3.6	0.0	0.0
Grand Forks	835	12	89				64.0		88	5	76	41	17	52	39				1.86		7		se.	35	sw.	21	21	5	5		0.0	0.0
Williston	1,878	41	48	27.97	29.91	−.01	66.9	−2.0	94	10	78	47	13	56	34	58	53	64	2.18	+0.2	11	5,174	se.	37	e.	16	17	10	4	3.4	0.0	0.0
Upper Mississippi Valley							**71.4**	**−3.7**										**70**	**3.12**	**−0.5**										**4.6**		
Minneapolis	918	102	208	28.98	29.95		69.9	−2.4	90	22	80	47	31	60	27				1.22	−2.6	10	6,986	nw.	29	nw.	9	12	13	6	4.4	0.0	0.0
St. Paul	837	236	261	29.08	29.98	+.03	69.0	−3.1	89	28	80	49	31	58	29				1.73	−1.7	10	7,488	sw.	38	s.	23	11	16	4	4.1	0.0	0.0
La Crosse	714	11	48	29.23	29.98	+.02	69.2	−3.6	91	28	80	47	2	58	33				1.94	−2.1	11	2,711	se.	19	nw.	20	10	17	4	4.7	0.0	0.0
Madison	974	70	78	28.98	30.00	+.03	68.3	−3.8	86	23	77	49	18	59	24	62	59	75	5.01	+1.0	12	4,990	sw.	35	ne.	25	9	15	7	5.2	0.0	0.0
Wausau	1,247	4		28.68	30.00		65.2		86	28	76	42	1	54	30				4.08		13		nw.				17	3	11	4.5	0.0	0.0
Charles City	1,015	10	49	28.94	29.99	+.03	68.2	−5.3	89	28	79	45	2	57	30	61	57	70	3.19	−0.4	14	3,663	se.	28	nw.	23	14	13	4	4.1	0.0	0.0
Davenport	606	71	79	29.35	30.00	+.03	72.0	−3.3	93	21	82	50	2	62	27	63	59	67	3.76	+0.2	11	4,106	s.	28	nw.	21	13	12	6	4.7	0.0	0.0
Des Moines	861	84	97	29.10	29.99	+.03	71.9	−3.5	93	28	82	51	3	61	29	64	60	69	0.98	−2.9	9	4,401	sw.	33	sw.	16	12	13	6	4.3	0.0	0.0
Dubuque	700	81	96	29.25	29.99	+.02	70.0	−4.1	88	16	80	49	1	60	29	62	58	69	4.11	−0.2	11	3,569	s.	39	nw.	21	9	12	10	5.7	0.0	0.0
Keokuk	614	64	78	29.35	30.02	+.04	72.7	−4.2	94	16	82	52	4	63	27	66	61	68	4.85	+0.8	12	3,879	nw.	25	nw.	24	11	14	6	4.8	0.0	0.0
Cairo	358	87	93	29.63	30.00	.00	76.0	−3.6	92	21	84	56	3	68	21	68	65	73	3.73	+0.3	11	4,207	n.	33	nw.	17	12	12	7	4.8	0.0	0.0
Peoria	609	11	45	29.37	30.03	+.05	71.0	−4.4	94	21	82	49	1	60	29	65	61	72	5.59	+2.6	9	3,250	s.	21	w.	29	20	7	4	3.2	0.0	0.0
Springfield, Ill	636	10	91	29.33	29.99	+.01	73.2	−3.3	95	21	83	51	18	63	30	66	62	71	1.71	−1.2	8	4,490	s.	24	n.	17	13	11	7	4.5	0.0	0.0
Hannibal	534	74	109	29.45	30.01	+.03	72.6	−4.2	93	16	83	50	4	62	29				2.23	−1.5	13	4,850	sw.	27	sw.	9	12	11	8	4.8	0.0	0.0
