CLIMATOLOGICAL DATA

CONDENSED CLIMATOLOGICAL SUMMARY OF TEMPERATURE AND PRECIPITATION BY SECTIONS

[For description of tables and charts, see REVIEW, January 1941, p. 32]

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.

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	43.3	−3.2	2 stations	78	[1] 18	Madison	0	8	3.37	−1.47	Fairihope	7.44	Talladega	0.60
Arizona	42.6	+.7	3 stations	82	27	Alpine	−21	5	.62	−.70	Pinal Ranch	2.11	Montezuma Well	.00
Arkansas	38.1	−3.1	Arkadelphia	83	[1] 23	2 stations	−21	8	3.20	−1.17	St. Francis	6.28	Warren	.90
California	45.8	+1.1	Yorba Linda	87	[1] 14	Sierraville	−23	2	4.17	−.67	Cummings	20.10	3 stations	.00
Colorado	22.1	−1.8	Florence	70	28	Taylor Park	−38	6	.69	−.09	Columbine	2.98	2 stations	T
Florida	56.8	−2.1	2 stations	89	[1] 3	Mason	9	11	3.79	+1.01	Pompano	12.51	Daytona Beach	1.08
Georgia	45.5	−1.4	Waycross	79	18	Hollywood	−2	11	4.46	+.24	Quitman	10.73	Cedartown	1.73
Idaho	19.9	−4.1	Pierce	58	25	Island Park Dam	−45	4	1.38	−.78	Deadwood Dam	3.66	Lifton	.43
Illinois	27.9	+.2	2 stations	68	24	Freeport	−24	10	1.47	−.90	Brookport	6.08	Shelbyville	.09
Indiana	28.6	−.4	Marengo	67	24	Forest Reserve	−23	8	1.79	−1.29	Forest Reserve	4.31	Anderson	.34
Iowa	21.6	+3.0	Ottumwa	64	23	Decorah	−36	4	.76	−.34	Grundy Center	1.93	2 stations	.12
Kansas	30.3	+.5	Independence	72	23	Syracuse	−27	5	.37	−.32	Pittsburg	1.47	2 stations	.03
Kentucky	32.7	−3.0	3 stations	70	24	St. John	−23	8	2.93	−1.59	Paducah	5.70	Greenup	1.43
Louisiana	47.8	−3.8	New Orleans (Audubon).	82	18	2 stations	10	8	2.73	−2.10	Cinclare	10.57	New Orleans (Airport).	.63
Maryland-Delaware	32.3	−.9	2 stations	66	[1] 18	Oakland, Md	−19	8	2.47	−.89	Easton, Md	4.10	Westminster, Md	1.18
Michigan	21.5	+.6	2 stations	57	[1] 23	Vanderbilt	−35	10	1.82	−.07	Mancelona	4.56	2 stations	.33
Minnesota	17.7	+8.2	2 stations	62	[1] 21	4 stations	−33	[1] 4	.19	−.56	Pigeon River Bridge	2.91	7 stations	T
Mississippi	43.4	−3.8	Fruitland Park	82	18	2 stations	0	8	2.70	−2.37	Dlo	8.03	Holly Bluff	.95
Missouri	31.1	+.4	3 stations	74	[1] 23	2 stations	−24	8	1.66	−.73	Fisk	5.83	Marshall	.05
Montana	19.5	−.1	2 stations	65	21	West Yellowstone	−48	4	.53	−.39	Hebgen Dam	2.68	5 stations	T
Nebraska	24.8	+1.7	Butte	68	22	Gordon	−32	[1] 4	.27	−.26	Auburn	1.36	2 stations	.00
Nevada	30.0	+.4	Desert Game Range	83	10	2 stations	−28	[1] 4	.99	−.21	Marlette Lake	8.15	8 stations	.00
New England	21.6	−.9	Boston, Mass	60	2	2 stations	−29	9	3.03	−.43	Lake Cochituate, Mass.	5.12	Enosburg Falls, Vt	1.11
New Jersey	28.9	−2.0	Hammonton	66	19	Pleasantville	−23	11	2.98	−.67	Elizabeth	4.30	Long Valley	2.26
New Mexico	34.1	+.5	Agricultural College	78	26	Gavilan	−37	5	.25	−.33	Luna Ranger Station.	1.62	11 stations	.00
New York	22.4	−.7	Mohonk Lake	62	3	Stillwater Reservoir	−42	8	2.01	−.90	Cutchogue	4.60	Penn Yan	.58
North Carolina	39.6	−1.8	2 stations	74	[1] 20	Banners Elk	−14	11	2.53	−1.20	Rock House	6.39	Williamston	1.03
North Dakota	18.3	+11.8	4 stations	60	22	5 stations	−35	3	.09	−.38	Hannah	.46	Milnor	.00
Ohio	28.5	+.1	2 stations	65	18	2 stations	−21	[1] 6	1.48	−1.57	Fernbank	2.32	Lakeview	.54
Oklahoma	37.0	−1.2	Hugo	80	24	Beaver	−17	5	.74	−.70	Kiamicki Tower	4.06	Tipton	.03
Oregon	28.2	−3.6	Port Oxford	70	21	Meacham	−30	1	2.75	−1.04	Illahe	11.50	Paisley	.71
