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, January 1934

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	50.2	+3.9	2 stations	79	[1] 1	2 stations	5	30	3.71	−1.22	Robertsdale	6.95	Tallassee	1.47
Arizona	45.1	+1.0	Benson	84	25	Fort Valley	1	8	.33	−.79	Naco	1.00	5 stations	.00
Arkansas	44.5	+3.1	Highland	78	28	2 stations	2	30	2.85	−1.40	Crossett	5.50	Mammoth Spring	1.39
California	46.9	+2.1	Palm Springs	85	31	Bridgeport	−10	[1] 8	2.08	−2.73	Crescent City (near)	12.23	3 stations	.00
Colorado	30.3	+6.4	Two Buttes	76	31	Hermit (near)	−26	12	.22	−.53	Columbine	1.67	12 stations	.00
Florida	61.6	+2.4	5 stations	87	[1] 26	Monticello	18	31	1.49	−1.27	Cottage Hill	8.45	Belle Glade	.14
Georgia	49.8	+2.6	2 stations	82	[1] 4	Blairsville	−10	30	2.61	−1.55	Rome	6.44	Fargo	.92
Idaho	32.3	+8.2	Grand View	65	23	Obsidian	−16	12	2.24	+.15	Roland	15.95	May	.00
Illinois	33.9	+7.4	Sparta	69	27	3 stations	−10	[1] 29	1.18	−1.11	Greenville	2.40	Keithsburg	.49
Indiana	34.4	+5.3	2 stations	67	24	Whiting	−7	29	1.38	−1.72	Frankfort	2.47	Whiting	.41
Iowa	26.9	+8.3	Keokuk	67	24	3 stations	−14	29	.83	−.24	Iowa Falls	2.15	Olin	.19
Kansas	36.3	+6.5	Sedan	74	24	Centralia	−7	30	.43	−.23	Norwich	2.32	2 stations	.00
Kentucky	40.4	+4.6	Quicksand	72	24	Mount Sterling	−3	30	1.85	−2.49	Manchester	3.56	Quicksand	.67
Louisiana	54.0	+2.4	Lake Charles	82	1	6 stations	20	[1] 9	6.86	+1.99	De Ridder	10.69	Pearl River	3.18
Maryland-Delaware	37.1	+4.2	4 stations	70	25	3 stations	−6	[1] 29	2.49	−.74	Grantsville, Md	5.66	Keedysville, Md	1.09
Michigan	26.6	+6.6	St. Joseph	62	25	St. Ignace	−24	29	1.23	−.65	Deer Park	3.30	Owasso	.23
Minnesota	16.1	+6.3	Pipestone	54	27	Big Falls	−46	29	.55	−.18	Pigeon River Bridge	1.20	Tracy	.05
Mississippi	50.5	+3.2	Forest	80	1	4 stations	9	30	3.37	−1.65	Hattiesburg	7.48	Jackson	1.24
Missouri	36.1	+5.2	3 stations	71	[1] 24	Harrisonville	−6	30	1.24	−.98	Dexter	2.73	Conception	.37
Montana	29.4	+9.6	Browning	66	20	Browning	−25	24	.72	−.16	Heron	7.33	2 stations	T
Nebraska	31.5	+9.6	4 stations	70	27	Nenzel	−13	25	.29	−.26	Hay Springs	1.21	4 stations	.00
Nevada	37.3	+7.9	Las Vegas	73	[1] 22	San Jacinto	0	25	.47	−.71	Marlette Lake	2.15	2 stations	.00
New England	22.8	+.1	4 stations	57	25	Bloomfield, Vt	−44	31	3.31	−.07	Lincoln, Maine	5.92	Bethlehem, N.H	1.47
New Jersey	33.6	+2.7	Belleplain	64	28	Charlottesburg	−1	31	2.55	−1.02	Woodcliff Lake	4.07	Belleplain	.92
New Mexico	34.7	+1.0	2 stations	80	[1] 1	Therma (near)	−31	8	.21	−.35	Levy	1.55	27 stations	.00
New York	25.2	+2.0	Flushing	58	28	McKeever	−33	30	2.80	−.10	Hoffmeister	5.47	Elmira	.94
North Carolina	44.5	+2.9	2 stations	80	7	Mount Mitchell	−18	30	2.17	−1.47	Highlands	6.38	Lumberton	.71
North Dakota	15.8	+9.6	do	54	[1] 24	Edmore	−36	29	.20	−.27	3 stations	.80	Wishek	.00
Ohio	33.3	+4.8	3 stations	64	[1] 21	Bangorville	−5	30	1.55	−1.48	Phalanx	2.48	Versailles	.73
Oklahoma	42.4	+4.1	Hollis	79	24	Watts	8	29	1.75	+.29	Eufaula	3.70	Hollis	.00
Oregon	40.0	+8.1	Fremont	82	31	Sand Creek	1	11	3.81	−.01	Tillamook	17.11	Umatilla	.10
Pennsylvania	32.2	+4.3	Irwin	67	1	Gouldsboro	−19	29	2.54	−.71	Elk Lick	5.27	Mount Lebanon	.97
South Carolina	47.3	+1.4	Ferguson	82	6	Caesars Head	−2	30	1.88	−1.68	Caesars Head	4.57	Effingham	.34
South Dakota	25.7	+9.5	3 stations	67	[1] 23	White Lake	−22	3	.25	−.30	Lead	1.32	4 stations	.00
Tennessee	42.8	+3.7	McKenzie	78	24	Elkmont	−4	30	2.91	−1.78	Kingston	4.98	Kenton	1.35
Texas	50.6	+2.4	Fort Stockton	89	24	Muleshoe	7	8	3.72	+1.90	Bronson	12.45	7 stations	.00
Utah	31.2	+6.0	2 stations	67	[1] 29	Soldier Summit	−18	12	.79	−.41	Silver Lake	4.02	Hanksville	.00
Virginia	40.5	+3.9	do	77	[1] 27	Burkes Garden	−7	30	1.62	−1.51	Pennington Gap	4.00	Woodstock	.55
Washington	38.1	+6.1	North Head	66	28	Stockdill's Ranch	−17	15	7.13	+2.21	Wynooche Oxbow	35.06	Sunnyside	.28
West Virginia	36.7	+4.2	Bancroft	71	7	Bayard	−15	29	2.75	−.87	Davis	6.98	Union	.54
Wisconsin	23.3	+8.0	Wisconsin Dells	57	24	Danbury	−28	29	.85	−.33	Marshfield	1.82	Viroqua	.30
Wyoming	26.9	+6.8	Wheatland	68	23	Moran	−25	12	.52	−.27	Bechler River	4.56	Cody	.00
Alaska														
Hawaii	70.2	+1.9	2 stations	88	[1] 18	Kanalohuluhulu	39	16	6.13	−3.12	Puhonua	35.36	2 stations	.00
Puerto Rico	72.5	−.2	Lares	92		Guineo Reservoir	39	30	4.27	+.69	Toa Alta	10.02	Potala	.00

[1] Other dates also.

TABLE 1.—*Climatological data for Weather Bureau Stations, January 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.	Pct.	In.	In.		Miles								0-10	In.	In.