St. Louis	568	265	303	29.41	30.01	+.02	75.0	−3.6	93	21	83	55	3	67	22	66	61	65	3.62	+0.2	12	6,923	s.	54	sw	17	9	16	6	4.9	0.0	0.0
Missouri Valley							**72.5**	**−3.3**										**66**	**3.69**	**−0.1**										**3.8**		
Columbia, Mo	784	11	84	29.18	30.00	+.02	72.2	−4.7	92	21	82	50	4	62	28				5.70	+2.0	15	4,286	s.	50	nw.	16	13	11	7	4.5	0.0	0.0
Kansas City	963	161	181	28.98	29.98	+.01	74.6	−3.5	97	16	83	53	2	66	33	67	63	68	3.41	−1.4	15	5,976	s.	58	n.	16	12	15	4	4.3	0.0	0.0
St. Joseph	967	11	49	28.97	29.98		73.8		98	16	84	50	3	64	32	65	61	69	4.44		12	4,735	se.	43	ne.	17	20	8	3	3.2	0.0	0.0
Springfield, Mo	1,324	98	104	28.64	30.02	+.04	73.2	−3.6	91	16	81	53	3	65	23	66	63	73	5.92	+1.1	13	5,929	s.	35	nw.	14	18	10	3	3.1	0.0	0.0
Iola	984	11	50	28.96	29.98	+.01	74.8	−3.3	96	16	86	49	3	64	32				7.55	+3.6	13	3,673	s.	28	n.	17	15	12	4	4.2	0.0	0.0
Topeka	987	92	107				75.2	−2.6	100	16	86	51	3	65	29				5.30	+0.4	13	6,175	s.	40	n.	17	13	15	3	3.8	0.0	0.0
Drexel	1,299	10	54	28.62	29.98		70.5		90	23	81	49	2	60	28				3.63		12	5,883	s.	57	sw.	27	15	11	5	4.0	0.0	0.0
Lincoln	1,189	11	84	28.74	29.97	+.02	72.9	−3.6	96	23	84	49	3	62	30	64	59	66	4.66	+0.8	11	6,111	se.	40	nw.	16	15	12	4	4.1	0.0	0.0
Omaha	1,105	115	122	28.83	29.99	+.04	73.2	−3.5	96	23	83	52	2	64	28	65	60	66	2.79	−1.5	12	4,689	s.	42	nw.	11	14	15	2	3.7	0.0	0.0
Valentine	2,598	47	54	27.30	29.97	+.04	71.2	−2.5	96	29	84	49	2	59	35	60	53	58	0.98	−2.4	9	7,269	s.	37	ne.	16	16	11	4	3.5	0.0	0.0
Sioux City	1,135	94	164	28.80	29.99	+.04	71.4	−2.9	92	27	82	49	4	61	31	62	57	64	2.87	−0.7	8	7,110	s.	59	e.	15	15	13	3	3.8	0.0	0.0
Huron	1,306	59	74	28.62	29.99	+.05	69.4	−2.4	92	29	82	49	17	57	42	61	55	64	2.55	−0.4	6	6,501	se.	33	se.	19	22	6	3	3.1	0.0	0.0
Pierre	1,572	70	75	28.31	29.94	+.01	71.6	−3.7	97	22	84	50	17	60	38	62	56	62	1.11	−1.2	7	7,165	e.	50	nw.	18	17	8	6	3.6	0.0	0.0
Yankton	1,233	49	57	28.68	29.97	+.03	70.8	−3.4	93	27	82	50	14	60	31				1.48	−2.0	7	4,874	w.	40	nw.	15	14	14	3	4.1	0.0	0.0

TABLE 1.—*Climatological data for Weather Bureau stations, July, 1924*—Continued.

Districts and stations.	Elevation of instruments.			Pressure.			Temperature of the air.													Precipitation.			Wind.										