Pennsylvania	26.6	−1.7	Butler	64	24	Lawrenceville	−30	8	1.81	−1.38	Mauch Chunk	3.41	Ansonia	.81
South Carolina	44.8	−1.0	Georgetown	77	19	Cherokee (near)	1	11	2.66	−.88	Caesars Head	5.33	McColl No. 1	1.33
South Dakota	23.5	+6.7	2 stations	68	[1] 22	Ralph	−34	7	.06	−.48	Dumont	.62	4 stations	.00
Tennessee	36.0	−3.0	London	75	24	Union City	−23	8	3.87	−.96	Dresden	6.45	Bluff City	1.94
Texas	45.4	−2.8	Laredo	92	26	Miami	−15	5	.66	−1.03	Liberty	3.59	11 stations	.00
Utah	23.0	−2.2	2 stations	67	[1] 25	Woodruff	−37	4	.98	−.24	Alta	5.53	3 stations	.00
Virginia	34.7	−1.7	Columbia	71	24	Elkwood	−14	11	2.54	−.74	Floyd	5.47	Moores Creek Dam	.31
Washington	28.9	−1.7	Everett	67	21	Stockdill Ranch	−18	1	2.56	−2.42	Quinault	12.58	Mottinger	.39
West Virginia	30.7	−1.9	5 stations	67	[1] 18	Benson	−23	8	2.02	−1.58	Pickens	3.96	Franklin	1.16
Wisconsin	18.3	+3.1	6 stations	57	23	Hillsboro	−36	7	.69	−.55	Whitewater	2.40	Weyerhauser	.04
Wyoming	17.1	−2.8	Wheatland	63	28	Buffalo Ranch	−45	4	.49	−.29	Bechler River	3.24	4 stations	.00
Alaska (December)	8.3	+3.3	Chitina	59	8	Fort Yukon	−58	4	1.77	−.90	La Touche	16.94	Nenauageir	.03
Hawaii	69.2	+.6	Kaneoke	88	25	Kanalohuluhulu	34	[1] 3	2.24	−6.23	Honomaele	13.05	4 stations	.00
Puerto Rico	74.4	+1.6	Rio Piedras	95	23	Lares	51	21	3.77	−.05	La Mina (El Yunque).	14.43	Vieques (Colonia Resolucion).	.00
Hawaii (December)	69.6	−.5	Olaa, Hawaii	90	29	Volcano Obs'y, Hawaii.	39	29	6.39	−2.56	Kukui, Maui	43.00	5 stations	.00

[1] Other dates also.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS, JANUARY 1942

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 inch, or more	Wind: Average hourly velocity	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	Thunderstorms
	Ft.	Ft.	Ft.	In.	In.	In.	°F.	°F.	°F.		°F.	°F.		°F.	°F.	°F.	°F.	%	In.	In.		Miles								0-10	In.	In.	
New England							**22.9**	**+0.1**										**60**	**3.29**	**-0.1**										**5.2**			
Eastport	75	67	85	29.89	29.98	-0.02	20.2	-0.2	49	2	29	-12	8	11	43	19	15	78	2.68	-1.2	13	11.7	nw.	42	s.	2	10	9	12	5.6	11.3	T	0
Greenville, Maine	1,070	6	41	28.77	30.00	------	11.2	-1.0	48	18	23	-28	9	-1	49	9	6	---	2.47	-.4	12	------	nw.	----	------	---	7	12	12	----	11.5	11.9	0
Portland, Maine [1]	103	5	36	29.88	30.00	-.05	20.8	------	49	2	31	-16	8	11	42	18	11	69	3.20	-.8	7	9.4	sw.	39	se.	2	15	6	10	5.1	3.6	.2	1
Concord [2]	289	54	72	29.68	30.01	-.04	20.3	-1.3	56	2	32	-25	8	8	45	16	10	69	2.81	-.2	8	7.5	nw.	29	nw.	16	10	11	10	5.2	8.9	2.0	0
Burlington [2]	403	11	48	29.55	30.01	-.04	17.8	-1.0	45	2	26	-17	8	9	36	16	12	76	1.43	-.3	14	11.1	s.	41	s.	14	5	5	21	7.2	9.3	1.8	0
Northfield	876	12	60	29.02	30.02	-.03	17.5	+2.3	51	18	28	-23	8	6	54	----	----	---	2.28	-.1	11	8.3	sw.	26	sw.	18	7	8	16	6.7	12.5	4.2	0
Boston [1]	124	33	62	29.88	30.02	-.03	28.6	------	60	2	36	1	8	21	30	24	17	63	3.69	+.1	7	12.5	sw.	35	s.	2	11	9	11	5.6	8.2	.0	0
Nantucket	12	10	63	30.00	30.01	-.03	31.4	+.1	54	2	38	8	11	24	28	28	25	79	4.24	+.5	11	12.5	w.	44	ne.	28	10	5	16	6.4	18.7	7.0	1
Block Island	26	11	46	30.00	30.03	-.04	30.4	-.6	55	2	38	8	8	23	26	28	22	69	4.03	+.2	11	19.1	w.	47	nw.	16	16	4	11	4.4	7.9	1.5	0
Providence [2]	159	46	60	29.86	30.04	-.02	29.0	+1.8	57	2	37	1	8	21	30	23	18	73	3.98	+.3	10	9.6	w.	34	sw.	2	9	8	14	5.9	13.6	1.0	0