New England							**25.9**	**+1.4**										**77**	**3.30**	**-0.2**										**6.4**		
Eastport	76	67	85	29.95	30.04	+0.04	19.4	-1.0	44	23	28	-13	31	11	51	17	15	87	2.94	-1.0	15	9,427	nw.	51	e.	14	9	5	17	6.5	14.4	9.0
Greenville, Maine	1,070	6	----	28.81	30.04	------	10.8	------	41	6	20	-28	31	0	41	----	----	----	2.89	------	14	5,412	nw.	26	------	24	11	2	18	----	27.9	----
Portland, Maine	103	82	117	29.94	30.07	+.02	23.6	+1.2	48	6	32	-11	31	15	41	20	15	73	4.40	+.4	15	6,287	n.	35	s.	23	12	9	10	5.2	12.7	5.5
Concord	289	70	79	------	------	------	21.7	+.1	48	6	31	-16	31	12	39	----	----	----	2.66	------	12	------	nw.	----	------	----	7	13	11	----	16.1	----
Burlington	403	11	48	29.61	30.08	+.03	16.4	-2.4	41	6	25	-17	31	8	43	----	----	----	3.04	+1.3	12	8,641	s.	41	s.	22	7	6	18	7.2	28.0	4.5
Northfield	876	12	60	------	30.09	+.04	16.2	+1.0	46	6	28	-30	31	5	49	----	----	88	2.52	+.2	13	5,561	n.	22	s.	31	5	10	16	7.2	22.7	17.8
Boston	125	336	360	29.93	30.07	+.02	29.6	+1.7	56	25	37	-2	29	22	38	26	19	69	2.67	-.9	9	11,349	w.	54	w.	29	6	13	12	6.6	.8	.0
Nantucket	12	14	90	30.05	30.06	+.02	32.8	+1.5	50	1	39	7	30	26	33	30	26	79	3.30	-.5	11	11,469	w.	38	ne.	2	8	10	13	6.6	.8	.0
Block Island	26	11	46	30.05	30.08	+.01	33.2	+2.2	49	28	39	8	30	28	34	31	26	77	3.06	-.7	9	13,472	w.	45	nw.	24	7	12	12	6.1	T	.0
Providence	160	215	251	29.90	30.08	+.02	30.6	+3.4	57	25	38	0	29	23	34	27	21	70	3.80	+.1	8	9,264	nw.	49	nw.	29	9	12	10	5.4	.1	.0
Hartford	159	70	104	------	30.11	+.04	29.9	+4.4	56	25	37	2	29	23	28	----	----	----	3.74	-.2	9	6,241	nw.	----	------	----	7	11	13	----	1.1	T
New Haven	106	74	153	29.99	30.11	+.03	31.6	+3.4	53	25	39	5	30	25	28	28	22	71	3.52	-.5	7	6,399	n.	27	w.	29	3	15	13	6.6	T	T
Middle Atlantic States							**36.6**	**+4.4**										**72**	**2.23**	**-1.0**										**6.6**		
Albany	97	107	115	30.00	30.12	+.05	25.2	+2.1	50	25	33	-6	29	17	30	23	18	76	2.36	.0	11	5,855	s.	24	n.	1	5	4	22	7.5	5.5	T
Binghamton	871	60	68	29.12	30.08	.00	28.0	+3.9	54	1	35	-4	29	21	36	----	----	----	1.53	-.9	12	5,253	nw.	27	nw.	24	3	3	25	8.8	2.3	.4
New York	314	415	454	29.76	30.11	+.01	34.4	+3.5	57	28	42	5	30	27	26	30	23	67	3.35	-.3	9	10,309	nw.	56	nw.	29	8	7	16	6.5	.2	.0
Bellefonte	1,050	5	42	28.96	30.10	------	29.1	------	49	1	36	0	30	22	33	26	23	81	1.44	------	10	------	w.	----	------	----	6	4	21	7.4	1.5	T
Harrisburg	374	94	104	29.71	30.13	+.03	33.8	+4.8	54	25	40	6	30	27	27	29	23	67	2.78	-.3	10	5,987	w.	30	nw.	29	6	9	16	6.6	.2	.0
Philadelphia	114	123	367	30.02	30.15	+.04	37.8	+5.2	59	25	44	10	30	32	24	33	25	64	2.91	-.4	9	9,455	w.	34	w.	29	8	8	15	6.3	T	.0
Reading	323	283	304	29.76	30.13	------	34.1	+4.7	58	28	41	6	30	28	30	31	25	69	2.64	-.9	11	8,958	nw.	46	nw.	29	9	8	14	6.1	.2	.0
Scranton	805	72	104	29.21	30.11	+.02	30.1	+3.5	47	1	36	0	29	24	28	28	23	75	1.58	-1.4	11	5,608	sw.	32	nw.	29	4	7	20	7.6	2.1	.0
Atlantic City	52	37	172	30.08	30.14	+.03	38.3	+5.8	56	25	45	8	30	32	30	34	29	73	1.46	-2.0	10	11,877	w.	50	nw.	29	7	10	14	6.6	T	.0
Sandy Hook	22	10	57	30.09	30.11	------	34.2	------	56	28	40	7	29	29	25	31	28	80	2.84	-1.1	8	11,192	w.	44	nw.	29	7	8	16	6.5	T	.0
Trenton	190	159	183	29.92	30.13	------	34.2	+3.7	59	28	41	7	30	27	30	30	25	72	3.37	+.1	10	7,223	nw.	24	nw.	17	6	10	15	6.5	.2	.0
Baltimore	123	100	215	30.01	30.14	+.02	39.0	+5.2	70	25	46	8	30	32	34	34	28	70	2.53	-1.0	10	7,965	sw.	39	nw.	28	9	9	13	5.9	T	.0
Washington	112	62	85	30.02	30.15	+.02	39.0	+5.6	69	25	46	8	30	32	31	33	26	66	1.97	-1.6	10	5,520	nw.	32	nw.	29	9	9	13	6.3	T	.0
Cape Henry	18	8	54	30.12	30.14	------	44.8	+4.6	74	7	52	12	31	38	37	40	36	77	2.19	-1.0	10	9,298	sw.	48	nw.	29	9	9	13	5.9	.0	.0
Lynchburg	681	153	188	29.41	30.18	+.05	41.2	+3.7	71	28	52	4	30	30	48	----	----	----	1.92	-1.5	10	------	sw.	----	------	----	9	12	10	----	T	.0
Norfolk	91	170	205	30.06	30.17	+.04	45.6	+5.0	72	7	54	10	30	38	44	40	35	73	1.88	-1.2	10	9,681	ne.	45	w.	28	12	5	14	5.8	.0	.0
Richmond	144	11	52	30.01	30.17	+.03	42.4	+4.5	70	28	52	5	30	33	38	36	31	72	1.63	-1.6	8	6,535	nw.	34	n.	29	11	9	11	5.7	T	.0
Wytheville	2,304	49	55	27.70	30.16	+.04	37.4	+4.4	64	7	46	-3	30	29	34	32	27	73	.90	-2.2	9	6,448	w.	35	nw.	29	13	7	11	5.4	.6	.0
South Atlantic States							**49.7**	**+3.6**										**74**	**1.76**	**-1.7**										**5.3**		
Asheville	2,253	89	104	27.77	30.21	+.06	40.6	+5.2	69	28	50	0	30	31	33	34	28	70	1.66	-1.4	9	7,095	nw.	34	nw.	29	10	10	11	5.6	T	.0
Charlotte	779	244	267	29.33	30.18	+.03	45.0	+3.8	70	27	52	8	30	38	36	39	32	67	1.18	-2.8	9	8,559	sw.	35	w.	28	13	8	10	5.1	.0	.0
Greensboro	886	6	56	29.20	30.18	------	41.4	------	69	27	51	4	30	32	40	35	31	76	1.59	------	7	6,217	ne.	32	nw.	29	12	7	12	5.5	.0	.0
Hatteras	11	5	50	30.14	30.15	+.01	50.2	+3.1	69	7	56	17	30	44	36	46	44	82	3.90	-.5	14	9,766	n.	37	nw.	29	11	8	12	5.4	.0	.0
Raleigh	376	103	146	29.76	30.18	+.05	46.2	+5.1	74	7	55	8	30	38	48	40	33	68	1.77	-1.9	6	6,709	w.	37	nw.	29	11	6	14	5.7	.0	.0
Wilmington	72	73	106	30.10	30.18	+.04	50.5	+4.0	74	7	60	11	30	41	44	44	39	74	1.15	-2.1	12	6,607	n.	30	sw.	1	12	9	10	4.8	.0	.0
Charleston	48	11	92	30.13	30.18	+.03	52.6	+2.7	73	5	60	18	30	45	31	47	43	77	1.80	-1.2	9	7,585	n.	25	sw.	1	10	8	13	5.5	.0	.0
Columbia, S. C.	351	41	57	29.80	30.19	+.04	49.1	+3.1	74	7	58	14	30	40	39	43	37	71	1.10	-2.3	7	5,617	ne.	27	sw.	7	12	7	12	5.1	.0	.0