	Barometer above sea level.	Thermometer above ground.	Anemometer above ground.	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.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew point.	Mean relative humidity.	Total.	Departure from normal.	Days with 0.01, or more.	Total movement.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	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							67.7	−0.1										52	1.20	−0.4										3.4		
Billings	3,140	5					68.6		100	15	86	42	19	51	52				1.96		9		nw.				17	7	7		0.0	0.0
Havre	2,505	11	44	27.33	29.92	+.01	68.6	+0.3	95	27	83	45	12	54	47	57	49	56	0.70	−1.2	4	4,312	e.	27	nw.	28	24	5	2	2.3	0.0	0.0
Helena	4,110	87	112	25.82	29.92	−.01	67.9	+2.2	96	3	82	42	19	54	45	52	41	44	0.89	−0.2	9	6,260	sw.	31	s.	14	16	11	4	3.7	0.0	0.0
Kalispell	2,973	48	56	26.90	29.90	−.03	65.6	+1.5	95	2	80	43	7	51	46	51	39	46	0.97	+0.1	4	4,517	nw.	34	se.	14	20	8	3	3.4	0.0	0.0
Miles City	2,371	48	55	27.46	29.96	+.04	72.2	−0.7	102	15	85	48	24	59	38	59	50	53	0.39	−1.0	4	4,220	ne.	30	n.	18	19	8	4	2.9	0.0	0.0
Rapid City	3,259	50	58	26.63	29.97	+.04	69.6	−1.4	94	10	82	49	2	57	40	58	50	52	2.33	−0.2	8	5,630	se.	42	n.	18	14	13	4	3.6	0.0	0.0
Cheyenne	6,088	84	101	24.10	29.92	.00	65.8	−0.9	89	15	79	42	9	52	35	54	46	55	1.12	−0.9	7	7,192	s.	40	n.	31	13	12	6	4.2	0.0	0.0
Lander	5,372	60	68	24.70	29.93	+.01	67.6	+0.2	90	26	84	40	21	51	40	52	40	44	0.04	−0.8	1	4,106	sw.	50	sw.	20	14	16	1	3.5	0.0	0.0
Sheridan	3,790	10	47	26.14	29.97		66.0		96	15	82	38	24	50	49	55	48	58	1.08		7	3,198	s.	35	nw.	7	18	12	1	2.9	0.0	0.0
Yellowstone Park	6,200	11	48	23.98	29.98	+.06	59.8	−1.7	87	2	76	34	19	44	42	47	38	55	3.39	+2.2	13	5,307	s.	37	nw.	22	11	16	4	4.3	0.0	0.0
North Platte	2,821	11	51	27.12	29.99	+.06	72.6	−0.3	99	16	86	49	2	60	39	61	55	62	1.00	−1.7	6	4,819	e.	37	w.	20	18	10	3	3.0	0.0	0.0
Middle Slope							75.5	−1.7										58	2.59	−0.4										4.2		
Denver	5,292	106	113	24.80	29.94	+.03	71.8	−0.4	93	15	84	55	25	60	35	57	48	49	0.33	−1.3	6	5,061	s.	32	w.	17	14	14	3	3.7	0.0	0.0
Pueblo	4,685	80	86	25.34	29.91	.00	74.2	0.0	97	23	89	53	3	60	41	58	49	51	0.84	−1.1	5	4,681	e.	36	nw.	1	10	21	0	4.2	0.0	0.0
Concordia	1,392	50	58	28.50	29.94	−.01	75.4	−2.6	104	16	87	50	3	64	38	65	58	60	3.55	−0.1	13	5,281	s.	42	n.	16	12	17	2	4.4	0.0	0.0
Dodge City	2,509	11	51	27.43	29.98	+.05	75.2	−3.2	100	29	88	49	5	62	34	64	59	66	3.64	+0.3	7	7,334	se.	37	sw.	11	17	12	2	3.0	0.0	0.0
Wichita	1,358	139	158	28.55	29.95	−.01	77.0	−2.4	100	16	87	53	3	67	26	66	60	62	3.64	0.0	11	8,802	s.	40	s.	8	13	17	1	4.1	0.0	0.0