Hartford [1]	159	5	44	29.86	30.04	-.03	25.1	------	56	2	35	-10	11	16	37	22	17	72	4.20	+.3	9	9.5	n.	32	sw.	2	10	12	9	5.5	7.1	.0	1
New Haven [2]	107	74	153	29.94	30.06	-.02	28.7	+.5	55	2	36	0	8	21	30	25	20	76	4.42	+.4	9	9.4	sw.	31	s.	2	11	12	8	5.0	9.0	T	1
Middle Atlantic States							**33.4**	**0.0**										**64**	**2.51**	**-0.7**										**5.5**			
Albany [1]	97	26	40	29.94	30.04	-.03	22.0	------	53	2	31	-17	8	13	36	19	14	70	1.71	-.7	10	10.5	s.	36	nw.	14	9	7	15	6.0	11.5	.8	0
Binghamton	871	57	79	29.09	30.05	-.03	24.7	+.6	51	23	33	-15	8	16	39	22	18	78	1.60	-.8	14	6.2	w.	20	sw.	2	6	7	18	7.1	9.3	.0	0
New York	314	415	454	29.70	30.06	-.04	30.9	.0	57	24	38	5	8	23	26	27	19	61	3.17	-.5	10	17.2	nw.	58	se.	31	10	11	10	5.2	6.2	T	3
Harrisburg [1]	374	30	49	29.66	30.08	-.02	29.1	------	59	24	37	-3	9	21	30	26	20	68	2.37	-.7	8	7.9	w.	32	nw.	16	11	6	14	5.5	7.7	.0	0
Philadelphia [2]	114	74	367	29.96	30.08	-.03	32.5	-.1	59	2	40	6	8	26	27	27	22	72	2.34	-1.0	10	13.8	n.	44	s.	31	10	9	12	5.4	5.3	.0	1
Reading	323	47	306	29.72	30.09	------	30.2	-1.0	57	24	38	2	8	22	29	26	18	60	2.49	-1.1	11	11.7	nw.	44	w.	2	10	8	13	5.5	7.3	.0	0
Scranton	805	72	164	29.16	30.06	-.03	26.4	-.2	53	2	34	-8	8	18	29	----	----	---	1.36	-1.7	8	7.2	sw.	25	nw.	16	7	12	12	5.8	7.5	.0	1
Atlantic City	52	37	172	30.02	30.08	-.03	33.7	+1.2	59	2	41	9	8	26	26	30	23	66	2.92	-.6	8	16.6	w.	52	se.	31	12	8	11	5.5	3.3	.0	0
Trenton	190	89	107	29.87	30.08	------	30.2	-.3	59	2	38	2	11	23	27	27	20	65	2.82	-.5	9	9.6	nw.	31	w.	2	11	8	12	5.5	6.4	.0	1
Baltimore [2]	123	100	215	29.96	30.09	-.03	35.8	+2.0	65	18	43	8	8	28	31	30	23	65	2.04	-1.5	10	11.6	sw.	42	sw.	31	12	9	10	5.0	3.0	.0	0
Washington [1]	112	62	85	29.97	30.10	-.03	34.8	-1.4	65	18	42	7	8	27	32	30	24	67	2.47	-1.1	10	7.3	nw.	26	nw.	2	15	6	10	4.9	1.8	.0	0
Cape Henry	18	8	54	30.06	30.08	------	40.0	-.2	68	2	47	12	11	33	29	36	31	75	2.49	-.7	10	12.4	n.	47	n.	28	11	7	13	5.5	3.0	.0	1
Lynchburg	686	144	184	29.35	30.12	-.01	37.6	+.1	66	25	47	7	11	28	33	32	24	62	2.77	-.7	11	7.5	nw.	31	nw.	15	13	7	11	4.9	2.3	.0	0
Norfolk [2]	91	80	125	30.00	30.10	-.03	41.1	+.5	67	18	49	12	11	33	27	34	30	77	2.76	-.3	10	9.6	n.	32	n.	28	12	6	13	5.4	2.4	.0	0
Richmond [2]	144	11	52	29.94	30.10	-.04	36.8	-1.1	67	24	46	2	11	27	36	30	25	74	4.33	+1.1	10	8.5	sw.	34	sw.	31	16	3	12	4.7	5.2	.0	1
South Atlantic States							**46.8**	**+0.1**										**73**	**2.61**	**-1.0**										**4.9**			
Asheville	2,253	89	104	27.72	30.14	-.01	37.4	+2.0	68	24	47	-2	11	28	41	31	26	71	2.18	-.9	11	9.6	nw.	28	se.	31	12	8	11	5.4	3.1	T	0
Charlotte [2]	779	63	86	29.25	30.10	-.05	42.3	+1.1	69	24	52	11	11	33	33	34	29	72	1.86	-2.1	10	6.9	sw.	26	sw.	31	9	10	12	5.7	1.4	.0	0
Greensboro [1]	886	6	56	29.15	30.12	------	36.4	------	66	25	48	-5	11	25	39	31	26	72	2.36	------	9	7.8	sw.	29	sw.	31	12	7	12	5.4	4.7	.0	1
Hatteras	11	5	50	30.08	30.09	-.05	45.6	-1.5	67	19	52	24	11	39	24	42	39	84	3.75	-.7	9	13.4	n.	41	n.	28	15	4	12	4.9	2.5	.0	1
Raleigh [1]	376	27	69	29.70	30.11	-.02	40.6	------	71	25	51	6	11	30	35	34	27	66	1.29	-2.4	8	9.0	sw.	34	w.	2	11	12	8	5.0	.5	.0	1
Wilmington	72	73	107	30.04	30.12	-.02	46.4	-.1	70	19	56	17	11	37	30	40	35	72	2.05	-1.2	8	9.1	n.	37	sw.	31	13	9	9	4.5	.4	.0	0
Charleston [2]	48	11	92	30.07	30.12	-.03	49.6	-.3	74	19	58	24	11	42	28	41	38	79	2.88	-.1	7	9.9	n.	29	e.	3	14	8	9	4.6	.0	.0	1