Augusta	182	62	77	29.98	30.18	+.02	49.7	+2.7	73	7	60	15	30	40	37	43	38	73	1.83	-2.1	11	4,548	nw.	22	w.	28	12	7	12	5.3	.0	.0
Savannah	65	73	152	30.11	30.18	+.03	54.9	+3.5	77	7	64	23	30	46	33	48	44	78	2.16	-.6	7	7,809	w.	32	w.	28	11	7	13	5.1	.0	.0
Jacksonville	43	86	110	30.12	30.17	+.02	58.0	+2.6	79	7	67	28	30	49	34	52	48	78	1.08	-1.7	7	5,905	ne.	25	sw.	28	9	9	13	5.7	.0	.0
Florida Peninsula							**68.1**	**+2.6**										**79**	**1.73**	**-0.7**										**4.5**		
Key West	22	10	64	30.08	30.10	.00	71.4	+1.9	80	7	76	57	11	66	17	65	63	82	1.10	-.9	6	7,022	ne.	24	nw.	29	16	10	5	3.9	.0	.0
Miami	25	124	168	30.11	30.14	+.01	69.4	+2.9	81	27	75	45	31	64	26	63	59	75	2.94	+.4	4	7,120	se.	19	n.	30	9	13	9	5.5	.0	.0
Tampa	35	88	197	30.12	30.16	+.04	63.4	+3.0	81	6	72	34	30	54	33	56	53	79	1.16	-1.5	4	7,974	n.	23	nw.	29	14	13	4	4.1	.0	.0
Titusville	44	5	25	30.10	30.16	------	61.3	------	82	7	72	33	30	51	32	----	----	----	1.20	------	7	------	nw.	----	------	----	8	11	12	----	.0	.0
East Gulf States							**51.8**	**+3.7**										**76**	**3.52**	**-1.1**										**5.8**		
Atlanta	1,173	190	198	28.92	30.18	+.03	45.2	+2.6	68	28	53	7	30	38	30	41	38	79	2.72	-2.2	9	8,718	e.	38	nw.	29	12	6	13	5.4	.0	.0
Macon	370	76	84	29.79	30.20	+.04	49.8	+3.0	73	6	60	14	30	40	37	43	37	72	2.57	-1.6	9	5,380	nw.	24	nw.	29	15	2	14	5.3	.0	.0
Thomasville	273	49	103	29.88	30.19	+.03	54.8	+3.8	77	6	64	22	30	46	32	48	45	78	1.39	-2.7	7	------	e.	----	------	----	8	5	18	----	.0	.0
Apalachicola	35	11	19	30.12	30.16	------	56.3	------	75	27	64	27	30	49	27	52	----	----	3.03	-.6	12	------	ne.	----	------	----	9	12	10	----	.0	.0
Pensacola	56	149	185	30.10	30.17	+.03	56.5	+4.0	74	1	63	25	30	50	33	52	50	85	4.11	+.1	8	9,727	ne.	40	se.	24	11	4	16	5.7	.0	.0
Anniston	741	9	57	------	------	------	48.0	+5.8	70	28	58	9	30	38	48	----	----	----	4.47	------	9	------	nw.	----	------	----	11	7	13	----	.0	.0
Birmingham	700	11	48	29.40	30.19	+.03	48.6	+3.5	71	28	57	10	30	40	33	43	37	72	3.98	-1.5	12	5,793	e.	26	se.	4	11	7	13	5.6	.0	.0
Mobile	57	125	161	30.10	30.16	+.01	55.2	+3.7	76	1	63	24	30	47	34	50	45	76	4.31	-.5	11	6,924	n.	32	nw.	29	10	5	16	5.7	.0	.0
Montgomery	218	92	105	29.94	30.20	+.04	51.6	+3.4	75	1	59	18	30	44	30	45	40	70	1.86	-3.3	13	5,587	e.	22	n.	29	9	5	17	6.2	.0	.0
Meridian	375	67	92	29.77	30.18	+.02	50.8	+3.8	74	28	60	16	30	42	35	45	40	76	3.16	-2.2	14	4,789	e.	22	ne.	28	11	8	12	5.6	.0	.0
Vicksburg	247	65	73	29.90	30.17	+.02	51.4	+3.2	71	27	60	20	30	43	27	46	41	76	5.54	+.2	11	5,789	se.	21	se.	3	8	8	15	6.2	T	.0
New Orleans	53	76	84	30.10	30.16	+.03	57.8	+3.6	78	1	64	29	30	51	25	52	49	78	6.00	+1.7	10	5,343	e.	25	e.	31	9	6	16	6.1	.0	.0
West Gulf States							**52.1**	**+3.8**										**79**	**5.32**	**+2.4**										**5.8**		
Shreveport	249	92	227	29.88	30.16	+.02	50.7	+3.7	74	28	58	21	30	43	27	46	43	81	5.91	+2.0	11	7,174	ne.	31	ne.	29	8	10	13	6.1	.0	.0
Bentonville	1,303	11	44	28.72	30.12	-.02	40.0	+5.9	66	24	49	8	30	30	32	----	----	----	1.99	------	9	5,072	sw.	22	ne.	28	8	8	15	----	2.0	.0
Fort Smith	457	79	94	29.65	30.15	+.01	43.0	+3.5	70	24	51	15	30	35	32	38	33	73	2.11	-.4	11	5,928	e.	24	e.	3	9	13	9	5.6	T	.0
Little Rock	357	94	102	29.78	30.18	+.03	44.8	+3.4	70	24	53	14	30	36	36	40	35	75	2.63	-2.1	11	5,846	s.	24	n.	28	11	5	15	6.0	T	.0
Austin	605	136	148	29.49	30.12	------	53.0	+3.5	81	22	62	29	8	44	33	48	44	77	9.13	+7.1	11	5,719	n.	25	nw.	7	11	5	15	5.7	.0	.0
Brownsville	57	88	96	30.00	30.06	------	64.0	+4.2	81	28	71	42	31	57	24	59	57	84	2.37	+.9	13	7,122	se.	28	nw.	6	6	14	11	6.4	.0	.0
Corpus Christi	20	11	78	30.10	30.12	+.02	60.4	+4.4	77	1	67	38	9	54	26	56	54	84	4.78	+3.2	12	7,087	ne.	26	nw.	11	8	9	14	6.3	.0	.0
Dallas	512	220	227	29.58	30.14	------	48.0	------	73	24	56	22	30	40	28	44	39	77	1.28	-1.1	8	8,555	n.	38	w.	7	15	3	13	5.0	.0	.0
Fort Worth	670	106	114	29.42	30.15	+.03	48.9	+3.5	75	24	58	22	30	40	35	----	----	----	1.86	-.2	10	6,253	nw.	26	nw.	7	14	5	12	4.8	.0	.0
Galveston	54	106	114	30.07	30.13	.00	57.6	+3.8	76	1	63	36	30	52	23	54	52	86	8.42	+5.0	13	7,538	e.	29	e.	31	11	5	15	5.6	.0	.0
Houston	138	292	314	29.99	30.14	------	56.1	+3.4	78	22	63	31	8	49	26	----	----	----	9.94	+6.2	10	8,473	se.	29	ne.	11	12	4	15	5.9	.0	.0
Palestine	510	64	72	29.60	30.15	+.03	51.2	+3.0	75	24	59	26	8	43	29	46	43	78	5.35	+1.9	9	5,786	ne.	25	n.	28	11	7	13	5.5	.0	.0
Port Arthur	34	58	66	30.09	30.13	------	55.8	------	80	1	63	30	30	49	28	----	----	----	8.50	+4.8	11	6,017	e.	30	nw.	3	8	9	14	6.4	.0	.0
San Antonio	693	242	301	29.37	30.10	.00	55.2	+2.9	75	22	64	32	8	46	28	50	44	73	4.88	+3.4	16	8,219	n.	38	e.	24	9	9	13	5.9	.0	.0

TABLE 1.—*Climatological data for Weather Bureau Station, January 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: Departure from normal	Temperature: Maximum	Temperature: Date	Temperature: Mean maximum	Temperature: Minimum	Temperature: Date	Temperature: Mean minimum	Temperature: Greatest daily range	Mean wet thermometer	Mean temperature of the dew-point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with 0.01, or more	Wind: Total movement	Wind: Prevailing direction	Wind: Maximum velocity: Miles per hour	Wind: Maximum velocity: Direction	Wind: Maximum velocity: Date	Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month
	Ft.	Ft.	Ft.	In.	In.	In.	°F.	°F.	°F		°F	°F.		°F	°F.	°F.	°F.	N	In.	In.		Miles								0-10	In.	In.