Broken Arrow	765	11	52	29.19	30.00		77.4		99	16	88	53	5	67	28				7.57		9	7,565	s.	41	n.	24	10	11	10	5.2	0.0	0.0
Muskogee	652	4					79.6		102	24	92	53	3	68	32				3.90		7		se.				17	2	12		0.0	0.0
Oklahoma City	1,214	10	47	28.72	29.97	+.01	79.2	−1.4	102	24	90	57	4	69	34	68	62	61	3.55	−0.1	11	6,602	s.	31	s.	24	8	14	9	5.0	0.0	0.0
Southern Slope							80.2	−1.0										58	1.88	−0.6										3.9		
Abilene	1,738	10	52	28.18	29.93	.00	82.0	−0.8	103	12	92	58	5	71	33	68	61	55	0.64	−1.8	7	7,527	s.	27	s.	7	13	6	12	4.9	0.0	0.0
Amarillo	3,676	10	49	26.32	29.96	+.04	75.4	−1.4	97	13	86	52	5	64	32	64	59	64	3.66	+0.5	6	6,966	se.	29	e.	3	18	11	2	4.0	0.0	0.0
Del Rio	944	64	71	28.97	29.94	+.04	85.2	−1.1	104	25	95	68	6	75	32				0.48	−1.8	3	8,734	se.	34	e.	25	21	8	2	3.5	0.0	0.0
Roswell	3,566	75	85	26.37	29.89	+.01	78.0	−0.9	100	13	91	55	3	65	35	63	56	56	2.76	+0.6	6	5,637	e.	33	nw.	24	21	8	2	3.3	0.0	0.0
Southern Plateau							78.9	−0.1										42	0.92	−0.3										2.7		
El Paso	3,762	110	133	26.17	29.82	−.02	81.0	−0.1	101	13	93	62	2	69	32	64	55	47	3.00	+0.9	13	7,712	se.	54	ne.	1	16	15	0	3.5	0.0	0.0
Santa Fe	7,013	38	53	23.37	29.88	.00	67.8	−1.2	86	13	80	49	5	56	31	54	46	54	1.53	−1.2	15	4,389	e.	26	e.	15	8	21	2	4.5	0.0	0.0
Flagstaff	6,907	10	59				65.0	0.0	86	2	79	38	21	51	43			52	2.91		11	5,386	w.	31	w.	28	9	22	0		0.0	0.0
Phoenix	1,108	11	81	28.67	29.78	.00	90.2	+0.4	110	31	103	65	21	78	40	70	59	39	0.09	−1.0	3	3,884	w.	30	sw.	6	13	16	2	3.5	0.0	0.0
Yuma	141	9	54	29.62	29.76	.00	91.6	+0.8	112	26	106	67	22	77	40	70	59	40	T.	−0.1	0	4,155	s.	29	se.	5	28	3	0	0.9	0.0	0.0
Independence	3,957	5	25	25.95	29.89	+.06	77.8	−0.3	101	1	94	55	14	62	39	53	28	19	T.	−0.1	0	5,976	se.	38	w.	3	29	2	0	0.9	0.0	0.6
Middle Plateau							73.8	+1.4										30	0.49	−0.1										2.7		
Reno	4,532	74	81	25.47	29.87	.00	71.6	+4.1	97	2	89	46	13	54	46	49	30	28	0.02	−0.3	1	5,885	w.	31	w.	31	27	3	1	1.3	0.0	0.0
Tonopah	6,090	12	20				74.2		93	1	86	56	12	63	29	51	30	23	0.03		1		se.								0.0	0.0
Winnemucca	4,344	18	56	25.60	29.90	.00	72.1	+1.5	101	2	91	43	22	54	50	50	30	27	0.31	+0.1	1	4,819	sw.	33	sw.	3	26	5	0	1.8	0.0	0.0
Modena	5,479	10	43	24.66	29.89	+.03	70.4	−0.2	96	1	88	44	14	53	45	50	34	37	1.09	−0.2	7	8,840	sw.	47	nw.	10	19	10	2	2.8	0.0	0.0
Salt Lake City	4,300	163	203	25.60	29.86	.04	77.5	+1.8	96	31	89	56	21	66	34	56	40	30	0.45	−0.1	4	6,246	s.	38	nw.	6	21	8	2	2.4	0.0	0.0
Grand Junction	4,602	60	68	25.38	29.88	−.01	77.6	−0.1	97	1	91	57	11	64	34	57	42	36	0.57	+0.1	7	4,398	se.	28	sw.	9	17	11	3	4.0	0.0	0.0
Northern Plateau							72.5	+1.5										35	0.67	+0.2										3.0		