Columbia, S. C. [2]	347	70	91	29.73	30.11	-.04	46.4	+.4	72	25	57	15	11	36	33	39	34	74	2.20	-1.2	8	8.4	sw.	29	sw.	31	11	12	8	4.9	T	.0	2
Greenville, S. C. [1]	1,040	70	78	28.99	30.11	------	41.4	------	69	24	51	12	11	32	37	35	29	68	2.84	-2.0	9	8.9	sw.	39	n.	28	11	11	9	5.1	1.2	.0	0
Augusta [2]	182	62	77	29.92	30.12	-.04	47.2	+.2	73	24	58	17	11	36	36	40	33	65	3.12	-.8	7	5.7	nw.	22	w.	31	11	13	7	4.9	.0	.0	2
Savannah [2]	65	73	52	30.06	30.14	-.01	51.6	+.2	75	24	62	21	11	41	32	42	38	73	3.41	+.6	9	10.6	nw.	29	nw.	28	12	10	9	4.9	.0	.0	0
Jacksonville [2]	43	86	110	30.10	30.14	-.01	54.5	-.9	77	19	65	25	11	44	30	45	42	78	3.13	+.3	5	7.8	nw.	25	sw.	27	14	12	5	3.7	.0	.0	2
Florida Peninsula							**67.4**	**-0.6**										**82**	**2.54**	**+0.1**										**5.5**			
Key West [2]	21	10	64	30.07	30.09	-.01	68.3	-1.2	85	2	74	52	24	63	18	63	61	84	2.38	+.4	9	9.9	ne.	27	nw.	28	11	10	10	5.4	.0	.0	2
Miami [2]	25	124	168	30.08	30.10	-.03	66.5	.0	83	2	74	44	11	59	24	58	56	83	2.02	-.5	9	10.6	n.	26	w.	28	8	7	16	6.1	.0	.0	0
Tampa [1]	35	5	61	30.11	30.14	+.02	58.2	------	76	3	67	31	11	49	29	52	48	78	3.21	+.5	11	10.2	n.	29	s.	2	12	7	12	4.9	.0	.0	0
East Gulf States							**46.9**	**-2.1**										**60**	**3.63**	**-1.1**										**3.5**			
Atlanta [1]	1,173	5	72	28.87	30.14	-.01	42.6	------	70	25	53	13	8	32	32	35	28	63	3.47	-1.6	7	11.2	nw.	34	w.	31	13	8	10	4.9	.1	.0	3
Macon [2]	370	79	87	29.74	30.14	-.02	46.0	-.8	74	24	58	15	11	35	38	38	32	68	3.75	-.4	4	7.4	nw.	25	s.	31	15	7	9	4.4	T	.0	2
Thomasville	273	49	58	29.87	30.18	+.02	48.7	-2.3	76	18	60	20	11	38	36	----	----	---	8.59	+4.5	7	------	------	----	------	---	15	9	7	----	.0	.0	2
Apalachicola	35	11	51	30.12	30.16	------	52.0	-1.7	76	19	61	23	11	43	26	46	43	77	5.10	+1.4	8	9.0	n.	25	nw.	27	18	8	5	3.4	.0	.0	3
Pensacola	56	54	79	30.12	30.18	+.04	49.6	-2.9	73	1	58	20	11	41	26	44	39	72	4.39	+.4	7	8.4	n.	26	s.	30	18	5	8	3.9	.0	.0	7
Anniston	741	9	----	------	------	------	42.8	+.6	70	24	55	10	11	31	35	----	----	---	2.48	-2.7	8	------	nw.	----	------	---	8	13	10	----	.1	.0	0
Birmingham [2]	700	11	48	29.42	30.18	+.02	42.8	-2.3	71	24	53	7	8	33	32	34	29	72	1.89	-3.6	7	7.7	n.	30	se.	1	16	5	10	4.4	T	.0	0
Mobile [2]	57	6	30	30.13	30.19	+.04	48.4	-3.1	75	1	58	18	11	39	32	41	37	76	4.10	-.8	8	10.9	n.	30	s.	30	15	9	7	4.5	.0	.0	3
Montgomery [2]	218	92	105	29.94	30.18	+.02	46.0	-2.2	71	26	56	16	11	36	31	38	32	69	4.00	-1.2	7	7.8	n.	21	se.	30	15	6	10	4.5	.1	.0	3
Meridian [2]	375	67	92	29.78	30.20	+.04	43.4	-3.6	72	23	55	10	8	32	41	36	32	75	2.60	-2.7	6	6.3	n.	25	s.	30	16	8	7	3.9	.3	.0	2
Vicksburg [2]	247	82	102	29.92	30.20	+.05	44.8	-3.4	74	23	54	10	8	35	35	34	30	73	1.88	-3.5	5	9.1	n.	30	w.	30	14	7	10	4.5	T	.0	2
New Orleans [2]	53	76	84	30.14	30.19	+.06	51.5	-1.7	78	1	60	26	8	43	28	44	39	70	1.32	-3.0	5	7.4	ne.	21	se.	30	16	7	8	3.8	.0	.0	3
West Gulf States							**46.7**	**-1.6**										**72**	**0.93**	**-1.9**										**5.2**			
Shreveport [1]	249	92	227	29.94	30.22	+.08	44.9	------	77	23	56	15	8	34	41	39	34	71	1.12	-2.8	5	11.9	nw.	40	w.	30	16	4	11	4.7	T	.0	2
Bentonville	1,303	12	51	28.77	30.20	+.06	34.0	-.1	70	23	45	-4	5	23	35	----	----	---	1.28	-1.4	7	7.6	sw.	21	sw.	17	11	18	2	---	5.7	---	2
Fort Smith	463	57	82	------	30.21	+.07	37.6	-1.9	73	23	48	3	5	27	----	----	----	---	2.19	-.4	6	7.7	e.	26	se.	30	15	10	6	---	4.4	.0	3
