CLIMATOLOGICAL TABLES

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, May 1934

[For description of tables and charts, see REVIEW, January, p. 31]

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	72.2	+0.9	Riverton	97	[1] 11	Riverton	40	25	3.91	−0.01	Evergreen	9.63	Valley Head	0.12
Arizona	72.3	+3.3	2 stations	115	[1] 10	Grand Canyon	22	3	.54	+.25	Williams	2.96	13 stations	.00
Arkansas	70.3	+1.2	3 stations	103	31	Dutton	35	[1] 27	3.36	−1.63	Norman	5.72	Corning	1.12
California	63.8	+2.5	Blythe	115	11	Ellery Lake	14	2	.73	−.27	Scotia	3.36	51 stations	.00
Colorado	59.6	+7.4	Eads	106	30	Lake Moraine	12	14	1.35	−.52	Silver Lake	3.87	2 stations	.08
Florida	75.7	+.1	6 stations	95	[1] 23	3 stations	52	29	6.81	+2.76	Homestead	20.94	Clearwater	1.96
Georgia	70.9	−.8	Eastman	96	23	Blairsville	36	3	5.45	+1.98	Tifton	12.42	Rome	2.28
Idaho	59.6	+6.7	Orofino	105	24	Big Springs	14	[1] 11	.61	−1.03	Prichard	2.72	2 stations	T
Illinois	68.1	+5.6	2 stations	107	31	Waukegan	28	26	1.06	−3.03	Benton	3.57	Carlinville	.13
Indiana	66.4	+4.2	Collegeville	103	31	La Porte	28	12	1.14	−2.86	Jeffersonville	3.29	Veedersburg	.20
Iowa	69.6	+9.6	Inwood	111	30	2 stations	30	25	1.02	−3.06	Lamoni	3.42	Lake Park	.09
Kansas	69.6	+5.8	2 stations	106	30	do	35	[1] 14	2.82	−.87	Burlington	7.88	Richfield	.10
Kentucky	67.7	+2.4	do	99	31	Farmers	36	26	1.67	−2.29	Murray	5.23	Ford	.51
Louisiana	73.3	−.4	Ruston	102	31	St. Joseph	44	1	5.38	+.84	Delta Farms	15.31	Arcadia	1.22
Maryland-Delaware	64.0	+1.6	Keedysville, Md	97	21	Oakland, Md	28	12	4.85	+1.44	Salisbury, Md	9.12	Cumberland, Md	1.50
Michigan	58.3	+4.5	5 stations	100	31	Vanderbilt	14	12	1.23	−1.97	Fenville	2.68	Bay City	T
Minnesota	63.7	+8.6	Maple Plain	112	31	Hallock	18	11	.99	−2.20	Mizpah	2.82	Maple Plain	.13
Mississippi	72.4	+.7	Greenwood	102	31	2 stations	44	26	3.64	−.76	Woodville	10.80	Grenada	1.28
Missouri	69.0	+4.6	Maryville	110	30	Elsberry	31	25	1.89	−2.84	Caruthersville	4.64	St. Charles	.22
Montana	59.9	+8.3	3 stations	104	29	Conways Ranch	15	13	.67	−1.55	Heron	2.03	Melstone	.01
Nebraska	69.4	+10.4	Wakefield	109	27	Gordon	26	14	1.06	−2.47	Auburn	3.65	Cairo	T
Nevada	62.5	+7.1	Logandale	110	11	Zorra Vista Ranch	18	2	.37	−.51	Marlette Lake	1.43	8 stations	.00
New England	57.0	+2.0	Turner's Falls, Mass.	92	31	Van Buren, Me	20	9	2.94	−.42	Waterbury, Conn	6.56	2 stations	.93
New Jersey	62.3	+1.9	Camden	98	21	3 stations	28	13	4.63	+.90	Little Falls	6.51	Burlington	2.88
New Mexico	64.4	+4.8	2 stations	108	[1] 6	Therma	19	15	1.16	+.03	Portales	4.86	6 stations	.00
New York	58.3	+2.4	Glenham	95	21	Indian Lake	19	13	2.16	−1.34	Bedford Hills	7.53	Dansville	.24
North Carolina	66.4	−.4	High Point	97	7	Mount Mitchell	32	[1] 26	4.54	+.35	Swansboro	12.62	Boone	1.94
North Dakota	63.6	+10.8	Langdon	111	30	Edmore	18	11	.35	−2.05	Napoleon	1.36	Zap	.00
Ohio	64.1	+3.6	Van Wert	100	31	Holgate	27	12	.79	−2.87	Peebles (near)	1.97	Charlestown	.29
Oklahoma	70.4	+2.2	Jefferson	107	31	Hooker	32	15	2.62	−2.05	Apache	6.32	Hugo	.25
Oregon	57.9	+4.8	Arlington	103	28	Fremont	16	9	.89	−.88	Tillamook	5.47	Kingman	T
Pennsylvania	62.2	+2.8	3 stations	98	[1] 21	Gouldsboro	22	2	2.51	−1.39	Marcus Hook	6.80	McKeesport	.37
South Carolina	69.0	−1.9	Cheraw	96	7	2 stations	40	[1] 1	5.58	+1.96	Yemassee	10.01	Pinopolis	1.57
South Dakota	69.3	+12.8	2 stations	113	30	3 stations	23	13	.69	−2.30	Fairfax	4.11	McLaughlin	T
Tennessee	68.7	+.9	Halls	99	30	do	38	[1] 26	2.81	−1.38	Gatlinburg	6.72	Selmer	.93
Texas	74.5	+1.4	Haskel	108	29	Muleshoe	34	15	1.88	−1.83	Clarendon	8.30	4 stations	.00
Utah	62.8	+7.5	St. George	100	[1] 10	Heber	19	2	.37	−.83	Bryce Canyon	2.76	5 stations	.00
Virginia	65.3	+1.2	3 stations	98	20	Burkes Garden	28	26	4.11	+.31	Williamsburg	11.34	Pennington Gap	.87
Washington	57.8	+3.0	4 stations	103	28	Stockdill Ranch	23	9	1.97	−.05	Mount Baker Lodge	10.13	White Swan	.00
West Virginia	63.1	+1.4	2 stations	100	[1] 20	Bayard	27	26	2.08	−1.89	Pickens	4.41	Cairo	.92
Wisconsin	62.4	+7.2	Prairie du Chien	109	31	P. K. Reservoir	20	25	1.47	−2.15	Waukesha	5.60	Mauston	.05
Wyoming	58.1	+8.8	2 stations	101	28	Dome Lake	6	13	.52	−1.56	Foxpark	2.43	Eden	.00
Alaska (April)	32.5	+4.8	Seclusion Harbor	74	24	Allakaket	−28	10	1.70	+.26	Cordova	13.18	Tanana	T
Hawaii	72.2	+.5	2 stations	91	[1] 27	Kanalohuluhulu	46	[1] 9	9.20	+3.24	Puohakamoa No. 2	38.60	Olowalu	.00
Puerto Rico	76.6	−.6	Canovanas	95	29	Guineo Reservoir	46	18	4.58	−1.97	Lares	14.05	Mona Island	.95

[1] Other dates also.