Baker	3,471	48	53	26.44	29.96	+.01	66.8	+1.2	98	1	84	40	6	50	44	50	36	39	0.04	−0.4	2	4,538	nw.	29	sw.	14	13	13	5	4.0	0.0	0.0
Boise	2,739	78	86	27.11	29.90	−.03	74.0	+1.1	105	2	89	48	16	58	39	54	36	30	T.	−0.2	0	3,936	nw.	25	w.	3	20	11	0	2.7	0.0	0.0
Lewiston	757	40	48	29.12	29.91	−.04	75.5	+1.5	107	26	91	51	7	60	45				0.70	+0.3	2	2,986	e.	28	nw.	14	21	6	4	2.5	0.0	0.0
Pocatello	4,477	60	68	25.47	29.88	−.04	72.0	+1.2	98	1	87	45	20	57	41	53	37	36	1.67	+1.0	8	5,732	se.	39	sw.	29	17	8	6	3.6	0.0	0.0
Spokane	1,929	101	110	27.92	29.92	−.04	71.4	+2.4	102	2	86	48	23	57	42	54	39	37	0.69	0.0	4	4,286	sw.	25	w.	14	16	12	3	3.2	0.0	0.0
Walla Walla	991	57	65	28.88	29.93	−.04	75.4	+1.4	104	1	88	52	16	62	37	56	41	35	0.90	+0.5	3	3,845	s.	24	se.	26	24	6	1	2.3	0.0	0.0
North Pacific Coast Region							62.3	+0.3										68	0.42	−0.3										4.5		
North Head	211	11	56	29.89	30.11	+.03	57.1	−0.1	77	24	61	49	24	53	28	54	52	87	0.30	−0.2	7	10,981	n.	44	nw.	19	7	5	19	7.3	0.0	0.0
Port Angeles	29	8	53		30.10		57.6		85	24	66	43	11	50	34				0.61	+0.2	4	5,242	sw.	29	sw.	5	17	4	10		0.0	0.0
Seattle	125	215	250	29.96	30.09	+.05	63.5	+0.4	91	24	73	50	10	54	29	56	50	67	0.51	−0.2	5	4,969	ne.	23	ne.	5	13	8	10	4.4	0.0	0.0
Tacoma	194	172	201	29.87	30.07	+.01	63.3	+0.5	88	24	73	48	10	54	30				0.67	0.0	5	5,651	n.	31	sw.	5	7	13	11	6.2	0.0	0.0
Tatoosh Island	86	9	57	29.99	30.09	+.04	54.8	−0.3	88	24	59	48	8	51	39	53	52	91	0.85	−0.9	10	7,915	s.	38	s.	24	7	14	10	5.6	0.0	0.0
Yakima	1,071	5					72.2		104	1	89	41	15	55	48				0.18		1		nw.				18	11	2		0.0	0.0
Medford	1,425	4					72.2		104	24	93	43	15	52	55	54	42	44	T.		0		nw.	15	se.	23	20	4	7	1.8	0.0	0.0
Portland, Oreg.	153	68	106	29.89	30.05	.00	67.0	+0.3	99	24	78	50	20	56	35	57	50	59	0.03	−0.6	3	4,564	nw.	23	n.	19	15	12	4	4.1	0.0	0.0
Roseburg	510	9	57	29.50	30.04	+.01	68.3	+0.9	99	23	85	45	7	52	47	57	48	57	T.	−0.3	0	3,135	n.	15	n.	21	20	11	0	2.2	0.0	0.0
Middle Pacific Coast Region							64.1	−0.7										62	0.01	0.0										2.7		
Eureka	62	73	89	30.00	30.07	+.02	54.6	−0.9	65	26	59	45	7	50	15	52	50	85	0.02	−0.1	2	4,896	n.	28	n.	15	11	14	6	4.7	0.0	0.0
Point Reyes	490	7	18	29.43	29.94		52.4	−1.3	63	24	56	46	16	49	11				0.00		0	19,189	nw.	65	nw.	18	8	7	16	6.5	0.0	0.0
Red Bluff	332	50	56	29.50	29.84	−.05	81.2	+0.4	107	2	97	57	12	66	37	60	43	33	0.00	0.0	0	4,176	se.	22	nw.	20	31	0	0	0.1	0.0	0.0
Sacramento	69	106	117	29.80	29.87	−.01	72.2	−1.0	102	2	88	50	12	56	39	59	49	53	T.	0.0	0	7,378	s.	23	sw.	11	31	0	0	0.4	0.0	0.0
San Francisco	155	208	243	29.79	29.96	+.01	59.0	+0.5	70	31	65	50	7	53	16	53	50	79	0.01	0.0	0	8,163	w.	34	w.	14	16	11	4	3.4	0.0	0.0