Little Rock [2]	357	94	102	29.81	30.20	+.05	39.8	-1.6	73	23	49	6	8	30	40	33	28	73	2.72	-2.0	7	8.2	nw.	27	w.	30	13	8	10	4.7	2.7	.0	4
Austin [2]	605	68	90	29.58	30.23	------	48.6	-.9	82	25	60	17	8	37	40	41	34	66	.07	-2.0	4	7.8	n.	25	w.	30	9	11	11	5.7	.0	.0	0
Brownsville [2]	57	88	96	30.11	30.17	------	57.6	-2.2	81	30	65	33	8	50	23	52	50	83	.60	-1.1	7	11.0	n.	30	nw.	3	9	8	14	6.0	.0	.0	0
Corpus Christi [2]	20	11	78	30.18	30.20	+.10	54.2	-1.8	78	26	62	27	8	47	27	47	44	78	.14	-1.4	4	10.4	n.	28	nw.	30	13	7	11	4.8	.0	.0	1
Dallas [1]	512	6	46	29.67	30.23	------	42.8	------	78	23	55	10	5	30	44	36	29	66	.47	-1.9	4	9.7	n.	38	nw.	30	14	6	11	5.2	1.0	.0	1
Fort Worth [1]	679	35	56	29.50	30.24	+.12	43.1	------	78	25	55	9	5	31	41	36	29	65	.39	-1.7	4	11.0	nw.	43	nw.	30	11	12	8	5.0	1.3	.0	1
Galveston [2]	54	106	114	30.15	30.21	+.08	51.6	-2.2	74	30	57	28	8	46	25	46	43	80	.77	-2.6	7	10.2	n.	30	se.	30	10	10	11	5.2	.0	.0	2
Houston [2]	138	157	190	30.07	30.23	------	51.4	-1.3	76	24	60	28	10	42	35	44	39	74	.98	-2.7	7	10.4	n.	29	nw.	30	14	6	11	5.2	.0	.0	2
Palestine	510	64	72	29.69	30.23	+.11	45.8	-2.4	77	25	56	15	8	36	40	39	32	64	.57	-2.9	5	7.6	n.	28	w.	30	11	10	10	4.9	T	.0	2
Port Arthur	34	59	134	30.18	30.21	------	50.4	------	76	30	59	24	8	42	32	44	39	72	1.58	-2.1	8	12.9	n.	45	s.	30	14	7	10	4.7	.0	.0	4
San Antonio [1]	693	28	59	29.47	30.22	+.12	50.2	------	82	26	62	23	8	38	43	43	36	66	.13	-1.3	4	8.3	ne.	31	nw.	30	11	6	14	5.6	.0	.0	0
Ohio Valley and Tennessee							**32.0**	**-0.7**										**75**	**2.27**	**-1.5**										**5.9**			
Chattanooga [1]	762	21	54	29.32	30.16	.00	37.6	------	69	24	50	6	8	25	43	32	27	74	3.45	------	8	6.7	s.	28	w.	31	9	9	13	5.7	.2	.0	2
Knoxville [2]	995	66	84	29.06	30.14	-.01	37.6	-1.2	66	24	47	4	8	28	34	32	26	68	3.63	-1.0	9	5.8	w.	24	w.	31	8	10	13	6.1	1.9	.0	2
Memphis [2]	399	78	86	29.75	30.19	+.03	36.9	-4.0	70	24	48	1	8	26	39	32	28	76	4.35	-.5	7	8.6	sw.	34	w.	30	14	8	9	4.7	1.4	.0	4
Nashville [1]	546	5	72	29.56	30.17	+.01	35.0	------	71	24	46	-9	8	24	35	30	25	72	2.81	-2.0	7	9.0	s.	29	sw.	31	12	5	14	5.5	5.3	T	1
Lexington	989	6	----	29.05	30.16	+.03	31.5	-1.4	65	24	42	-11	8	21	32	----	----	---	3.38	-.8	10	------	s.	----	------	---	12	7	12	5.2	9.3	.4	0
Louisville [2]	525	160	120	29.55	30.14	.00	32.8	-1.6	65	24	41	-4	8	25	28	27	22	73	2.58	-1.4	8	10.0	sw.	34	sw.	31	15	4	12	5.1	5.2	T	0
Evansville [1]	431	5	38	29.67	30.15	+.01	30.6	------	66	24	41	-15	8	21	36	27	23	77	2.68	-1.1	7	9.1	sw.	34	w.	1	12	5	14	5.4	5.1	T	1
Idnianapolis [2]	823	98	129	29.18	30.10	-.02	29.2	+.8	58	24	37	-7	8	22	31	24	21	80	1.20	-1.8	4	9.3	sw.	32	w.	31	12	3	16	5.8	T	T	1
Terre Haute [2]	575	68	149	29.50	30.14	------	29.8	------	62	24	38	-6	8	21	32	24	21	80	1.24	-1.5	8	10.6	sw.	34	sw.	1	12	5	14	5.3	.8	.1	0

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS, JANUARY 1942—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.÷	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 inch, or more	Wind: Average hourly velocity	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	Thunderstorms
	Ft.	Ft.	Ft.	In.	In.	In.	°F.	°F.	°F.		°F.	°F.		°F.	°F.	°F.	°F.	%	In.	In.		Miles								0-10	In.	In.	
Other Valley and Tennessee—Con.																																	