TABLE 1.—*Climatological data for Weather Bureau Stations, May 1934*

[Compiled by Annie E. Small]

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station, reduced to mean of 24 hours	Pressure: Sea level, reduced to mean of 24 hours	Pressure: Departure from normal	Temperature of the air: Mean max. + mean min. ÷ 2	Temperature of the air: Departure from normal	Temperature of the air: Maximum	Temperature of the air: Date	Temperature of the air: Mean maximum	Temperature of the air: Minimum	Temperature of the air: Date	Temperature of the air: Mean minimum	Temperature of the air: Greatest daily range	Mean wet thermometer	Mean temperature of the dew point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with 0.01, or more	Wind: Total movement	Wind: Prevailing direction	Wind: Maximum velocity: Miles per hour	Wind: Maximum velocity: Direction	Wind: Maximum velocity: Date	Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month
	Ft.	Ft.	Ft.	In.	In.	In.	°F.	°F.	°F.		°F.	°F.		°F.	°F.	°F.	°F.	%	In.	In.		Miles								0-10	In.	In.
New England							57.2	+2.6										69	2.71	−0.5										5.3		
Eastport	76	67	85	29.88	29.96	0.00	50.0	+2.3	80	31	58	36	9	42	32	45	41	75	1.51	−1.5	11	7,191	sw.	32	sw.	10	10	11	10	5.7	0.0	0.0
Greenville, Maine	1,070	6	40	28.80	29.96	------	52.4	------	83	2	65	27	9	39	45	----	----	----	1.74	------	8	4,319	se.	18	------	11	10	12	9	----	.0	.0
Portland, Maine	103	82	117	29.85	29.97	.00	56.2	+2.9	87	31	65	39	9	47	31	48	41	62	2.20	−1.2	9	6,708	sw.	28	sw.	17	19	6	6	3.9	.0	.0
Concord	289	60	----	------	------	------	58.2	+3.9	86	5	72	30	9	45	43	----	----	----	2.68	−.3	8	------	nw.	----	------	----	13	12	6	----	.0	.0
Burlington	403	11	48	29.55	29.98	+.01	56.8	+.3	84	22	69	31	9	45	39	----	----	----	1.02	−1.8	10	7,055	s.	36	s.	10	10	12	9	5.0	.0	.0
Northfield	876	12	60	------	29.98	+.01	54.3	+1.5	85	22	69	25	13	39	44	----	----	70	1.05	−1.7	6	5,649	s.	38	sw.	22	8	16	7	5.4	.0	.0
Boston	124	336	360	29.84	29.98	.00	60.6	+3.5	87	22	70	41	1	51	33	52	44	60	1.56	−1.6	11	9,874	sw.	40	sw.	22	11	14	6	4.9	.0	.0
Nantucket	12	14	90	29.98	29.99	.00	55.4	+3.1	73	7	62	39	1	49	25	50	47	80	2.23	−.6	13	10,478	sw.	43	s.	10	12	8	11	5.8	.0	.0
Block Island	26	11	46	29.96	29.99	.00	54.9	+2.1	76	6	61	40	1	48	25	51	48	82	3.32	−.2	16	10,274	sw.	32	se.	3	10	12	9	5.4	.0	.0
Providence	160	215	251	29.82	29.99	+.01	60.9	+2.4	87	31	71	39	1	51	29	52	44	60	3.50	+.5	11	8,171	nw.	34	nw.	7	14	8	9	4.7	.0	.0
Hartford	159	70	104	------	30.00	+.02	61.4	+3.9	88	6	72	38	1	50	33	----	----	----	5.53	+1.9	15	5,779	s.	----	------	----	8	14	9	----	.0	.0
New Haven	106	74	153	29.89	30.00	+.01	60.4	+2.5	87	6	70	40	1	51	27	53	47	65	5.23	+1.5	14	6,434	s.	27	sw.	22	8	13	10	5.8	.0	.0
Middle Atlantic States							64.1	+1.8										66	4.01	+0.6										5.3		
Albany	97	107	115	29.88	29.98	.00	61.2	+1.9	89	31	73	37	13	50	32	54	48	66	2.56	−.3	9	5,440	s.	26	se.	22	11	13	7	4.9	.0	.0
Binghamton	871	60	68	29.09	30.02	+.04	59.3	+1.9	90	21	73	31	13	45	43	----	----	----	2.11	−1.2	9	4,193	nw.	21	nw.	7	9	8	14	5.8	.0	.0
New York	314	414	454	29.66	29.99	.00	62.6	+2.0	88	21	72	43	1	53	33	54	47	64	4.05	+.8	14	9,162	sw.	46	w.	21	9	14	8	5.5	.0	.0
Bellefonte	1,050	5	42	28.90	30.00	------	59.4	------	92	20	74	34	8	44	39	53	47	62	1.06	------	10	------	sw.	33	w.	10	8	16	7	5.4	.0	.0
Harrisburg	374	94	104	29.60	29.99	+.01	63.9	+2.1	91	20	74	43	1	54	33	55	48	60	3.63	+.2	11	5,366	ne.	30	s.	10	7	17	7	5.1	.0	.0
Philadelphia	114	123	367	29.89	30.01	+.02	66.1	+3.2	95	21	76	47	1	57	37	55	48	58	3.92	+.7	10	9,392	sw.	39	sw.	10	10	12	9	5.5	.0	.0
Reading	323	283	306	29.65	30.00	------	64.6	+2.1	93	21	75	40	13	54	36	56	50	63	3.03	−.6	10	7,627	sw.	46	sw.	22	8	16	7	5.4	.0	.0
Scranton	805	72	104	29.14	30.00	+.02	62.0	+2.6	92	21	74	35	13	50	37	54	48	64	3.32	.0	11	5,034	sw.	28	nw.	10	7	17	7	5.3	.0	.0
Atlantic City	52	37	172	29.94	30.00	+.02	59.6	+1.5	89	7	66	46	13	53	34	54	51	79	4.88	+1.8	14	12,273	s.	41	ne.	26	10	6	15	6.2	.0	.0
Sandy Hook	22	10	57	29.97	29.99	------	60.2	------	84	22	68	42	1	52	31	54	49	72	3.56	−.2	14	8,837	s.	35	w.	22	11	10	10	5.5	.0	.0
Trenton	190	88	106	29.79	29.99	------	63.2	+2.1	94	21	74	41	1	52	37	55	48	63	4.79	+1.7	12	7,105	n.	37	s.	10	6	14	11	5.8	.0	.0
Baltimore	123	100	215	29.87	30.00	+.01	67.2	+2.8	96	21	76	48	1	58	39	57	50	61	4.04	+.5	10	7,921	ne.	35	nw.	21	10	11	10	5.3	.0	.0
Washington	112	62	85	29.88	30.00	.00	66.5	+2.8	95	21	77	47	1	56	40	57	50	63	3.85	+.2	12	5,224	s.	30	nw.	10	12	11	8	5.3	.0	.0
Cape Henry	18	8	54	29.97	29.99	------	65.6	+1.4	94	20	73	48	9	58	33	60	57	76	6.73	+3.2	11	9,887	sw.	35	ne.	28	12	8	11	5.0	.0	.0
Lynchburg	686	5	----	29.28	30.02	+.02	67.2	−.1	96	20	81	41	26	54	47	----	----	----	4.09	+.5	11	------	s.	----	------	----	6	19	6	----	.0	.0
Norfolk	91	170	205	29.91	30.01	+.01	67.0	+.8	90	7	75	51	9	59	33	61	58	78	6.96	+3.2	11	9,744	ne.	32	n.	25	11	7	13	5.7	.0	.0
Richmond	144	11	52	29.86	30.01	+.02	67.0	+.5	95	20	77	47	18	57	39	59	54	68	4.83	+1.0	12	6,551	ne.	24	sw.	10	13	5	13	4.9	.0	.0
Wytheville	2,304	49	55	27.66	29.99	.00	62.3	+.9	89	19	75	38	26	50	38	54	47	61	1.84	−1.8	10	4,400	e.	21	w.	5	16	10	5	4.1	.0	.0
South Atlantic States							69.4	−1.1										74	5.62	+2.2										5.4		
Asheville	2,253	89	104	27.70	30.01	+.02	64.2	+1.6	87	20	77	41	1	52	35	55	49	65	2.29	−1.1	9	5,366	nw.	20	e.	16	10	12	9	5.0	.0	.0