San Jose	141	12	110	29.81	29.96		65.0	−1.9	89	2	78	45	13	52	34				0.00	0.0	0	5,231	nw.	24	se.	19	30	1	0	1.0	0.0	0.0
South Pacific Coast Region							69.8	−1.2										62	0.00	0.0										2.2		
Fresno	327	89	98	29.51	29.85	+.02	80.5	−1.6	108	1	98	58	12	64	39	58	40	29	0.00	0.0	0	6,431	nw.	21	nw.	31	29	2	0	0.3	0.0	0.0
Los Angeles	338	159	191	29.57	29.93	+.03	69.4	−0.8	88	27	79	56	12	60	25	60	56	70	0.00	0.0	0	3,720	sw.	15	sw.	21	21	10	0	2.4	0.0	0.0
San Diego	87	62	70	29.84	29.93	+.01	67.0	−0.2	78	1	72	58	13	62	17	62	59	80	0.00	0.0	0	5,166	nw.	19	nw.	25	19	10	2	3.8	0.0	0.0
San Luis Obispo	201	32	40	29.76	29.98	+.03	62.4	−2.3	88	26	74	43	14	51	38	54	49	71	0.00	0.0	0	3,134	nw.	14	nw.	25	26	5	0	2.1	0.0	0.0
West Indies																																	
San Juan, P. R.	82	9	54	29.95	30.04		79.8	−0.3	85	29	84	73	6	76	11				6.18	−0.2	17	12,762	e.	42	e.	29	9	20	2	4.8	0.0	0.0
Panama Canal																																	
Balboa Heights	118	7	97	29.82	29.86	+.02	79.2	−1.1	88	11	85	71	27	74	16	75	74	91	5.97	−1.4	16	4,386	nw.	27	se.	26	0	14	17	7.4	0.0	0.0
Colon	36	7	97	29.83	29.86	+.01	80.2	−0.1	90	1	86	73	27	75	16	76	75	91	20.63	+5.0	29	4,461	nw.	29	nw.	17	1	5	25	8.5	0.0	0.0
Alaska																																	
Juneau	80	11	54				54.6		74	29	60	42	4	49	24	52	50	86	8.23		22	4,639	s.	30	se.	2	2	3	26	9.0	0.0	0.0

TABLE 2 —*Data furnished by the Canadian Meteorological Service, July, 1924*

Stations	Altitude above mean sea level, Jan. 1, 1919	Pressure: Station reduced to mean of 24 hours	Pressure: Sea level reduced to mean of 24 hours	Pressure: Departure from normal	Temperature of the air: Mean max. + mean min. ÷2	Temperature of the air: Departure from normal	Temperature of the air: Mean maximum	Temperature of the air: Mean minimum	Temperature of the air: Highest	Temperature of the air: Lowest	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Total snowfall
	Feet	*In.*	*In.*	*In.*	°*F.*	°*F.*	°*F.*	°*F.*	°*F.*	°*F.*	*In.*	*In.*	*In.*
Sydney, C. B. I	48	29.85	29.90	−.03	66.4	+4.1	77.1	55.7	88	50	1.23	−2.42	0.0
Halifax, N. S	88	29.82	29.93	−.04	67.1	+3.7	79.2	55.0	91	47	1.34	−2.71	0.0
Yarmouth, N. S	65	29.82	29.89	−.06	60.4	+0.9	68.3	52.4	78	46	1.60	−2.02	0.0
Charlottetown, P. E. I	38	29.82	29.86	−.04	66.5	+2.4	73.9	59.2	82	55	0.70	−2.79	0.0
Chatham, N. B	28	29.72	29.75	−.13	66.8	+1.8	79.7	53.9	91	45	3.56	−0.63	0.0
Father Point, Que	20	29.76	29.78	−.07	55.4	−2.2	64.8	46.1	82	38	4.86	+1.82	0.0
Quebec, Que	296	29.55	29.86	−.05	67.2	+1.7	76.7	57.8	87	49	3.79	−0.47	0.0
Montreal, Que	187	29.68	29.88	−.05	68.8	+0.3	77.8	59.8	85	51	6.04	+1.75	0.0