Cincinnati [2]	627	11	51	29.42	30.13	+.01	31.3	+1.0	61	24	39	−7	8	23	28	27	23	77	2.02	−1.5	12	9.1	sw.	31	w.	31	10	6	15	5.8	5.3	.1	1
Columbus [2]	822	90	110	29.18	30.09	−.02	29.4	+.8	57	18	37	−7	8	22	23	25	21	78	1.24	−1.8	9	11.1	s.	42	sw.	2	9	4	18	6.7	2.8	.3	1
Dayton [2]	900	106	213	29.10	30.10	------	29.7	+.2	56	24	37	−6	8	23	23	25	22	83	1.55	−1.7	9	11.8	sw.	48	sw.	2	8	5	18	6.3	3.2	.2	1
Elkins [2]	1,947	61	78	27.98	30.11	−.01	29.4	−1.0	62	18	40	−7	11	19	44	25	20	75	2.01	−1.8	11	7.2	w.	27	sw.	31	4	11	16	6.9	4.1	T	1
Parkersburg	637	77	84	29.40	30.10	−.02	32.0	−.5	62	18	40	−7	8	24	36	28	23	73	1.53	−2.0	10	6.5	se.	25	sw.	2	6	8	17	6.9	4.2	.1	0
Pittsburgh [1]	842	39	54	29.15	30.07	−.04	29.0	------	59	18	37	−9	8	21	34	25	19	70	1.54	−1.5	9	12.0	sw.	43	sw.	2	6	11	14	6.5	5.5	T	1
Lower Lake Region							24.4	+0.4										80	1.88	−0.7										7.5			
Buffalo [2]	768	243	280	29.16	30.02	−.05	24.2	−.4	45	18	30	−5	8	18	33	22	18	77	3.25	.0	18	18.4	sw.	65	w.	2	4	6	21	8.0	31.0	.0	0
Canton	448	10	61	29.51	30.01	------	15.8	−.5	47	2	25	−23	8	6	41	15	13	87	2.62	+.1	19	10.1	sw.	38	w.	2	8	3	20	7.0	15.1	2.2	0
Ithaca	836	77	100	------	------	------	24.9	+.6	52	23	32	−8	8	18	31	------	------	------	1.30	−.9	16	10.4	nw.	36	se.	1	5	3	23	7.7	11.0	.0	0
Oswego	335	71	85	29.64	30.02	−.05	23.8	−.1	48	18	31	−4	8	16	33	22	16	72	2.31	−.6	16	11.2	s.	30	sw.	7	1	6	24	8.4	24.3	1.5	0
Rochester [1]	523	5	69	29.44	30.03	−.04	24.4	------	50	18	32	−10	8	17	38	22	19	83	1.28	−1.6	16	12.5	sw.	46	w.	2	6	5	20	7.3	5.0	.0	0
Syracuse [1]	596	5	51	29.36	30.03	−.04	24.2	------	50	23	32	−8	8	16	45	21	18	79	1.59	−1.4	16	11.5	sw.	38	sw.	2	8	3	20	7.2	9.5	.0	0
Erie [2]	714	57	81	29.24	30.04	−.04	27.4	+.6	51	18	33	0	6	22	33	24	21	85	1.64	−1.1	13	10.2	sw.	29	sw.	2	1	7	23	8.5	8.5	.0	1
Cleveland [1]	762	27	54	29.30	30.06	−.03	27.3	------	53	18	35	−9	8	20	30	24	21	80	1.79	−.7	14	12.5	sw.	43	sw.	2	6	4	21	7.3	5.6	T	0
Sandusky	629	5	67	------	------	------	28.0	+1.7	55	23	35	−5	8	21	29	------	------	------	1.09	−1.2	10	10.8	sw.	34	sw.	2	6	5	20	7.2	2.1	.7	0
Toledo [2]	628	79	87	29.35	30.06	−.03	26.5	+.7	53	23	33	−8	8	20	31	23	19	79	1.75	−.4	8	11.4	w.	35	w.	6	6	5	20	7.1	1.1	.3	0
Fort Wayne [1]	857	69	84	29.12	30.07	------	25.4	------	52	23	32	−10	8	18	29	24	21	84	1.91	−.4	7	10.7	sw.	35	sw.	1	7	6	18	6.8	1.1	T	0
Detroit [1]	730	5	78	29.22	30.04	−.04	25.8	------	52	23	32	−5	7	20	23	23	18	73	2.03	.0	9	12.3	sw.	40	sw.	6	6	6	19	7.2	3.3	.5	0
Upper Lake Region							20.6	+2.9										81	1.24	−0.6										6.9			
Alpena	609	5	89	29.29	29.98	−.06	21.4	+2.3	46	23	28	−8	10	15	27	20	17	84	1.71	−.2	14	11.8	sw.	35	nw.	14	4	7	20	7.8	13.7	5.8	0
Escanaba	612	51	72	29.31	30.01	−.04	19.0	+3.6	53	23	26	−20	7	12	26	17	13	80	.42	−1.1	8	11.6	sw.	42	n.	1	6	11	14	6.5	8.6	3.1	0
Grand Rapids [2]	707	70	244	29.22	30.01	−.05	25.6	+1.1	47	24	31	−6	7	20	22	22	19	87	2.53	+.2	17	12.7	sw.	44	sw.	1	4	4	23	8.1	31.2	7.0	0
Lansing [1]	878	5	90	29.05	30.03	------	23.2	+.8	48	24	30	−9	8	17	25	21	18	83	2.15	+.3	13	10.0	sw.	29	sw.	1	5	7	19	7.4	13.9	5.4	0
Marquette	734	44	73	29.14	29.97	−.07	20.6	+4.3	52	23	27	−15	7	14	26	18	14	77	.52	−1.8	14	10.4	w.	36	sw.	17	5	10	16	7.2	5.3	2.0	0
Sault Sainte Marie [2]	614	11	52	29.26	29.96	−.07	14.5	+1.2	40	17	23	−23	10	6	37	13	11	84	1.42	−.6	16	11.4	e.	39	nw.	14	2	7	22	8.3	13.5	4.0	0
Chicago	673	7	131	29.32	30.08	−.02	25.6	+1.9	50	23	32	−13	7	20	28	23	19	75	1.39	−.5	6	11.8	sw.	32	n.	31	9	6	16	6.5	4.6	2.6	0
Green Bay	617	109	141	29.32	30.02	−.04	18.8	+2.1	46	23	26	−22	7	12	27	18	15	80	.78	−.8	6	12.2	sw.	40	n.	1	11	6	14	5.7	8.4	.1	0