Charlotte	779	244	267	29.18	30.01	+.02	67.7	−1.2	88	19	77	48	17	58	30	58	52	66	3.22	−.4	8	9,108	ne.	44	ne.	28	14	8	9	4.6	.0	.0
Greensboro	886	6	56	29.07	30.02	------	66.2	------	91	7	78	44	18	54	43	58	53	69	4.63	------	9	7,150	ne.	47	ne.	28	9	13	9	5.0	.0	.0
Hatteras	11	5	50	29.99	30.00	−.01	67.5	−1.2	80	21	72	55	17	63	15	63	61	81	10.37	+6.7	13	9,766	sw.	32	ne.	2	14	8	9	4.5	.0	.0
Raleigh	376	103	146	29.61	30.00	+.01	67.7	−.8	91	5	78	45	17	58	33	60	56	72	4.68	+.9	13	7,029	sw.	25	sw.	21	9	7	15	5.9	.0	.0
Wilmington	72	73	107	29.93	30.00	−.01	68.2	−2.6	88	5	76	49	17	60	26	63	60	79	5.58	+2.1	11	7,430	s.	30	s.	29	12	10	9	5.1	.0	.0
Charleston	48	11	92	29.93	29.98	−.03	71.0	−1.7	89	5	78	56	17	64	26	66	63	80	5.41	+2.4	7	9,207	e.	53	se.	28	7	12	12	5.7	.0	.0
Columbia, S.C.	351	41	57	29.62	29.99	−.01	69.7	−2.2	89	5	79	50	18	60	32	62	58	74	3.61	+.5	12	5,485	ne.	26	ne.	28	13	5	13	5.0	.0	.0
Augusta	182	62	77	29.79	29.98	−.01	70.8	−1.6	89	5	81	52	18	61	30	63	58	68	5.72	+2.7	11	4,685	ne.	24	n.	28	12	8	11	5.0	.0	.0
Savannah	65	73	152	29.90	29.97	−.03	72.7	−.7	93	8	82	54	28	64	27	66	63	81	9.02	+6.0	10	8,069	e.	39	nw.	28	5	13	13	6.5	.0	.0
Jacksonville	43	86	110	29.92	29.97	−.03	74.0	−1.0	90	23	81	54	28	67	21	67	65	81	6.33	+2.3	13	6,550	ne.	24	n.	28	4	9	18	7.3	.0	.0
Florida Peninsula							78.4	+1.1										79	8.19	+4.0										5.8		
Key West	22	10	64	29.91	29.93	−.04	80.2	+1.1	90	15	86	69	2	75	17	74	71	77	4.70	+1.2	9	6,830	se.	29	w.	28	9	14	8	5.4	.0	.0
Miami	25	124	168	29.93	29.96	−.03	77.7	+1.3	90	23	83	67	29	72	17	72	70	80	16.10	+9.9	20	6,831	se.	35	sw.	27	1	14	16	7.2	.0	.0
Tampa	35	88	197	29.92	29.95	−.04	77.2	+.9	90	20	85	59	28	69	22	70	68	80	3.78	+.8	9	7,883	e.	34	n.	28	11	13	7	4.7	.0	.0
Titusville	43	5	36	29.91	29.96	------	75.8	------	91	25	85	56	28	67	27	----	----	----	5.98	------	13	------	e.	----	------	----	7	10	14	----	.0	.0
East Gulf States							72.4	0.0										74	4.60	+0.7										5.4		
Atlanta	1,173	190	198	28.78	30.00	+.01	69.0	−.9	85	8	78	52	1	60	24	61	56	69	3.26	−.2	10	6,588	se.	26	nw.	29	13	12	6	4.8	.0	.0
Macon	370	76	84	29.59	29.98	−.01	70.9	−1.4	90	8	81	53	3	61	32	63	59	71	4.85	+1.9	10	4,987	e.	20	n.	29	11	10	10	5.4	.0	.0
Thomasville	273	49	58	29.68	29.97	−.02	73.0	−1.0	90	23	82	56	28	63	26	66	63	77	8.17	------	16	------	e.	----	------	----	5	8	18	----	.0	.0
Apalachicola	35	11	51	29.91	29.95	------	74.0	------	89	23	80	58	28	68	21	69	----	----	6.91	+3.5	8	------	w.	----	------	----	7	16	8	----	.0	.0
Pensacola	56	149	185	29.90	29.96	−.03	73.0	−.9	86	30	78	58	28	68	21	68	66	80	3.71	+.3	14	8,856	e.	56	ne.	31	13	9	9	5.0	.0	.0
Anniston	741	9	----	------	------	------	70.8	+2.4	90	8	82	49	28	59	35	----	----	----	1.82	−2.1	6	------	se.	----	------	----	17	8	6	----	.0	.0
Birmingham	700	11	48	29.23	29.98	.00	72.1	+1.0	91	31	83	52	28	62	28	62	57	67	2.26	−1.7	8	4,741	e.	18	s.	5	10	14	7	4.8	.0	.0
Mobile	57	125	161	29.89	29.95	−.04	74.0	−.4	90	30	82	56	28	66	26	67	65	78	5.63	+1.3	13	6,784	e.	30	nw.	23	10	11	10	5.5	.0	.0
Montgomery	218	92	106	29.73	29.98	−.01	73.4	.0	91	31	83	56	1	64	28	65	60	69	4.50	+.7	11	5,059	e.	25	sw.	5	9	10	12	6.1	.0	.0
Meridian	375	67	92	29.58	29.96	−.02	72.4	+1.1	95	31	83	54	3	62	33	64	60	73	3.79	−.5	12	3,997	ne.	20	w.	23	11	12	8	5.0	.0	.0
Vicksburg	247	65	73	29.71	29.97	.00	73.2	+.3	94	31	83	55	26	64	26	65	62	75	3.47	−.8	9	5,025	e.	25	s.	5	7	10	14	6.1	.0	.0
New Orleans	53	76	84	29.90	29.95	−.02	74.8	−.6	90	23	82	62	1	68	22	68	65	78	10.39	+5.8	16	4,971	e.	21	n.	5	11	12	8	5.5	.0	.0
West Gulf States							74.1	+0.8										70	2.00	−2.1										3.8		
Shreveport	249	92	227	29.70	29.97	+.02	73.6	.0	95	31	83	51	1	64	28	65	61	72	4.46	+.2	10	6,984	ne.	35	s.	5	13	11	7	4.2	.0	.0
Bentonville	1,303	11	44	28.63	29.98	+.05	67.4	+1.0	96	31	80	44	27	55	36	----	----	----	2.97	------	9	3,796	s.	18	s.	3	14	8	9	----	.0	.0
Fort Smith	457	79	94	29.49	29.96	+.03	71.9	+2.3	99	31	83	52	26	60	33	61	55	63	2.44	−2.4	9	5,041	e.	27	se.	4	14	8	9	4.4	.0	.0
Little Rock	357	94	102	29.61	29.98	+.03	71.3	+1.0	97	31	81	53	1	62	33	62	56	64	2.74	−2.0	10	5,251	e.	31	sw.	31	14	10	7	4.3	.0	.0
Austin	605	136	148	29.30	29.93	------	75.5	+.9	96	30	87	53	17	64	35	65	60	65	1.75	−2.9	7	5,458	se.	29	n.	23	15	11	5	3.8	.0	.0
Brownsville	57	88	96	29.84	29.90	------	78.0	−.6	93	24	86	63	16	70	26	70	68	79	1.50	−.8	6	6,862	se.	23	se.	2	18	12	1	3.4	.0	.0
Corpus Christi	20	11	78	29.91	29.94	+.04	76.8	+.6	90	6	84	58	16	70	27	70	67	76	1.24	−2.0	5	7,878	se.	27	e.	6	15	11	5	3.8	.0	.0
Dallas	512	220	227	29.40	29.94	------	73.4	------	94	31	83	53	16	64	29	63	58	64	.96	−3.5	5	8,268	se.	30	ne.	24	16	5	10	4.3	.0	.0
Fort Worth	670	106	114	29.26	29.96	+.05	74.4	+2.1	97	30	85	54	16	64	31	----	----	----	.82	−3.8	5	6,295	se.	26	nw.	14	22	6	3	2.6	.0	.0
Galveston	54	106	114	29.88	29.94	.00	75.4	+.6	87	7	80	61	16	71	15	69	66	77	.62	−2.8	4	7,558	se.	21	nw.	15	18	12	1	3.0	.0	.0
Houston	138	292	314	29.80	29.95	------	74.8	−.7	92	30	83	56	16	66	22	----	----	----	1.70	−2.8	6	8,236	se.	31	se.	2	16	11	4	3.8	.0	.0
Palestine	510	64	72	29.44	29.96	+.03	72.9	+.2	93	30	83	56	26	63	31	65	60	70	3.46	−1.1	9	5,243	ne.	24	s.	4	15	9	7	4.1	.0	.0
Port Arthur	34	58	66	29.91	29.95	------	75.4	------	89	29	83	59	27	68	25	----	----	----	2.67	−1.4	7	6,077	e.	24	ne.	7	13	17	1	4.0	.0	.0
San Antonio	693	242	301	29.20	29.90	.00	76.7	+1.6	97	30	87	58	16	66	30	66	61	65	1.65	−1.6	8	8,016	e.	35	se.	2	15	12	4	4.0	.0	.0