Ohio Valley and Tennessee							**38.5**	**+4.5**										**74**	**2.25**	**−1.6**										**6.5**		
Chattanooga	762	190	215	29.36	30.20	+0.04	45.2	+4.0	70	28	53	8	30	38	39	40	36	74	4.20	−1.1	10	5,933	ne.	32	nw.	28	10	12	9	5.1	0.0	0.0
Knoxville	995	79	97	29.10	30.19	+.04	43.2	+4.4	68	28	51	5	30	35	40	38	33	73	3.96	−.7	10	5,114	sw.	27	sw.	28	13	6	12	5.5	T	.0
Memphis	399	78	86	29.74	30.18	+.02	45.2	+4.3	69	24	53	11	30	38	42	41	37	76	2.62	−2.2	10	5,858	sw.	30	n.	28	9	7	15	6.1	T	.0
Nashville	546	168	191	29.61	30.21	+.05	42.4	+3.8	65	27	50	6	30	34	46	38	34	75	2.99	−1.8	9	6,906	w.	41	nw.	28	9	5	17	6.5	T	.0
Lexington	989	193	230																													
Louisville	525	188	234	29.59	30.19	+.05	38.4	+4.0	64	24	46	2	30	31	44	34	28	69	1.01	−3.0	7	8,059	s.	38	nw	28	10	5	16	6.0	T	.0
Evansville	431	76	116	29.70	30.18	+.04	38.9	+5.4	62	24	46	4	30	32	45	35	29	72	1.09	−2.6	11	7,237	s.	30	nw.	28	5	11	15	6.7	.3	.2
Indianapolis	822	194	230	29.24	30.15	+.03	34.0	+5.6	62	24	42	−1	29	26	51	30	25	71	1.25	−1.7	12	8,916	s.	40	nw.	28	8	4	19	7.0	1.0	T
Terre Haute	575	96	129	29.52	30.15		35.4		62	24	43	1	29	28	47	31	27	75	2.07	−.6	9	7,740	s.	31	s.	31	7	5	19	6.9	1.3	.3
Cincinnati	627	11	51	29.46	30.17	+.05	36.0	+5.7	62	24	44	0	30	28	45	32	27	74	1.61	−1.9	10	6,718	sw.	30	nw.	28	11	2	18	6.5	.3	.0
Columbus	822	216	230	29.24	30.14	+.03	34.0	+5.4	57	21	41	1	30	27	42	31	26	74	1.16	−1.9	11	9,549	sw.	45	nw.	28	10	4	17	6.5	2.1	T
Elkins	1,947	59	67	28.05	30.19	+.07	34.4	+4.0	64	7	44	−4	30	25	44	31	27	79	3.37	−.4	17	5,941	w.	32	nw.	28	4	9	18	7.3	2.6	T
Parkersburg	637	77	82	29.51	30.19	+.07	36.4	+3.9	60	1	45	−2	30	28	42	32	27	73	1.91	−1.7	13	5,476	sw.	35	nw.	28	8	3	20	7.1	.2	T
Pittsburgh	842	353	410	29.21	30.14	+.03	33.8	+3.1	58	1	41	−1	30	27	40	30	26	74	2.02	−1.0	13	8,723	w.	41	nw.	28	4	5	22	7.7	2.1	.2
Lower Lake Region							**28.4**	**+4.0**										**77**	**1.74**	**−0.8**										**8.2**		
Buffalo	767	243	280	29.20	30.06	−.01	27.5	+2.9	48	25	34	−5	29	21	36	25	23	83	1.64	−1.7	21	14,458	sw.	49	sw.	31	1	4	26	8.9	7.2	1.8
Canton	448	10	61	29.56	30.06		16.4	+.1	46	23	26	−19	20	7	48				2.36	−.1	17	7,670	e.	30	w.	25	7	5	19	7.0	14.8	2.1
Ithaca	836	74	100	29.14	30.08		27.6	+3.3	53	1	34	−3	29	21	37	26	21	76	1.18	−1.0	9	8,840	nw.	35	se.	23	1	3	27	9.3	1.7	T
Oswego	335	71	85	29.70	30.08	+0.1	25.0	+1.1	47	25	31	−7	29	19	38	24	21	83	2.23	−.7	19	8,949	se.	32	nw.	23	0	2	29	9.6	10.8	1.7
Rochester	523	86	102	29.49	30.09	+0.2	27.6	+3.0	50	25	34	−4	29	21	39	26	21	75	1.94	−1.0	21	5,871	sw.	25	w.	23	0	5	26	9.3	8.5	2.0
Syracuse	596	65	79	29.42	30.09	+0.2	27.3	+4.3	53	1	34	−6	29	20	39				2.18	−.8	20	6,491	w.	28	nw.	28	1	1	29	9.4	11.6	4.4
Erie	714	130	166	29.29	30.09	+0.1	30.6	+3.8	55	1	37	3	29	24	37	28	24	78	2.04	−.7	17	11,571	sw.	38	nw.	29	2	6	23	8.4	4.0	.0
Cleveland	762	267	337	29.24	30.09	.00	33.1	+6.6	58	1	40	1	29	26	44	29	24	71	1.58	−.9	15	11,697	w.	60	w.	28	5	5	21	7.5	3.9	.6
Sandusky	629	5	67	29.40	30.10	+.01	32.4	+6.1	58	21	40	2	30	25	43				1.19	−1.1	15	8,365	sw.	39	nw.	28	7	4	20	7.2	1.6	T
Toledo	628	79	87	29.40	30.10	+.01	31.8	+6.0	57	21	39	1	29	25	43	28	24	76	1.42	−.7	13	8,318	w.	33	nw.	28	10	4	17	6.5	2.6	T
Fort Wayne	857	69	84	29.16	30.12		32.0	+5.1	56	24	39	−2	29	25	43	28	25	79	1.52	−.8	14	8,487	sw.	35	nw.	28	9	3	19	6.6	1.9	.5
Detroit	626	5	78	29.38	30.09	+.01	30.0	+5.6	51	1	37	1	30	23	42	27	23	76	1.65	−.4	17	9,513	sw.	36	nw.	28	2	6	23	8.2	6.0	.5
Upper Lake Region							**25.5**	**+7.6**										**82**	**1.38**	**−0.4**										**7.9**		
Alpena	609	13	89	29.35	30.04	.00	25.4	+6.3	43	25	32	−7	29	19	40	23	20	84	1.00	−.9	16	9,309	nw.	37	nw.	28	1	8	22	8.7	9.4	2.6
Escanaba	612	54	60	29.34	30.03	−.02	23.9	+8.5	40	24	30	−11	29	18	45	22	19	84	.98	−.5	11	7,515	s.	30	nw.	28	5	3	23	7.9	9.3	8.0
Grand Rapids	707	70	244	29.28	30.07	+.01	31.0	+6.5	57	21	37	0	29	25	42	28	23	75	1.40	−1.0	13	10,084	sw.	38	sw.	31	2	9	20	8.0	1.4	.7
Lansing	878	6	88	29.09	30.06		29.2	+6.8	54	21	36	−1	29	23	42	27	25	89	1.05	−.8	13	8,760	w.	32	w.	28	1	9	21	8.2	3.0	1.0
Ludington	637	5	54																													
Marquette	734	77	111	29.17	30.00	−.04	23.3	+7.0	44	21	29	−9	29	17	36	22	20	87	3.00	+.7	22	7,738	s.	35	sw.	31	2	3	26	8.6	27.4	12.0
Sault Sainte Marie	614	11	52	29.31	30.04	+.01	19.2	+5.9	40	22	26	−19	29	12	50	18	16	88	2.54	+.6	24	7,212	se.	38	nw.	23	4	5	22	7.8	21.8	14.2