Milwaukee [1]	681	33	66	29.28	30.05	−.03	20.0	------	44	23	28	−23	8	12	36	19	16	82	1.16	−.6	6	13.7	sw.	37	sw.	10	8	11	12	5.9	8.1	4.2	1
Duluth	1,133	5	47	28.74	30.02	−.07	17.0	+9.1	55	23	26	−26	7	8	35	13	10	82	.31	−.7	5	14.5	nw.	55	nw.	14	12	8	11	5.4	3.1	2.6	0
North Dakota							18.3	+13.4										79	0.08	−0.4										5.0			
Moorhead, Minn. [2]	940	50	58	29.01	30.08	−.06	18.0	+14.2	52	23	27	−22	7	9	30	14	11	82	.07	−.6	4	8.9	nw.	33	nw.	13	8	9	14	6.1	.8	T	0
Bismarck [1]	1,677	4	41	28.26	30.14	+.01	19.4	+11.6	54	24	32	−28	7	7	41	16	12	76	.04	−.4	2	10.5	nw.	43	nw.	13	14	10	7	4.4	.7	.1	0
Devils Lake	1,478	11	44	28.42	30.07	−.05	16.1	+14.3	47	23	25	−27	7	7	33	14	12	85	.04	−.4	2	9.6	w.	34	nw.	13	8	10	13	6.1	.7	.3	0
Lemmon, S. D.	2,602	4	38	27.32	30.16	------	22.0	------	57	22	35	−27	5	9	37	18	12	------	.02	------	1	------	w.	------	------	------	15	9	7	------	.3	.0	0
Grand Forks	832	11	71	29.12	30.07	------	15.7	------	51	23	26	−26	7	6	34	14	11	------	.18	------	6	------	------	------	------	------	8	7	16	------	2.1	.6	0
Williston	1,878	42	50	28.08	30.15	+.04	19.7	+13.3	50	25	30	−27	3	9	35	16	11	73	.15	−.4	5	7.3	sw.	31	nw.	13	21	3	7	3.4	1.5	.7	0
Upper Mississippi Valley							25.0	+2.7										79	1.12	−0.5										4.9			
Minneapolis [1]—St. Paul, Minn. [1]	919	32	61	29.03	30.07	−.04	20.5	------	53	23	29	−20	4	12	42	17	12	73	.15	−.7	2	10.6	nw.	38	nw.	14	14	6	11	4.8	1.7	T	0
Springfield, Minn.	1,025	4	42	28.95	30.10	------	20.6	------	53	22	29	−23	7	12	30	18	13	------	.13	------	1	------	w.	------	------	------	13	12	6	------	1.8	T	0
La Crosse [2]	714	11	48	29.26	30.07	−.04	20.9	+4.8	50	22	29	−21	7	13	35	17	13	79	.59	−.5	3	6.1	s.	21	nw.	14	12	7	12	5.1	5.7	.2	0
Madison [2]	974	70	78	28.97	30.07	−.03	20.3	+3.6	48	23	27	−22	7	14	34	17	14	83	1.09	−.3	4	9.5	nw.	39	ne.	1	11	9	11	5.6	10.4	.5	0
Charles City	1,015	10	51	28.97	30.12	−.02	18.0	+4.3	45	23	27	−25	7	9	38	16	14	85	.85	−.2	1	6.6	nw.	20	nw.	1	14	8	9	4.2	8.9	.7	0
Davenport [2]	606	66	61	29.43	30.13	+.01	24.1	+2.3	54	23	32	−14	4	16	36	20	18	85	.93	−.5	4	10.2	nw.	25	se.	29	14	5	12	5.1	5.4	1.2	0
Des Moines [2]	861	5	99	29.17	30.13	−.01	23.5	+3.4	55	25	32	−17	10	15	46	20	16	79	1.18	+.1	1	10.5	nw.	30	n.	1	15	9	7	4.2	17.7	T	0
Dubuque	699	60	79	29.31	30.10	−.02	21.8	+2.7	48	23	30	−17	7	14	36	19	15	78	1.01	−.3	3	6.7	nw.	22	nw.	31	14	4	13	5.0	10.9	T	0
Burlington, Iowa	35	6	702	29.33	30.12	------	24.5	------	58	23	33	−14	10	16	39	22	16	73	.57	−1.1	3	------	------	------	------	------	13	7	11	4.8	4.7	1.3	0
Cairo	358	87	93	29.78	30.18	+.02	34.2	−.7	65	24	42	−5	8	26	34	------	------	------	3.12	−.6	8	9.0	sw.	30	sw.	1	10	11	10	5.3	5.4	.0	1
Peoria [2]	609	11	45	29.43	30.12	.00	25.6	+2.5	57	23	34	−11	10	17	28	22	20	84	1.22	−.6	6	6.8	w.	26	sw.	1	13	5	13	5.0	3.5	3.0	0
Springfield, Ill. [2]	636	5	191	29.42	30.13	.00	29.0	+2.5	57	23	38	−6	10	21	31	23	20	83	1.59	−.5	4	10.2	nw.	30	w.	1	13	6	12	5.6	2.4	2.2	0
St. Louis [5]	568	179	303	29.52	30.16	+.02	32.5	+1.4	67	23	41	−5	10	24	33	28	20	62	1.44	−.9	6	12.5	nw.	32	nw.	2	15	5	11	4.5	.6	.5	0
Missouri Valley							28.3	+2.7										77	0.33	−0.8										4.4			
Columbia, Mo. [2]	784	6	66	29.30	30.17	+.04	31.1	+1.9	69	23	41	−6	10	21	35	26	21	73	.38	−1.5	2	8.1	w.	24	nw.	9	14	10	7	4.4	2.0	.8	0
Kansas City [1]	963	38	76	29.11	30.19	+.03	31.5	------	66	23	42	−6	4	22	34	27	21	70	.14	−1.0	2	10.9	sw.	32	nw.	31	14	9	8	4.3	.6	.0	0
St. Joseph [2]	967	11	49	29.11	30.19	------	28.4	+2.9	62	26	38	−8	4	19	36	24	22	88	.28	−1.0	2	9.0	nw.	30	nw.	31	17	6	8	4.3	4.1	.0	0
Springfield, Mo. [1]	1,324	95	60	28.73	30.18	+.04	31.4	−2.1	68	23	42	−4	8	20	39	27	23	76	1.55	−.8	6	12.1	nw.	33	w.	1	15	4	12	4.7	4.6	2.8	0