TABLE 1.—*Climatological data for Weather Bureau stations, May 1934*—Continued

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station, reduced to mean of 24 hours	Pressure: Sea level, reduced to mean of 24 hours	Pressure: Departure from normal	Temperature of the air: Mean max. + mean min. ÷ 2	Temperature of the air: Departure from normal	Temperature of the air: Maximum	Temperature of the air: Date	Temperature of the air: Mean maximum	Temperature of the air: Minimum	Temperature of the air: Date	Temperature of the air: Mean minimum	Temperature of the air: Greatest daily range	Mean wet thermometer	Mean temperature of the dew-point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with 0.01 or more	Wind: Total movement	Wind: Prevailing direction	Wind: Maximum velocity: Miles per hour	Wind: Maximum velocity: Direction	Wind: Maximum velocity: Date	Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month
	Ft.	Ft.	Ft.	In.	In.	In.	°F.	°F.	°F.		°F.	°F.		°F.	°F.	°F.	°F.	%	In.	In.		Miles								0–10	In.	In.
Ohio Valley and Tennessee							**67.6**	**+2.5**										**56**	**1.77**	**−2.0**										**4.2**		
Chattanooga	762	71	214	29.20	30.00	+0.01	71.4	+2.6	92	19	82	49	1	60	33	61	55	60	1.83	−2.0	8	5,035	ne.	32	sw.	10	12	11	8	4.7	.0	.0
Knoxville	995	66	84	28.96	30.00	+.01	69.2	+2.0	91	20	81	50	1	57	35	59	53	63	4.41	+.7	8	4,164	ne.	24	w.	5	19	8	4	3.4	.0	.0
Memphis	399	78	86	29.56	29.98	+.02	73.1	+2.5	98	31	82	53	26	64	27	62	55	58	2.54	−1.6	6	4,536	ne.	27	w.	21	15	8	8	4.1	.0	.0
Nashville	546	168	191	29.44	30.02	+.04	70.0	+1.8	91	31	81	52	25	59	33	60	53	60	1.61	−2.3	5	5,972	ne.	25	n.	29	7	17	7	5.4	.0	.0
Lexington	989	5	----	----	----	----	66.5	+2.2	91	21	80	43	26	54	35	----	----	----	1.52	−2.3	5	----	e.	----	----	----	19	7	5	----	.0	.0
Louisville	525	188	234	29.45	30.03	+.05	68.6	+2.0	91	31	79	45	25	58	29	58	49	54	3.25	−.5	6	6,288	n.	30	n.	24	14	12	5	3.9	.0	.0
Evansville	431	76	116	29.55	30.01	+.04	70.2	+3.5	95	31	81	44	25	60	31	58	50	52	2.12	−1.7	6	5,433	ne.	24	n.	24	13	12	6	4.2	.0	.0
Indianapolis	822	194	230	29.16	30.04	+.07	67.4	+4.5	94	31	79	40	12	56	34	55	45	48	.60	−3.3	5	7,112	sw.	30	w.	10	14	13	4	4.0	.0	.0
Terre Haute	575	96	129	29.40	30.02	----	67.6	----	95	31	80	38	25	55	36	56	46	49	.44	−3.4	4	6,506	sw.	29	n.	24	19	7	5	3.3	.0	.0
Cincinnati	627	11	51	29.35	30.02	+.03	66.7	+3.6	92	31	79	42	25	55	37	56	48	55	.98	−2.7	5	4,862	sw.	21	w.	10	13	12	6	4.3	.0	.0
Columbus	822	216	230	29.16	30.02	+.04	66.2	+3.9	92	31	78	39	12	55	30	55	46	51	.60	−3.0	6	6,972	ne.	31	w.	10	16	13	2	3.7	.0	.0
Elkins	1,947	59	78	28.02	30.05	+.05	59.5	+.3	87	21	74	33	26	45	41	52	46	64	2.16	−1.9	8	4,148	n.	28	w.	10	9	9	13	5.7	.0	.0
Parkersburg	637	77	84	29.40	30.05	+.06	65.8	+2.0	93	21	79	43	16	53	38	56	49	57	2.09	−1.3	6	4,142	nw.	36	w.	10	18	7	6	3.9	.0	.0
Pittsburgh	842	353	410	29.12	30.02	+.03	64.6	+2.2	89	20	76	39	12	53	31	54	45	51	.66	−2.6	5	6,465	sw.	30	nw.	21	17	9	5	4.0	.0	.0
Lower Lake Region							**60.4**	**+2.9**										**54**	**0.71**	**−2.5**										**4.0**		
Buffalo	768	243	280	29.17	30.00	+.03	56.8	+2.2	82	31	66	35	12	48	30	49	43	63	.54	−2.6	4	8,924	sw.	45	sw.	10	15	12	4	4.0	.0	.0
Canton	448	10	61	29.47	29.95	----	56.5	+.3	84	4	69	29	8	44	36	----	----	----	.77	−2.2	11	6,289	sw.	31	w.	10	15	9	7	4.5	T	.0
Ithaca	836	77	100	29.10	30.00	----	59.9	+2.4	90	21	75	31	13	45	41	51	42	54	.53	−2.9	7	5,980	nw.	27	w.	10	11	10	10	5.0	.0	.0
Oswego	335	71	85	29.63	30.00	+.03	55.7	+.5	81	10	66	35	13	45	33	48	41	60	1.15	−1.9	7	5,899	w.	21	sw.	10	9	13	9	5.1	.0	.0
Rochester	523	86	102	29.44	30.01	+.04	59.6	+2.5	88	21	71	36	16	48	30	49	39	47	.52	−2.4	4	5,919	nw.	34	w.	10	16	12	3	3.3	.0	.0
Syracuse	596	65	79	29.39	30.03	+.05	60.4	+3.1	85	31	73	35	13	48	36	----	----	----	.80	−2.2	7	5,161	nw.	21	nw.	7	8	17	6	5.2	.0	.0
Erie	714	130	166	29.25	30.01	+.03	60.8	+4.0	87	21	70	36	12	51	29	53	47	60	.55	−2.8	3	7,918	n.	40	w.	10	19	7	5	3.3	.0	.0
Cleveland	762	267	337	29.20	30.02	+.04	62.6	+4.7	89	21	72	38	12	53	29	52	44	53	.58	−2.5	3	8,705	n.	36	sw.	13	20	8	3	3.1	.0	.0
Sandusky	629	5	67	29.37	30.05	+.07	62.7	+3.5	93	21	74	38	16	52	39	----	----	----	.64	−2.5	4	6,021	ne.	23	nw.	11	13	14	4	4.0	.0	.0
Toledo	628	79	87	29.35	30.03	+.06	63.0	+3.6	90	20	74	34	12	52	34	53	44	53	.69	−2.8	5	6,533	w.	24	nw.	10	20	7	4	3.1	.0	.0
Fort Wayne	857	69	84	29.10	30.02	----	64.9	+4.7	92	31	77	35	12	53	36	54	44	50	1.20	−2.6	6	6,067	sw.	27	w.	10	14	12	5	3.9	.0	.0
Detroit	626	5	78	29.34	30.02	+.05	61.6	+3.6	91	19	75	32	12	48	39	52	42	50	.58	−2.6	5	7,079	sw.	33	sw.	13	13	15	3	4.0	.0	.0
Upper Lake Region							**57.3**	**+4.7**										**59**	**1.47**	**−1.8**										**4.8**		
Alpena	609	13	89	29.32	29.99	+.02	53.9	+3.4	85	6	66	28	12	42	46	46	40	64	1.75	−1.3	8	8,120	nw.	32	nw.	10	13	12	6	4.5	T	.0
Escanaba	612	54	60	29.31	29.98	+.01	51.8	+2.2	88	6	61	30	12	43	48	45	39	65	1.68	−1.2	11	7,856	s.	34	nw.	10	9	15	7	5.0	.0	.0
Grand Rapids	707	70	244	29.24	30.00	+.03	63.6	+5.6	95	31	76	33	12	51	31	52	42	50	1.96	−1.5	6	8,561	sw.	34	se.	13	14	14	3	3.8	.0	.0
Lansing	878	6	88	29.07	30.00	----	60.0	+3.1	88	31	74	28	12	46	37	53	46	61	1.33	−2.1	6	6,706	s.	29	nw.	10	12	14	5	4.5	.0	.0
Ludington	637	5	54	29.29	29.99	----	55.8	+3.6	85	31	66	29	12	46	33	48	----	----	.82	−2.2	6	----	sw.	----	----	----	12	11	8	----	.0	.0
Marquette	734	77	111	29.15	29.95	−.02	54.2	+5.2	99	31	66	34	11	42	55	45	39	62	.60	−2.4	7	8,030	sw.	44	s.	9	8	9	14	6.3	.0	.0
Sault Sainte Marie	614	11	52	29.29	29.99	+.04	50.8	+1.8	82	3	62	28	12	39	39	44	37	64	1.50	−1.5	14	6,671	nw.	33	nw.	10	10	11	10	5.2	T	.0
Chicago	673	7	131	29.29	30.01	+.05	65.2	+7.7	98	31	77	43	12	54	38	52	43	50	.67	−2.9	5	7,819	sw.	30	sw.	9	16	7	8	4.1	.0	.0