Chicago	673	7	131	29.35	30.10	.00	32.3	+8.6	55	21	39	−7	29	26	47	29	24	74	.84	−1.1	9	8,971	sw.	36	nw.	28	8	5	18	6.6	.3	.0
Green Bay	617	109	141	29.35	30.04	−.02	25.6	+9.9	49	21	32	−13	29	19	50	23	19	76	.92	−.6	9	8,758	sw.	37	nw.	28	5	4	22	7.7	6.3	T
Milwaukee	681	97	221	29.31	30.07	−.01	29.9	+9.3	56	21	36	−10	29	23	49	27	22	75	1.00	−.8	7	10,803	w.	41	nw.	28	5	4	22	7.6	.8	
Duluth	1,133	5	47	28.75	30.03	−.06	15.4	+7.5	39	27	24	−30	29	7	42	15	13	90	1.03	+.1	12	9,974	nw.	47	nw.	31	5	6	20	7.5	9.2	1.
North Dakota							**15.5**	**+10.6**										**87**	**0.31**	**−0.2**										**6.1**		
Moorhead, Minn	940	50	58	29.02	30.09	−.05	13.8	+10.0	40	31	24	−23	29	4	47	13	11	91	.44	−.2	10	7,491	s.	30	n.	28	5	9	17	7.0	1.5	3.8
Bismarck	1,674	8	57	28.22	30.08	−.05	19.8	+12.0	49	30	31	−11	1	9	38	18	15	82	.08	−.4	3	6,612	nw.	34	nw.	31	7	15	9	5.8	.3	.0
Devils Lake	1,478	11	44	28.41	30.07	−.05	11.6	+9.8	40	23	22	−28	29	1	37	11	9	92	.55	+.1	11	7,543	sw.	35	nw.	31	8	6	17	6.4	5.4	4.0
Grand Forks	833	12	67				10.6		38	27	22	−29	29	−1	49	10			.25		8		nw.	46	nw.	31	6	11	14		1.3	7.7
Williston	1,878	41	48	28.02	30.08	−.03	16.8	+10.4	41	23	27	−13	28	6	41	16	13	83	.17	−.4	5	6,109	w.	35	nw.	31	8	13	10	5.3	1.8	5.6
Upper Mississippi Valley							**30.1**	**+8.4**										**78**	**0.99**	**−0.6**										**6.7**		
Minneapolis	918	102	208	29.03	30.06		21.2	+8.5	47	27	29	−18	29	13	44	19	16	81	.68	−.2	8	8,478	nw.	38	nw.	28	4	9	18	7.4	6.1	T
La Crosse	714	11	48	29.27	30.08	−.03	24.9	+8.8	50	24	33	−13	29	17	49	22	19	81	.86	−.2	10	4,776	s.	25	nw.	28	5	4	22	7.9	4.8	.0
Madison	974	70	78	28.98	30.08	−.02	26.6	+9.9	51	24	34	−14	29	19	50	24	21	83	.70	−.7	8	7,318	nw.	32	nw.	28	5	8	18	7.1	3.0	T
Charles City	1,015	10	51	28.98	30.11	−.03	23.6	+9.9	49	27	32	−11	29	15	48	21	18	84	.61	−.4	6	5,989	nw.	26	nw.	28	8	5	18	6.8	2.4	.0
Davenport	606	118	143	29.44	30.13	+.01	30.8	+9.0	58	24	38	−5	29	24	48	28	24	78	.77	−.6	6	7,874	sw.	35	nw.	28	8	6	17	6.6	1.7	.0
Des Moines	861	5	99	29.18	30.13	−.01	28.4	+8.3	59	27	37	−1	29	20	49	26	22	80	1.22	+.2	5	7,274	nw.	38	nw.	28	7	7	17	6.7	8.0	.0
Dubuque	700	81	96	29.32	30.10	−.02	28.4	+9.3	53	24	36	−8	29	21	46	25	22	78	.90	−.4	6	5,846	nw.	31	nw.	28	7	6	18	7.1	1.8	.0
Keokuk	614	64	78	29.45	30.15	+.01	33.0	+8.1	67	24	41	−1	30	25	47	29	24	72	.81	−.8	4	6,590	sw.	30	nw.	28	8	6	17	6.6	.4	.0
Cairo	358	87	93	29.78	30.18	+.02	40.9	+6.0	67	27	48	7	30	33	46	37	32	74	1.28	−2.5	7	6,970	s.	29	nw.	28	9	6	16	6.2	T	.0
Peoria	609	11	45	29.46	30.14	+.02	31.7	+8.6	60	24	39	−4	29	24	45	29	25	79	1.05	−.7	8	6,250	sw.	29	nw.	28	12	5	14	5.7	.8	.0
Springfield, Ill	636	5	191	29.44	30.14	+.01	34.0	+7.5	62	24	41	0	29	27	42	30	27	78	1.33	−.8	10	9,205	s.	41	nw.	28	8	7	16	6.4	.2	.0
St. Louis	568	265	303	29.53	30.15	+.01	37.8	+7.0	65	24	46	4	29	30	46	33	27	68	1.72	−.6	5	9,179	s.	34	sw.	24	11	5	15	6.1	1.4	.0
Missouri Valley							**32.5**	**+8.4**										**75**	**0.54**	**−0.5**										**5.6**		
Columbia, Mo	784	6	84	29.29	30.15	+.02	35.6	+6.4	70	24	44	3	30	27	41				.93	−1.0	6	6,695	sw.	30	nw.	28	12	7	12	5.1	.4	.0
Kansas City	750	32	45	29.32	30.15	.00	35.4	+7.2	70	27	44	5	30	26	42	31	27	74	.49	−.7	5	7,346	sw.	37	n.	28	11	8	12	5.6	.6	.0
St. Joseph	967	11	49	29.07	30.14		34.0		67	27	43	3	30	25	43	30	25	74	.40	−.6	4	6,613	sw.	30	nw.	28	15	4	12	5.2	.7	.0
Springfield, Mo	1,324	98	104	28.70	30.14	.00	37.8	+4.3	67	24	46	2	30	29	39	33	29	77	1.42	−.9	6	7,389	s.	26	nw.	28	11	7	13	5.3	5.4	.0
Iola	984	11	50	29.07	30.15	+.01	38.4	+8.6	70	24	50	5	30	27	49				.98	−.3	5		s.				10	8	13		1.2	.0
Topeka	987	92	107				35.1	+7.5	69	24	45	3	30	25	46				.29	−.6	4	6,950	s.	30	nw.	28	15	3	13	5.3	1.1	.0
Lincoln	1,189	11	81	28.82	30.14	−.01	31.6	+8.8	68	27	42	1	29	22	44	27	22	71	.25	−.4	5	7,638	s.	34	nw.	31	12	8	11	5.5	2.1	.0
Omaha	1,105	115	122	28.91	30.14	−.01	30.0	+8.1	64	27	39	1	1	21	46	27	23	77	.53	−.2	5	6,988	nw.	39	nw.	31	7	9	15	6.3	5.1	.0
Valentine	2,598	47	54	27.32	30.13	+.01	30.5	+11.6	64	23	44	−6	25	16	48	24	19	69	.14	−.3	6	7,055	w.	30	sw.	23	8	12	11	5.3	1.3	.0
Sioux City	1,135	94	164	28.85	30.12	−.03	27.3	+9.5	63	27	36	−5	1	18	49	24	20	77	.50	−.2	5	7,481	nw.	32	nw.	28	6	10	15	6.9	5.0	.0
Huron	1,306	59	74	28.66	30.12	−.04	23.6	+12.3	59	27	34	−10	1	13	53	21	17	79	.06	−.5	3	7,117	n.	28	n.	28	11	8	12	5.6	.5	.0
Northern Slope							**31.0**	**+11.7**										**69**	**0.29**	**−0.5**										**5.8**		