Ottawa, Ont	236	29.65	29.91	−.03	68.1	−1.4	79.7	56.5	88	50	3.94	+0.47	0.0
Kingston, Ont	285	29.64	29.94	−.03	66.4	−1.8	74.0	58.9	80	50	3.53	+0.64	0.0
Toronto, Ont	379	29.56	29.95	−.02	67.3	−0.7	77.7	56.9	88	48	4.17	+1.25	0.0
Cochrane, Ont	930				60.0		71.8	48.2	88	40	3.37		0.0
White River, Ont	1,244	28.63	29.93	−.01	56.7	−2.8	71.1	42.4	86	30	3.42	+0.62	0.0
Southampton, Ont	656	29.27			63.0	−1.7	71.7	54.3	86	42	4.39	+2.41	0.0
Parry Sound, Ont	688	29.27	29.95	−.01	64.4	−1.6	75.6	53.3	90	43	2.83	+0.21	0.0
Port Arthur, Ont	644	29.27	29.98	+.04	60.9	−1.1	70.7	51.2	89	40	3.34	−0.14	0.0
Winnipeg, Man	760	29.12	29.93	.00	66.0	0.0	77.4	54.7	91	38	2.99	−0.09	0.0
Minnedosa, Man	1,690	28.15	29.93	.00	65.0	+2.8	75.7	54.4	89	40	1.75	−0.85	0.0
Le Pas, Man	860				62.5		75.7	49.3	91	33	1.98		0.0
Qu'Appelle, Sask	2,115	27.69	29.90	−.02	64.0	+0.5	77.6	50.4	89	39	1.49	−0.99	0.0
Medicine Hat, Alb	2,144	27.60	29.80	−.10	71.9	+4.1	87.2	56.7	103	46	0.31	−1.78	0.0
Moose Jaw, Sask	1,759				66.0		80.6	51.5	95	41	1.96		0.0
Swift Current, Sask	2,392	27.41	29.88	−.03	65.4	−1.1	80.0	50.7	92	40	2.22	−0.22	0.0
Calgary, Alb	3,428	26.42	29.91	+.01	63.8	+3.2	80.3	47.4	92	38	2.51	−0.17	0.0
Banff, Alb	4,521	25.42	29.90	.00	58.8	+2.2	74.7	42.8	93	33	2.01	−1.23	0.0
Edmonton, Alb	2,150	27.62	29.85	−.05	64.0	+3.4	77.1	50.9	98	40	4.27	+1.24	0.0
Prince Albert, Sask	1,450	28.40	29.95	+.04	65.5	+3.6	78.3	52.7	93	43	1.18	−0.87	0.0
Battleford, Sask	1,592	28.18	29.89	−.01	66.8	+2.1	80.8	52.8	96	41	1.17	−1.17	0.0
Victoria, B. C	230	29.80	30.05	.00	59.8	−0.2	68.0	51.7	92	48	0.32	−0.08	0.0

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Sydney, C. B. I	48	29.85	29.90	−.05	56.7	+1.3	67.0	46.3	78	36	2.76	−0.47	0.0
Halifax, N. S	88	29.80	29.90	−.05	59.2	+1.5	70.1	48.3	82	40	3.44	−0.32	0.0
Yarmouth, N. S	65	29.80	29.87	−.08	53.8	−1.2	61.8	45.8	70	40	2.33	−0.43	0.0
Charlottetown, P. E. I	38	29.82	29.86	−.06	57.6	+0.2	65.3	49.9	80	40	1.77	−0.90	0.0
Chatham, N. B	28	29.76	29.79	−.10	58.5	−1.5	69.8	47.3	82	40	2.45	−1.01	0.0
Medicine Hat, Alb	2,144	27.62	29.84	−.01	62.5	+0.5	75.1	49.9	88	41	0.84	−1.92	0.0
Calgary, Alb	3,428	26.42	29.96	+.12	54.0	−2.0	67.2	40.8	84	32	5.00	+2.55	0.0
Banff, Alb	4,521	25.40	29.94	+.10	49.5	−2.0	62.2	36.8	86	30	3.95	+0.62	0.6
Edmonton, Alb	2,150	27.64	29.90	+.06	56.4	−0.5	70.1	42.8	86	29	2.14	−0.72	0.0
Kamloops, B. C	1,262	28.68	29.95	+.08	65.1	+1.3	78.3	52.0	101	45	2.18	+0.76	0.0
Barkerville, B. C	4,180	25.68	29.98	+.11	48.8	−1.9	59.4	38.2	76	30	4.45	+0.97	0.0
Winnipeg, Man	760	29.07	29.89	.00	58.4	−3.8	71.0	45.9	84	32	1.39	−1.90	0 0