Green Bay	617	109	141	29.30	29.95	.00	61.3	+6.4	99	31	74	32	12	48	46	51	43	55	2.01	−1.5	9	8,606	s.	36	s.	16	9	11	11	5.6	.0	.0
Milwaukee	681	97	221	29.26	29.99	+.03	60.6	+6.5	93	9	72	36	12	49	48	51	42	53	2.73	−.6	5	9,519	sw.	40	sw.	9	12	12	7	4.1	.0	.0
Duluth	1,133	5	47	28.70	29.92	−.04	53.0	+5.7	91	28	65	32	15	41	46	45	38	62	1.10	−2.2	9	9,567	ne.	46	nw.	10	10	13	8	4.8	.0	.0
North Dakota							**63.6**	**+9.6**										**42**	**0.56**	**−1.8**										**4.8**		
Moorhead, Minn	940	50	58	28.86	29.86	−.08	63.6	+8.5	104	30	78	30	11	49	50	51	39	45	1.15	−1.7	11	7,576	s.	30	se.	19	9	14	8	5.5	.0	.0
Bismarck	1,674	8	57	28.11	29.86	−.06	65.6	+11.1	102	30	81	34	22	51	44	51	37	40	.09	−2.2	3	7,842	nw.	38	nw.	9	10	13	8	5.0	.0	.0
Devils Lake	1,478	11	44	28.32	29.88	−.06	61.3	+8.7	106	30	76	28	11	46	50	48	35	43	.68	−1.4	8	8,372	se.	34	nw.	9	10	12	9	5.6	.0	.0
Grand Forks	833	12	67	----	----	----	62.0	----	105	30	78	24	11	46	55	50	----	----	.90	----	6	----	nw.	39	nw.	9	8	20	3	----	.0	.0
Williston	1,878	41	48	27.92	29.87	−.06	64.1	+10.1	99	29	78	30	13	50	42	49	35	40	.33	−1.7	3	7,155	w.	39	nw.	8	18	10	3	3.1	.0	.0
Upper Mississippi Valley							**69.3**	**+7.7**										**47**	**0.78**	**−3.3**										**3.6**		
Minneapolis	918	102	208	28.93	29.89	----	68.7	+11.0	106	31	81	40	11	56	42	53	38	37	.21	−3.5	5	8,766	s.	44	nw.	9	8	16	7	5.1	.0	.0
La Crosse	714	11	48	29.16	29.91	−.03	68.0	+8.7	107	31	82	39	25	54	45	54	44	47	.91	−2.8	4	4,554	s.	21	w.	10	14	11	6	4.3	.0	.0
Madison	974	70	78	28.93	29.96	.00	65.7	+8.1	101	31	78	35	12	53	39	53	42	46	.82	−3.0	5	6,881	s.	30	w.	10	17	8	6	3.8	.0	.0
Charles City	1,015	10	51	28.88	29.93	−.01	68.0	+10.2	104	31	83	37	15	53	44	54	41	41	.54	−3.8	5	6,457	se.	32	se.	12	23	5	3	2.6	.0	.0
Davenport	606	66	161	29.34	29.99	+.04	70.2	+8.9	103	31	82	46	12	58	35	56	44	45	.81	−3.1	5	7,285	sw.	40	sw.	12	16	10	5	3.7	.0	.0
Des Moines	861	5	99	29.06	29.94	+.01	71.1	+9.8	105	30	84	41	25	58	38	56	45	44	1.06	−3.5	5	7,884	s.	35	w.	9	18	9	4	3.2	.0	.0
Dubuque	700	60	79	29.22	29.96	+.01	69.0	+8.7	104	31	82	41	25	56	36	54	42	43	.76	−3.5	6	5,003	s.	24	nw.	10	18	5	8	4.0	.0	.0
Keokuk	614	64	78	29.34	30.01	+.07	70.0	+6.2	102	31	81	47	25	59	32	58	49	51	1.34	−2.6	8	5,523	s.	24	nw.	10	19	7	5	3.3	.0	.0
Cairo	358	87	93	29.62	29.99	+.03	70.9	+2.5	94	31	81	46	25	61	30	60	54	60	1.59	−2.1	6	5,388	n.	23	n.	24	11	12	8	4.9	.0	.0
Peoria	609	11	45	29.35	30.02	+.06	68.7	+7.0	104	31	83	38	25	55	45	56	47	51	.47	−3.6	4	5,055	s.	21	nw.	10	24	3	4	2.1	.0	.0
Springfield, Ill	636	5	191	29.33	30.00	+.05	69.7	+6.5	101	31	82	42	16	57	38	56	46	48	.32	−4.1	5	8,067	s.	29	n.	21	18	9	4	3.4	.0	.0
St. Louis	568	265	303	29.40	29.99	+.04	71.2	+4.3	96	30	82	47	25	61	28	58	49	51	.54	−3.8	2	8,358	s.	30	s.	9	21	7	3	2.6	.0	.0
Missouri Valley							**70.2**	**+8.1**										**47**	**2.23**	**−1.9**										**3.2**		
Columbia, Mo	784	6	84	29.18	30.00	+.06	68.8	+4.5	101	31	82	42	26	56	37	----	----	----	1.35	−3.1	6	5,211	s.	22	s.	12	17	12	2	2.9	0.0	0.0
Kansas City	750	32	45	29.18	29.97	+.05	71.0	+6.2	103	30	83	46	26	59	35	59	52	56	3.14	−1.5	7	6,822	sw.	40	n.	21	17	9	5	3.7	.0	.0
St. Joseph	967	11	49	28.95	29.97	----	70.8	----	103	30	83	45	25	58	34	58	49	53	2.34	−1.9	7	5,822	sw.	31	w.	4	21	6	4	2.6	.0	.0
Springfield, Mo	1,324	98	104	28.61	30.00	+.07	68.2	+3.7	95	31	79	47	25	58	28	58	51	59	2.07	−3.1	8	6,390	s.	32	se.	21	20	8	3	2.5	.0	.0
Iola	984	11	50	28.95	29.98	+.06	68.4	+3.2	98	31	82	45	16	55	36	----	----	----	5.74	+1.0	6	----	s.	----	----	----	16	9	6	----	.0	.0
Topeka	987	65	87	----	----	----	70.4	+6.1	103	30	84	48	25	57	36	----	----	----	6.47	+2.0	7	6,700	s.	28	sw.	12	20	6	5	2.9	.0	.0
Lincoln	1,189	11	81	28.68	29.92	+.01	71.9	+10.2	104	30	86	39	25	58	38	57	47	47	.49	−3.6	5	8,449	s.	30	n.	21	16	11	4	3.6	.0	.0
Omaha	1,105	170	220	28.78	29.94	+.02	72.9	+10.5	103	30	86	49	14	60	33	56	43	41	.60	−3.2	2	9,343	s.	37	n.	21	20	7	4	2.9	.0	.0
Valentine	2,598	47	54	27.24	29.90	.00	67.4	+11.2	102	29	83	35	14	52	43	53	41	44	1.03	−1.8	5	8,023	s.	32	nw.	31	15	12	4	4.1	.0	.0
Sioux City	1,138	64	106	28.70	29.89	−.03	72.6	+12.2	105	30	86	39	25	59	40	56	43	40	.60	−3.4	4	8,628	s.	32	nw.	9	17	10	4	3.9	.0	.0
Huron	1,306	60	74	28.50	29.86	−.06	70.0	+13.6	106	30	86	38	24	54	46	54	38	37	.65	−2.3	3	8,317	s.	33	nw.	31	25	4	2	2.5	.0	.0
Northern Slope							**61.9**	**+9.1**										**46**	**.71**	**−01.7**										**4.7**		
Billings	3,140	4	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Havre	2,505	11	67	27.31	29.91	+.01	62.5	+9.1	95	29	77	34	13	48	43	49	37	46	.58	−1.5	10	7,466	sw.	37	sw.	20	13	16	2	4.0	.0	.0
Helena	4,124	85	111	25.77	29.91	−.02	59.6	+8.0	89	25	73	31	13	46	39	47	37	47	.34	−2.0	9	6,434	sw.	48	s.	25	4	17	10	6.1	T	.0
Kalispell	2,973	48	56	26.92	29.94	+.06	57.2	+5.8	89	24	70	33	21	45	39	48	39	58	1.22	−.2	8	5,061	w.	23	w.	26	7	18	6	5.5	.0	.0
Miles City	2,371	48	55	27.41	29.91	.00	66.9	+10.2	101	29	81	32	13	52	43	50	34	36	.34	−1.9	2	5,213	s.	30	s.	8	17	13	1	3.5	.0	.0
Rapid City	3,259	50	58	26.57	29.91	+.01	66.6	+12.6	97	27	81	32	13	52	42	52	38	39	.44	−3.1	4	6,727	n.	27	w.	7	13	15	3	3.9	.0	.0
Cheyenne	6,094	50	71	24.04	29.90	+.05	59.2	+8.9	86	28	73	29	13	46	37	46	35	47	1.66	−.8	10	6,934	w.	29	nw.	8	8	14	9	5.7	2.3	.0
Lander	5,372	60	68	24.65	29.90	+.02	61.2	+10.0	87	27	77	32	13	46	40	46	33	43	.92	−1.3	3	4,322	sw.	29	sw.	8	17	12	2	3.4	3.5	.0
Sheridan	3,790	10	47	26.07	29.91	----	61.4	----	94	26	79	30	13	44	49	49	37	48	.53	−2.1	3	3,890	nw.	21	sw.	8	13	16	2	3.8	.0	.0
Yellowstone Park	6,241	11	48	23.92	29.94	+.03	54.7	+7.3	82	28	70	22	13	40	41	42	31	48	.42	−1.8	5	6,793	sw.	30	sw.	8	6	16	9	5.9	T	.0
North Platte	2,821	11	51	27.02	29.89	+.01	68.9	+10.2	99	8	83	40	10	54	42	55	46	53	.65	−2.1	7	6,530	s.	27	s.	1	10	14	7	5.2	.0	.0