Billings	3,140	5					34.1		62	27	46	2	2	22	39				.11		3		nw.				9	9	13		.7	
Havre	2,505	11	67	27.36	30.07	−.03	27.7	+14.8	51	26	38	−9	24	17	55	25	21	74	.22	−.5	5	9,011	sw.	31	sw.	14	7	14	10	5.8	3.1	.0
Helena	4,124	89	113	25.84	30.13	−.02	33.4	+13.2	53	27	41	1	24	26	32	29	23	64	.24	−.6	4	6,557	w.	38	w.	27	2	16	13	6.6	1.8	.0
Kalispell	2,973	48	56	27.03	30.16	+.04	33.4	+13.0	56	27	39	13	15	28	24	32	29	83	.88	−.7	13	4,005	nw.	23	w.	5	5	8	18	7.3	1.1	.0
Miles City	2,371	48	55	27.51	30.15	+.03	27.6	+13.1	52	26	38	0	1	18	40	25	21	80	.12	−.5	4	4,248	s.	26	nw.	5	11	9	11	5.5	.2	.0
Rapid City	3,259	50	58	26.61	30.13	+.03	33.6	+11.6	63	30	46	3	2	22	39	28	21	66	.19	−.3	3	6,243	w.	33	n.	6	5	18	8	5.5	.8	.0
Cheyenne	6,094	50	71	24.01	30.12	+.07	34.0	+8.5	60	27	45	11	7	23	40	26	18	56	.29	−.1	7	10,058	nw.	38	w.	14	8	13	10	5.4	3.3	.0
Lander	5,372	60	68	24.69	30.19	+.07	29.6	+11.3	56	30	43	4	7	16	40	24	13	67	.01	−.6	1	3,538	sw.	38	sw.	23	14	14	3	4.3	.2	.0
Sheridan	3,790	10	47	26.12	30.14		31.4		63	23	43	6	7	19	38	26	21	72	.32	−.5	6	3,882	nw.	33	nw.	21	5	15	11	6.1	2.9	.0
Yellowstone Park	6,241	11	48	23.96	30.28	+.14	26.2	+8.6	42	28	34	1	7	19	27	23	19	74	.61	−1.0	10	7,024	sw.	31	sw.	23	3	12	16	7.4	9.2	3.6
North Platte	2,821	11	51	27.11	30.13	+.01	33.8	+10.9	64	27	47	10	25	20	45	27	21	71	.05	−.3	3	5,827	w.	27	nw.	12	15	9	7	4.5	.1	.0

TABLE 1.—*Climatological data for Weather Bureau Stations, January 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.	N	In.	In.		Miles								0-10	In.	In.
Middle Slope							37.9	+7.4										44	0.58	0.0										4.0		
Denver	5,292	106	113	24.75	30.09	+0.04	40.0	+10.2	69	27	51	15	7	29	40	30	16	40	0.01	−0.4	1	6,004	s.	32	n.	6	15	8	8	4.5	T	0.0
Pueblo	4,685	80	86	25.33	30.10	+.05	39.2	+9.3	69	27	54	12	8	24	48	30	17	46	T	−.3	0	5,233	n.	30	nw.	11	17	13	1	3.1	T	.0
Concordia	1,392	50	58	28.65	30.17	+.03	34.0	+7.6	68	27	44	6	30	24	40	29	23	68	.43	−.2	4	6,407	n.	27	n.	28	17	3	11	4.6	0.8	.0
Dodge City	2,509	10	86	27.48	30.16	+.05	36.7	+7.7	67	27	50	15	8	24	41	30	23	64	.29	−.1	2	8,588	n.	31	n.	28	22	6	3	2.4	2.6	.0
Wichita	1,358	85	93	28.67	30.14	+.01	36.5	+5.2	68	27	46	11	30	27	42	32	27	71	.72	−.1	4	7,871	n.	32	sw.	24	14	6	11	4.6	.9	.0
Oklahoma City	1,214	10	47	28.83	30.15	+.04	40.8	+4.4	72	24	50	15	30	31	32	36	31	74	2.06	+.9	4	7,320	s.	28	n.	28	13	8	10	4.6	1.0	.0
Southern Slope							45.8	+3.0										60	0.28	−0.4										3.5		
Abilene	1,738	10	52	28.30	30.14	+.05	47.5	+3.3	75	24	58	24	8	36	40	40	33	66	.34	−.6	5	6,404	s.	27	nw.	6	20	3	8	3.7	.0	.0
Amarillo	3,676	10	49	26.32	30.12	+.06	41.0	+5.7	72	24	54	18	4	28	39	31	19	49	.09	−.4	3	6,967	w.	27	nw.	6	22	6	3	2.5	.8	.0
Big Spring	2,537	5	62	27.47	30.15	-----	45.6	-----	77	24	59	21	8	32	44	37	30	66	.31	-----	4	-----	s.	-----	-----	-----	16	8	7	3.8	T	.0
Del Rio	944	64	71	29.09	30.10	+.04	53.6	+1.3	78	1	64	26	9	43	37	47	41	71	.67	+.1	8	6,020	nw.	27	nw.	3	14	8	9	4.8	.0	.0
Roswell	3,566	75	85	26.46	30.14	+.10	41.1	+1.9	73	24	57	15	9	25	45	32	20	48	.04	−.5	1	5,135	n.	29	n.	6	21	7	3	2.6	T	.0
Southern Plateau							44.6	+3.9										49	0.32	−0.3										1.5		
El Paso	3,778	152	175	26.27	30.12	+.11	45.4	+.4	72	24	59	19	8	32	39	35	20	39	.01	−.4	1	6,047	nw.	32	w.	2	25	4	2	1.5	T	.0
Albuquerque	4,972	51	66	25.13	30.16	-----	35.4	-----	60	28	51	9	8	20	40	27	18	57	.06	-----	1	4,797	n.	29	nw.	6	24	6	1	2.1	.1	.0
Santa Fe	7,013	38	53	23.27	30.16	+.12	32.6	+3.8	54	28	44	6	8	22	30	26	19	59	.63	.0	4	4,621	n.	21	n.	6	24	6	1	1.9	7.2	.0
Flagstaff	6,907	10	59	23.39	30.10	+.05	32.1	+5.4	55	23	47	6	8	18	42	26	-----	67	.59	-----	5	5,729	n.	29	ne.	7	19	11	1	-----	2.2	T
Phoenix	1,108	10	107	28.92	30.09	+.06	54.5	+3.3	76	27	69	34	7	40	38	42	26	38	.40	−.4	1	3,955	e.	20	e.	4	25	4	2	1.3	.0	.0
Yuma	141	9	54	29.95	30.10	+.05	57.5	+3.1	78	23	72	35	12	44	35	45	28	35	.03	−.4	2	4,850	n.	23	n.	4	27	3	1	.8	.0	.0
Independence	3,957	6	27	26.14	30.24	+.17	45.4	+7.2	70	31	59	24	11	32	37	35	-----	-----	.51	−.4	1	-----	nw.	-----	-----	-----	22	5	4	-----	.0	.0
Middle Plateau							35.6	+7.4										66	0.64	−0.4										4.2		
Reno	4,532	74	81	25.65	30.28	+.15	39.6	+7.1	64	30	52	20	9	27	37	34	27	61	.45	−1.1	3	3,748	sw.	30	sw.	19	19	11	1	2.8	T	.0
Tonopah	6,090	12	20	-----	-----	-----	36.8	-----	55	30	45	19	25	29	25	30	22	57	.18	-----	1	-----	w.	-----	-----	-----	-----	-----	-----	-----	-----	-----