TABLE 1.—*Climatological data for Weather Bureau stations, May 1934*—Continued

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station, reduced to mean of 24 hours	Pressure: Sea level, reduced to mean of 24 hours	Pressure: Departure from normal	Temperature of the air: Mean max. + mean min. ÷ 2	Temperature of the air: Departure from normal	Temperature of the air: Maximum	Temperature of the air: Date	Temperature of the air: Mean maximum	Temperature of the air: Minimum	Temperature of the air: Date	Temperature of the air: Mean minimum	Temperature of the air: Greatest daily range	Mean wet thermometer	Mean temperature of the dew-point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with 0.01 or more	Wind: Total movement	Wind: Prevailing direction	Wind: Maximum velocity: Miles per hour	Wind: Maximum velocity: Direction	Wind: Maximum velocity: Date	Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month
	Ft.	Ft.	Ft.	In.	In.	In.	°F.	°F.	°F.		°F.	°F.		°F.	°F.	°F.	°F.	%	In.	In.		Miles								0-10	In.	In.
Middle Slope							68.6	+6.1										52	2.22	−1.1										4.6		
Denver	5,292	106	113	24.74	29.90	+0.06	64.6	+8.4	88	18	77	32	13	52	36	49	36	41	1.58	−0.6	10	6,068	s.	27	se.	29	7	14	10	5.7	1.0	0.0
Pueblo	4,685	80	86	25.29	29.89	+.06	67.0	+7.8	93	28	83	37	14	52	46	49	35	40	.47	−1.1	5	5,725	nw.	30	sw.	30	6	22	3	5.2	.0	.0
Concordia	1,392	50	58	28.52	29.97	+.06	70.5	+7.3	101	30	82	46	15	58	37	58	50	56	2.55	−1.6	9	7,082	s.	28	ne.	21	15	9	7	3.9	.0	.0
Dodge City	2,509	10	86	27.39	29.95	+.08	69.5	+6.0	98	28	83	41	15	56	39	55	46	52	1.00	−1.9	8	10,333	s.	35	s.	1	17	8	6	3.8	.0	.0
Wichita	1,358	85	93	28.54	29.96	+.06	69.2	+4.1	100	31	80	47	14	59	33	58	51	58	4.14	−.3	8	8,242	sw.	33	sw.	12	17	5	9	4.2	.0	.0
Oklahoma City	1,214	10	47	28.70	29.95	+.06	70.9	+3.2	98	31	82	48	16	60	32	60	55	64	3.61	−1.3	7	6,799	s.	24	se.	2	12	9	10	5.1	.0	.0
Southern Slope							73.4	+2.8										51	1.83	−0.8										3.8		
Abilene	1,738	10	52	28.15	29.92	+.05	74.7	+2.7	101	29	88	45	16	62	41	60	52	56	1.45	−2.5	5	7,013	s.	25	s.	1	19	5	7	3.7	.0	.0
Amarillo	3,676	10	49	26.27	29.93	+.09	68.9	+4.8	94	17	82	40	14	56	40	55	46	54	3.21	+.4	10	7,657	s.	32	sw.	2	12	15	4	4.1	.0	.0
Big Spring	2,537	5	62	27.34	29.91	------	74.0	------	99	21	87	44	15	61	40	59	50	52	.20	------	3	------	s.	----	------	----	17	9	5	3.5	.0	.0
Del Rio	944	64	71	28.89	29.85	.00	78.6	+1.6	102	6	90	55	16	67	33	64	55	53	1.77	−1.1	7	7,133	se.	29	se.	22	12	15	4	4.1	.0	.0
Roswell	3,566	75	85	26.33	29.87	+.05	71.4	+2.0	98	29	86	45	3	56	43	54	40	40	.89	−.2	6	6,758	s.	35	nw.	12	12	17	2	3.8	.0	.0
Southern Plateau							71.2	+5.8										36	0.63	+0.3										3.1		
El Paso	3,778	152	175	26.14	29.82	+.04	76.8	+5.3	98	29	90	51	3	64	37	55	37	29	.37	.0	2	7,815	e.	45	nw.	22	22	8	1	2.2	.0	.0
Albuquerque	4,972	5	39	25.04	29.82	------	67.1	------	92	29	83	40	3	51	43	51	39	44	.72	------	5	7,307	n.	41	w.	2	10	14	7	4.9	.0	.0
Santa Fe	7,013	38	53	23.30	29.86	+.05	61.0	+5.3	83	9	74	34	3	48	36	46	34	45	2.67	+1.4	6	5,081	e.	24	s.	13	11	14	6	4.7	.0	.0
Flagstaff	6,907	10	59	23.37	29.83	+.05	55.6	+4.9	82	10	72	30	15	39	46	42	----	43	1.41	------	5	6,696	sw.	35	sw.	1	12	13	6	----	T	.0
Phoenix	1,108	10	107	28.65	29.77	−.01	83.2	+8.2	111	10	99	54	2	68	40	57	34	23	.10	.0	2	4,744	e.	28	sw.	27	21	6	4	2.7	.0	.0
Yuma	141	9	54	29.63	29.77	−.02	81.8	+5.6	112	11	99	55	2	64	43	60	43	33	.00	.0	0	4,518	w.	30	w.	1	28	3	0	.8	.0	.0
Independence	3,957	5	26	25.91	29.88	+.04	68.7	+5.7	94	10	84	42	26	53	38	49	----	----	.03	−.1	1	------	s.	----	------	----	19	7	5	----	.0	.0
Middle Plateau							63.9	+8.0										34	0.67	−0.3										3.6		
Reno	4,527	61	76	25.45	29.90	−.01	60.2	+6.6	88	10	75	35	2	45	41	46	35	47	1.35	+.7	2	5,939	w.	31	w.	31	14	13	4	3.8	0.0	0.0
Tonopah	6,090	12	20	------	------	------	62.2	------	85	11	74	34	1	50	40	44	25	28	T	------	0	------	se.	----	------	----	----	----	----	----	.0	.0
Winnemucca	4,344	18	56	25.57	29.90	−.01	61.7	+7.8	92	22	78	32	2	45	49	45	28	36	.23	−.6	1	5,985	sw.	30	nw.	31	16	13	2	3.2	.0	.0
Modena	5,473	10	46	24.58	29.83	+.01	60.6	+7.1	90	11	79	31	3	42	45	42	20	25	.28	−.5	1	8,417	sw.	37	sw.	31	19	5	7	3.3	.3	.0
Salt Lake City	4,360	86	210	25.56	29.85	−.01	68.2	+10.8	90	6	81	38	2	55	36	49	32	29	.01	−1.9	1	6,493	s.	31	se.	1	18	8	5	3.6	.0	.0
Grand Junction	4,602	60	68	25.35	29.88	+.05	68.9	+7.8	91	21	82	43	14	55	36	50	35	38	1.48	+.7	5	5,532	se.	30	w.	29	15	9	7	4.0	.0	.0
Northern Plateau							62.6	+6.5										44	0.24	−1.1										5.2		
Baker	3,471	48	53	26.43	29.98	+.02	58.0	+6.3	89	27	73	30	9	43	49	46	35	49	.45	−1.1	4	5,187	n.	21	sw.	7	7	21	3	5.1	.0	.0
Boise	2,739	79	87	27.09	29.91	−.03	65.4	+8.3	93	23	80	36	9	51	39	50	36	40	.10	−1.3	4	4,580	nw.	28	se.	28	10	13	8	5.0	.0	.0
Pocatello	4,477	60	68	25.44	29.88	−.01	63.2	+9.4	88	22	78	34	2	48	43	46	29	34	T	−1.5	0	6,509	se.	24	sw.	20	13	13	5	4.4	.0	.0
Spokane	1,929	101	110	27.92	29.95	−.01	61.2	+5.7	96	28	74	38	21	49	38	49	38	48	.25	−1.2	5	5,442	s.	24	sw.	30	5	15	11	6.2	.0	.0
Walla Walla	991	57	65	28.89	29.95	−.01	64.6	+5.0	99	28	77	43	21	53	40	52	40	46	.41	−1.2	5	4,531	s.	21	w.	19	10	12	9	5.2	.0	.0
Yakima	1,076	58	67	28.83	29.97	------	63.4	+4.4	100	28	77	38	9	50	39	51	39	48	.20	−.4	3	5,432	nw.	26	sw.	4	12	6	13	5.3	.0	.0
North Pacific Coast Region							58.3	+4.7										71	2.64	+0.3										6.8		
North Head	211	11	56	29.81	30.04	+.01	55.4	+4.5	83	13	60	46	3	51	28	52	49	82	4.37	+1.4	15	10,743	n.	56	s.	4	6	10	15	6.7	.0	.0
Seattle	125	90	321	29.88	30.01	.00	58.8	+4.3	92	13	67	45	9	51	38	51	45	65	2.48	+.6	13	6,610	se.	28	w.	5	7	9	15	6.4	.0	.0
Tatoosh Island	86	10	54	29.93	30.02	+.01	54.1	+4.5	81	13	58	45	4	50	27	50	48	83	5.20	+1.2	15	9,627	w.	56	s.	4	5	5	21	7.4	.0	.0
Medford	1,329	29	58	28.57	29.97	------	60.9	------	93	13	74	36	1	48	47	52	44	62	.99	−.2	11	5,195	nw.	25	se.	28	5	8	18	6.8	.0	.0
Portland, Oreg.	153	68	106	29.86	30.02	−.01	61.4	+4.5	90	22	71	43	20	52	34	54	48	67	1.60	−.6	14	4,836	nw.	18	ne.	13	6	5	20	7.0	.0	.0
Roseburg	510	45	76	29.47	30.02	−.01	61.6	+5.6	95	13	74	39	9	50	48	54	48	69	1.21	−.7	11	3,605	n.	21	sw.	4	4	11	16	6.8	.0	.0
Middle Pacific Coast Region							64.0	+4.4										68	0.64	−0.5										4.2		
Eureka	62	73	89	29.99	30.06	+.01	56.8	+4.8	70	4	62	45	9	52	17	53	51	85	1.23	−.6	11	5,651	n.	24	sw.	4	11	8	12	5.6	.0	.0
Red Bluff	330	5	58	29.57	29.92	−.03	70.2	+3.9	100	21	84	46	1	57	39	58	48	54	.96	−.2	8	4,335	n.	18	n.	12	13	9	9	4.8	.0	.0
Sacramento	66	87	115	29.85	29.92	−.02	68.2	+4.9	98	11	82	45	1	54	41	57	48	58	.26	−.5	3	6,017	s.	21	s.	31	23	7	1	2.2	.0	.0
San Francisco	155	208	243	29.81	29.98	−.01	60.6	+3.8	87	11	68	50	1	54	31	54	50	74	.12	−.7	3	6,350	w.	29	nw.	31	14	10	7	4.3	.0	.0
South Pacific Coast Region							67.8	+4.5										64	0.02	−0.4										3.6		
Fresno	327	97	105	29.56	29.91	−.01	71.3	+4.2	100	11	86	48	2	57	39	56	43	44	.03	−.4	1	5,889	nw.	25	w.	22	18	7	6	3.3	.0	.0
Los Angeles	338	159	191	29.57	29.93	−.02	67.5	+5.3	95	10	77	53	2	58	29	59	54	70	.00	−.4	0	4,339	sw.	18	w.	1	18	13	0	3.3	.0	.0
San Diego	87	62	70	29.84	29.93	−.02	64.7	+3.9	83	10	70	54	3	59	21	59	57	79	.02	−.3	1	5,173	sw.	20	w.	1	17	10	4	4.1	.0	.0
West Indies																																
San Juan P.R.	82	9	54	29.91	30.00	------	78.6	.0	91	26	84	70	17	73	18	----	----	----	1.78	−3.5	13	9,039	e.	30	e.	4	4	22	5	5.7	.0	.0
Panama Canal																																
Balboa Heights	118	6	97	------	[1] 29.83	+.01	80.4	−.3	91	6	86	71	30	74	16	----	----	[1] 86	4.96	−2.9	19	3,777	nw.	19	n.	11	1	14	16	7.3	.0	.0
Cristobal	36	6	97	------	[1] 29.84	+.01	81.8	+1.1	90	22	87	73	30	77	16	77	76	[1] 84	11.94	−.5	17	5,126	n.	20	n.	6	2	6	23	7.7	.0	.0
Alaska																																
Fairbanks	454	11	87	[2] 29.28	[2] 29.79	------	45.4	------	72	21	56	27	10	35	34	38	29	58	.22	------	7	5,311	sw.	32	s.	12	1	7	23	8.1	.3	.0
Juneau	80	96	116	[2] 29.83	[2] 29.92	------	49.2	------	71	22	57	35	10	42	30	44	38	68	2.75	------	17	5,343	s.	29	se.	19	6	4	21	7.5	.0	.0
Hawaiian Islands																																
Honolulu	38	86	100	[2] 30.01	[2] 30.05	------	75.0	+.2	83	25	80	68	18	71	13	69	66	75	.57	−1.2	13	7,018	e.	24	ne.	12	14	14	3	3.9	.0	.0

[1] Observations taken bihourly.