Winnemucca	4,344	18	56	25.82	30.31	+.15	36.5	+7.9	58	30	50	12	9	23	36	31	26	70	.64	−.4	6	5,155	sw.	27	sw.	23	15	8	8	4.2	1.0	.0
Modena	5,473	10	46	24.74	30.22	+.12	32.2	+5.5	58	30	45	8	9	19	42	27	21	69	.23	−.6	2	6,286	e.	28	s.	24	13	15	3	3.9	1.8	.0
Salt Lake City	4,360	86	210	25.81	30.29	+.14	35.0	+5.8	54	22	42	19	12	28	22	31	26	70	1.47	+.2	9	4,165	nw.	27	se.	1	6	11	14	6.5	6.8	.2
Grand Junction	4,602	60	68	25.52	30.19	+.13	34.6	+10.6	54	29	45	16	12	24	28	29	23	67	.41	−.2	4	3,911	nw.	25	s.	1	17	10	4	3.4	2.5	.0
Northern Plateau							38.3	+10.5										76	1.19	−0.5										7.2		
Baker	3,471	48	53	26.64	30.30	+.14	35.6	+10.7	53	26	43	20	11	28	23	33	30	80	.70	−.7	14	4,670	se.	24	sw.	23	8	8	15	6.5	.8	.0
Boise	2,739	79	87	27.40	30.33	+.14	39.8	+10.0	55	19	47	23	9	33	21	36	31	71	1.29	−.4	11	3,991	se.	18	se.	19	7	4	20	7.0	T	.0
Pocatello	4,477	60	68	25.65	30.29	+.09	34.1	+9.4	50	22	40	15	7	28	21	30	26	74	.73	−.7	9	6,701	se.	30	sw.	5	7	7	17	7.0	2.5	.0
Spokane	1,929	101	110	28.10	30.20	+.08	37.4	+9.9	53	27	43	24	18	32	22	35	32	82	2.57	+.4	16	5,756	s.	25	sw.	23	5	3	23	7.9	1.3	.0
Walla Walla	991	57	65	29.13	30.22	+.07	43.7	+11.0	63	27	50	28	9	37	27	40	35	73	1.21	−.8	14	4,862	s.	23	w.	23	5	6	20	7.6	.0	.0
Yakima	1,076	58	67	29.04	30.21	-----	39.2	+11.8	58	21	47	26	15	32	28	36	31	75	.63	−.7	9	3,323	nw.	25	sw.	21	6	7	18	6.9	.7	.0
North Pacific Coast Region							46.6	+5.9										85	7.19	+0.5										8.7		
North Head	211	11	56	29.94	30.17	+.12	47.2	+5.1	66	28	51	36	14	44	23	46	43	87	9.52	+.7	25	13,609	s.	60	s.	13	2	3	26	8.6	.0	.0
Seattle	125	90	321	30.02	30.15	+.10	45.6	+6.1	57	8	50	32	8	42	25	43	40	81	6.31	+1.4	23	8,763	s.	42	sw.	23	1	7	23	8.8	T	.0
Tatoosh Island	86	10	54	30.00	30.10	+.12	45.9	+4.7	60	8	49	37	15	43	14	44	42	89	14.17	+2.3	26	15,539	e	54	sw.	23	2	3	26	8.6	.0	.0
Medford	1,329	29	58	28.84	30.28	-----	41.4	-----	56	26	48	26	8	35	28	40	38	87	2.70	−.1	17	2,940	nw.	21	w.	19	0	8	23	8.7	T	.0
Portland, Oreg.	153	68	106	30.06	30.22	+.14	46.9	+7.5	59	28	52	34	14	42	18	44	41	82	6.02	−.6	21	5,089	se.	24	sw.	20	3	2	26	8.5	.0	.0
Roseburg	510	45	76	29.70	30.26	+.16	47.2	+6.0	66	31	54	30	11	40	29	45	42	84	4.42	−.9	15	2,688	sw.	19	sw.	23	0	6	25	8.8	.0	.0
Middle Pacific Coast Region							50.0	+3.0										81	1.77	−3.3										5.7		
Eureka	62	73	89	30.20	30.27	+.17	50.8	+3.9	65	7	57	37	11	45	20	49	47	89	3.83	−3.3	14	4,298	se.	31	sw.	19	9	5	17	6.4	.0	.0
Red Bluff	330	5	58	29.89	30.25	+.13	49.8	+4.0	76	27	58	32	11	42	32	46	41	77	.88	−3.9	6	4,358	nw.	27	se.	1	12	4	15	5.5	.0	.0
Sacramento	66	87	115	30.17	30.24	+.12	47.8	+2.0	70	25	54	37	21	42	27	45	43	83	1.33	−2.4	4	4,823	se.	24	nw.	24	10	6	15	6.0	.0	.0
San Francisco	155	208	243	30.05	30.22	+.11	51.8	+1.9	72	25	57	40	10	46	20	48	43	76	1.03	−3.5	7	3,872	n.	23	w.	23	13	7	11	4.8	.0	.0
South Pacific Coast Region							54.2	+2.5										66	1.32	−1.0										3.5		
Fresno	327	97	105	29.89	30.26	+.16	46.0	−.2	70	27	53	32	8	39	28	43	40	82	.43	−1.3	5	3,054	nw.	19	nw.	23	7	9	15	6.6	.0	.0
Los Angeles	338	159	191	29.77	30.14	+.06	60.4	+5.8	80	16	71	44	8	50	28	49	38	51	3.22	+.1	2	4,097	ne.	22	nw.	24	25	5	1	1.5	.0	.0
San Diego	87	62	70	30.01	30.11	+.04	56.1	+1.8	74	9	65	42	15	47	27	49	42	65	.30	−1.8	1	3,869	nw.	24	e.	7	23	5	3	2.3	.0	.0
West Indies																																
San Juan	82	9	54	29.94	30.03	-----	74.8	−.2	83	21	80	65	30	70	14	-----	-----	-----	8.09	+3.9	24	8,691	e.	36	e.	7	6	22	3	5.1	.0	.0
Panama Canal																																
Balboa Heights	118	6	97	[1] 29.78	[1] 29.85	+.02	78.6	−1.3	89	10	86	69	29	71	19	-----	-----	[1] 81	4.04	+3.1	12	4,888	nw.	20	n.	22	0	26	5	5.9	.0	.0
Cristobal	36	6	97	[1] 29.85	[1] 29.88	+.02	80.2	−1.3	86	8	84	72	5	76	13	74	72	[1] 77	3.94	+.5	14	9,011	n.	25	ne.	21	10	19	2	4.8	.0	.0
Alaska																																
Fairbanks	454	11	87	[2] 29.29	[2] 29.90	-----	−3.2	-----	34	6	−23	−66	14	−39	45	−30	−33	85	.70	-----	6	1,867	nw.	18	s.	29	18	4	9	4.0	12.0	32.8
Juneau	80	11	50	[2] 29.53	[2] 29.62	-----	29.0	-----	48	28	34	−2	1	24	19	28	26	88	14.91	-----	31	6,320	se.	33	se.	8	0	1	30	9.8	63.7	4.8
Hawaiian Islands																																
Honolulu	38	86	100	[2] 29.99	[2] 30.03	-----	73.5	+2.6	80	3	78	66	23	69	13	67	65	76	2.24	−1.5	12	5,727	e.	30	ne.	31	12	13	6	4.7	.0	.0

[1] Observations taken bihourly.
[2] Pressure not reduced to mean of 24 hours.

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

JANUARY 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												
Sydney, Cape Breton Island	48	29.93	29.98	+0.05	15.6	−4.9	25.5	5.7	43	−15	3.39	−1.71	23.5
Halifax, Nova Scotia	88	29.72	29.83	−.14	20.0	−1.8	28.2	11.9	42	−10	2.93	−2.84	10.5
Yarmouth, Nova Scotia	65	29.89	29.97	−.03	23.8	−2.5	31.1	16.5	45	−1	3.35	−1.81	16.3
Charlottetown, Prince Edward Island	38	29.92	29.96	.00	14.0	−3.0	23.2	4.8	42	−13	3.03	−.93	29.0
Chatham, New Brunswick	28	29.87	29.91	−.06	8.1	−1.7	20.2	−4.0	40	−33	2.26	−1.33	17.9
Father Point, Quebec	20	29.98	30.01	+.03	7.8	−.2	16.2	−.7	36	−22	2.38	−.47	23.8
Quebec, Quebec	296	29.71	30.05	+.03	10.2	+1.1	17.4	3.0	36	−24	3.31	−.70	30.5
Doucet, Quebec	1,236				.7		14.2	−12.9	37	−50	2.37		23.5
Montreal, Quebec	187												
Ottawa, Ontario	236	29.80	30.09	+.06	14.0	+4.4	22.9	5.2	43	−25	2.69	−.30	22.3
Kingston, Ontario	285	29.74	30.08	+.03	20.0	+2.9	27.9	12.1	42	−15	2.08	−1.37	12.1
Toronto, Ontario	379	29.65	30.08	+.03	25.8	+4.4	32.6	19.0	43	−9	1.52	−1.40	4.0
Cochrane, Ontario	930				3.3		12.6	−6.0	37	−36	1.59		14.2
White River, Ontario	1,244	28.60	29.98	−.03	9.0	+9.4	19.5	−1.5	36	−42	3.82	+2.13	34.2
London, Ontario	808				25.5		32.0	18.9	42	−2	2.19		11.1
Southampton, Ontario	656	29.30	30.04	+.01	23.5	+3.1	29.1	17.9	42	−10	2.28	−1.77	20.1
Parry Sound, Ontario	688	29.31	30.04	+.03	17.9	+4.1	25.7	10.2	38	−20	1.46	−2.62	4.1
Port Arthur, Ontario	644	29.29	30.03	−.04	13.9	+10.8	21.4	6.5	38	−29	1.28	+.46	8.5
Winnipeg, Manitoba	760	29.17	30.05	−.06	5.8	+12.6	17.6	−5.9	39	−39	1.04	+.16	10.3
Minnedosa, Manitoba	1,690	28.14	30.06	−.04	6.9	+14.1	17.8	−4.0	39	−39	.81	+.01	8.1
Le Pas, Manitoba	860				−4.4		6.0	−14.7	36	−48	1.93		19.3
Qu'Appelle, Saskatchewan	2,115	27.62	29.96	−.12	12.9	+16.7	23.5	2.4	42	−24	.79	+.29	7.6
Moose Jaw, Saskatchewan	1,759				17.5		29.1	5.9	42	−21	.72		T
Swift Current, Saskatchewan	2,392	27.35	29.92	−.17	22.9	+19.8	33.0	12.8	46	−16	.69	+.05	5.5
Medicine Hat, Alberta	2,365	27.39	29.93	−.14	26.3	+20.8	36.7	15.8	50	−12	.61	+.04	.0
Calgary, Alberta	3,540	26.16	29.94	−.09	26.9	+18.5	38.0	15.9	54	−20	.22	−.31	.0
Banff, Alberta	4,521												
Prince Albert, Saskatchewan	1,450	29.38	30.03	−.06	12.7	+21.1	19.8	5.7	44	−37	.20	−.77	2.0
Battleford, Saskatchewan	1,592	28.18	30.01	−.07	10.0	+15.9	21.8	−1.8	43	−25	.35	−.05	3.4
Edmonton, Alberta	2,150												
Kamloops, British Columbia	1,262												
Victoria, British Columbia	230	29.86	30.12	+.15	43.5	+5.0	46.5	40.4	52	34	7.27	+1.88	.0
Barkerville, British Columbia	4,180												
Estevan Point, British Columbia	20												
Prince Rupert, British Columbia	170												
Hamilton, Bermuda	151	30.06	30.23	+.10	63.7	+1.7	68.4	59.1	75	49	4.86	−.08	.0

LATE REPORTS FOR DECEMBER 1933

Cape Race, Newfoundland	99				24.2		31.8	16.6	46	−6	4.78		26.2
Montreal, Quebec	187	29.90	30.13	+0.10	10.8	−7.5	17.7	3.9	37	−29	4.41	+0.76	35.6
Swift Current, Saskatchewan	2,392	27.34	30.01	+.12	6.6	−9.4	16.0	−2.9	53	−22	1.51	+.73	15.1
Medicine Hat, Alberta	2,365												
Calgary, Alberta	3,540												
Banff, Alberta	4,521	25.10	29.95	+.01	6.6	−12.5	15.7	−2.6	44	−44	6.22	+5.01	61.8
Edmonton, Alberta	2,150	27.66	30.08	+.15	−9.7	−22.8	−4.6	−14.8	33	−36	2.85	+2.15	28.5
Kamloops, British Columbia	1,262	28.55	29.88	−.06	24.2	−4.7	30.3	18.1	51	−6	1.57	+.79	15.7
Estevan Point, British Columbia	20				42.1		46.7	37.5	51	29	19.38		T
Prince Rupert, British Columbia	170				25.7		30.0	21.5	47	8	4.86		16.3