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

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

MAY 1934

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.*
Cape Race, Newfoundland	99				40.7		47.6	33.9	68	26	3.52		0.6
Sydney, Cape Breton Island	48	29.91	29.96	−0.01	48.4	+3.2	59.3	37.5	80	26	3.04	−0.73	.0
Halifax, Nova Scotia	88	29.70	29.80	−.18	50.4	+2.0	59.4	41.4	78	31	3.03	−1.23	.0
Yarmouth, Nova Scotia	65	29.86	29.93	−.05	49.8	+2.2	57.8	41.8	67	32	1.68	−1.89	.0
Charlottetown, Prince Edward Island	38	29.85	29.89	−.07	49.2	+2.3	57.0	41.3	77	31	2.83	−.08	.0
Chatham, New Brunswick	28	29.78	29.81	−.14	51.8	+3.3	64.3	39.3	86	26	1.80	−1.41	.0
Father Point, Quebec	20	29.83	29.85	−.08	46.1	+2.1	54.3	37.9	72	38	1.86	−.72	.2
Quebec, Quebec	296	29.60	29.92	−.02	53.7	+3.8	64.2	43.3	79	32	2.75	−.33	.0
Doucet, Quebec	1,236				45.3		59.0	31.5	80	10	2.12		.9
Montreal, Quebec	187												
Ottawa, Ontario	236	29.68	29.94	.00	57.3	+2.4	69.3	45.2	86	31	1.30	−1.29	.0
Kingston, Ontario	285	29.67	29.98	+.02	53.6	+.7	62.9	44.2	74	34	1.07	−1.61	.0
Toronto, Ontario	379	29.58	29.98	.00	57.7	+4.5	69.4	46.0	86	34	.47	−2.57	.0
Cochrane, Ontario	930				45.2		59.2	31.1	81	23	2.59		1.6
White River, Ontario	1,244	28.61	29.93	−.02	47.1	+1.4	61.8	32.4	79	21	1.20	−.75	.1
London, Ontario	808				56.4		69.9	42.8	86	27	.98		.0
Southampton, Ontario	656	29.28	30.00	+.04	49.8	−.9	58.7	40.9	80	26	1.37	−1.07	.0
Parry Sound, Ontario	688	29.28	29.98	+.03	53.1	+2.0	64.5	41.7	78	29	1.71	−1.22	.0
Port Arthur, Ontario	644	29.20	29.91	−.05	50.2	+4.3	60.7	39.8	86	31	1.28	−.87	2.9
Winnipeg, Manitoba	760	29.06	29.88	−.08	56.2	+4.6	69.6	42.9	100	18	.63	−1.65	.0
Minnedosa, Manitoba	1,690	28.09	29.89	−.07	54.7	+6.3	69.8	39.6	91	20	.48	−.97	.0
Le Pas, Manitoba	860		29.93		50.8		62.0	39.7	85	22	2.10		.0
Qu'Appelle, Saskatchewan	2,115	27.61	29.83	−.11	56.9	+7.1	72.3	41.5	95	21	.80	−.85	.0
Moose Jaw, Saskatchewan	1,759				60.2		75.8	44.7	100	29	.63		.0
Swift Current, Saskatchewan	2,392	27.33	29.80	−.12	60.7	+10.0	75.7	45.8	98	30	.39	−1.37	.0
Medicine Hat, Alberta	2,365	27.37	29.82	−.07	60.9	+6.8	74.5	47.4	97	33	.46	−.85	.0
Calgary, Alberta	3,540	26.22	29.84	−.04	55.3	+6.3	68.9	41.7	87	32	.60	−1.17	.4
Banff, Alberta	4,521	25.38	29.92	+.04	50.1	+3.1	64.4	35.8	85	27	1.72	−.32	.0
Prince Albert, Saskatchewan	1,450	28.34	29.90	−.05	56.6	+9.0	69.2	44.0	89	25	.84	−.42	.1
Battleford, Saskatchewan	1,592	28.13	29.85	−.07	57.9	+6.9	72.8	43.1	90	28	.83	−.79	.2
Edmonton, Alberta	2,150												
Kamloops, British Columbia	1,262	28.65	29.93	+.04	60.7	+1.6	74.2	47.2	93	36	.49	−.75	.0
Victoria, British Columbia	230	29.76	30.01	+.01	54.8	+2.3	61.5	48.1	76	41	1.22	−.26	.0
Barkerville, British Columbia	4,180												
Estevan Point, British Columbia	20				51.6		56.7	46.6	72		7.73		.0
Prince Rupert, British Columbia	170				49.4		55.9	42.9	72	37	5.80		.0
Hamilton, Bermuda	151	29.98	30.14	+.08	72.3	+2.9	77.1	67.5	82	61	3.60	−1.06	.0

LATE REPORTS FOR APRIL 1934

Banff, Alberta	4,521	25.37	29.93	+.03	44.8	+9.5	59.4	30.2	78	15	.94	−.14	2.5

SEVERE LOCAL STORMS, MAY 1934

(Compiled by Mary O. Souder)

[The table herewith contains such data as have been received concerning severe local storms that occurred during the month. A revised list of tornadoes will appear in the Annual Report of the Chief of Bureau]

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks	Authority
Sedan, Kans., and vicinity	3	3 p.m.	50		$1,000	Tornado	Barn and small buildings damaged; storm accompanied by hail that was heavy in spots; poultry house collapsed killing 400 young chickens.	Official, U.S. Weather Bureau.
Wynne Wood, Okla.	3	5:15 p.m.	75–100		150,000	do	10 homes completely demolished and many others considerably damaged; several persons slightly injured.	Do.
Winfield, Kans., 6 miles south	4	2:30 p.m.			500	High wind	Residence and 2 chicken houses damaged; storm had characteristics of tornado; path narrow and 1 mile long.	Do.
Bartlesville, Okla., 7 miles east	4	do			3,500	Tornado	Hillsdale schoolhouse badly damaged; other damage principally to few rural homes and barns.	Do.
Paris, Tex.	4	do			2,000	Hail	Damage to greenhouses, roofs, and windows.	Do.
Tulsa, Okla., 10 miles southeast	4	3 p.m.	440	3	50,000	Tornado	About 20 houses and number of farm buildings demolished; poultry and livestock lost; path 4 miles long.	Do.
Howden, Okla., to south of South Coffeyville, Kans.	4	3:30 p.m.	880	1	35,000	do	Woman killed when her farm home was demolished; 12 others slightly injured; path 10 miles long.	Do.
Warrensburg and Valley City, Mo., vicinity of	4	4 p.m.				Rain and hail	Some hailstones as large as guinea eggs; considerable damage to all crops, especially gardens, some of which had to be made over; fields badly washed.	Do.
McCurtain County, Okla., extreme southeastern portion.	4	do	[1] 2		50,000	Hail	Some damage to buildings; severe loss to crops; all gardens in path of storm practically destroyed; path 15 miles long.	Do.
Oklahoma to 2 miles southeast of Coffeyville, Kans.	4	4:30 p.m.	1,320	1	4,800	Tornado	Telephone lines down; 2 motor cars wrecked; several farm buildings and an old highway bridge demolished; 5 persons injured; path 5 miles long. Additional damage in Oklahoma.	Do.