Topeka	987	65	87	29.10	30.20	------	31.0	+3.4	61	23	40	−6	4	22	31	27	21	72	.11	−.8	1	9.3	w.	28	nw.	9	14	8	9	4.1	.9	.0	0
Lincoln [2]	1,189	11	81	28.86	30.19	+.04	27.0	+4.2	56	25	35	−9	5	19	33	21	19	83	.27	−.4	3	9.4	s.	33	nw.	1	14	8	9	4.4	2.8	.0	0
Omaha [1]	1,105	31	44	28.94	30.18	+.03	25.2	+3.3	58	25	34	−12	4	16	40	22	18	78	.09	−.6	1	11.2	nw.	38	nw.	1	15	7	9	4.2	6.4	.0	0
Valentine	2,598	46	54	27.37	30.20	+.08	24.0	+5.1	57	22	36	−23	4	12	47	20	15	71	.13	−.4	4	9.0	w.	31	nw.	13	12	10	9	4.8	.7	.1	1
Sioux City [1]	1,138	5	27	28.89	30.16	+.01	22.2	------	56	22	32	−24	4	12	52	20	16	81	.49	------	1	10.0	nw.	32	nw.	1	14	9	8	4.3	5.3	.0	0
Huron [1]	1,301	26	41	28.69	30.14	−.02	22.6	------	57	21	34	−24	7	12	35	19	15	77	.04	−.5	2	13.2	nw.	35	s.	28	17	7	7	4.0	.7	T	0
Northern Slope							21.4	+1.0										76	0.41	−0.3										5.3			
Billings [1]	3,570	18	39	26.42	30.22	------	25.8	------	49	23	35	−25	1	17	27	22	16	70	.40	------	6	14.8	sw.	34	sw.	1	10	13	8	5.1	3.2	T	0
Havre	2,507	11	67	27.46	30.20	+.10	24.3	+1.4	50	24	36	−24	1	13	48	22	16	70	.04	−.7	2	10.2	sw.	30	w.	13	9	10	12	5.5	.6	.0	0
Helena [1]	4,124	5	35	25.95	30.43	+.28	9.8	------	47	11	20	−37	5	−1	37	9	7	84	.60	−.3	7	4.4	w.	26	w.	13	12	5	14	5.4	10.6	6.0	0
Missoula [2]	3,205	80	91	26.85	30.42	------	17.0	−5.3	44	24	24	−18	1	10	22	14	12	88	.55	−.5	6	4.3	w.	24	e.	3	5	10	16	7.2	10.6	.4	0
Kalispell	2,973	48	56	27.16	30.38	+.26	17.4	−3.0	43	25	23	−13	7	12	20	17	16	94	.79	−.8	11	3.6	w.	13	sw.	25	1	4	26	8.7	8.1	.7	0
Miles City [2]	2,371	48	55	27.62	30.22	+.10	23.6	+9.1	52	24	34	−28	1	13	34	19	15	75	.22	−.4	5	5.7	s.	32	nw.	13	14	8	9	4.5	1.6	.5	0
Rapid City [2]	3,259	50	58	26.69	30.19	+.09	28.2	+6.2	68	22	40	−18	5	16	39	21	14	64	.04	−.4	3	7.8	w.	37	nw.	13	18	6	7	4.1	.5	T	0
Cheyenne [1]	6,094	5	39	24.02	30.22	+.17	24.6	------	59	28	37	−27	4	12	40	20	12	59	.77	+.4	7	12.1	nw.	34	nw.	5	9	11	11	5.2	11.5	2.0	0
Lander	5,352	60	68	24.76	30.40	+.18	10.6	−7.7	48	28	23	−32	5	−2	34	9	2	69	.55	.0	6	2.9	sw.	15	sw.	28	13	14	4	4.3	6.3	2.5	0
Sheridan [6]	3,790	6	42	26.19	30.23	------	24.1	+4.6	54	23	36	−21	7	12	35	20	17	80	.30	−.6	8	6.6	nw.	35	nw.	2	12	8	11	5.1	3.5	.4	0
North Platte [2]	2,821	11	51	27.17	30.22	+.10	26.0	+3.1	62	22	38	−16	4	14	44	20	17	78	.25	−.1	6	7.7	w.	22	n.	1	17	7	7	3.5	2.0	T	0
Middle Slope							32.7	+2.1										70	0.29	−0.4										4.1			
Denver [1]	5,292	106	113	24.79	30.22	+.17	30.0	------	60	28	41	−12	5	19	40	21	14	62	.65	+.2	4	7.2	s.	29	w.	25	17	8	6	3.9	7.7	4.8	0
Pueblo [1]	4,690	5	36	25.37	30.24	+.19	28.4	------	65	24	45	−21	5	12	52	20	14	65	.11	−.2	3	7.0	w.	38	w.	8	15	12	4	3.6	3.5	.5	1
Concordia	1,392	50	58	28.68	30.21	+.07	28.8	+2.4	58	24	37	−8	2	20	30	25	22	80	.26	−.4	1	8.3	w.	27	nw.	1	15	8	8	4.2	6.4	.0	0
Dodge City	2,509	10	86	27.52	30.22	+.11	31.5	+2.5	68	22	45	−13	5	18	44	25	19	68	.10	−.3	4	10.9	nw.	31	s.	28	12	14	5	4.4	1.9	.0	0
Wichita [1]	1,358	6	64	28.72	30.21	+.08	32.0	------	63	29	43	−2	5	21	34	27	23	78	.23	−.6	4	14.5	nw.	45	n.	30	16	8	7	4.1	2.2	.0	0
Oklahoma City [2]	1,214	10	47	28.90	30.23	+.12	37.8	+1.4	73	23	48	2	5	27	32	30	24	66	.37	−.8	4	9.3	nw.	26	nw.	30	10	17	4	4.5	2.2	.1	1

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS, JANUARY 1942—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 inch, or more	Wind: Average hourly velocity	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	Thunderstorms
	Ft.	Ft.	Ft.	In.	In.	In.	°F.	°F.	°F.		°F.	°F.		°F.	°F.	°F.	°F.	%	In.	In.		Miles								0-10	In.	In.	
Southern Slope							**42.1**	**+0.2**										**62**	**0.15**	**−0.5**										**5.1**			
Abilene [3]	1,738	10	56	28.36	30.21	+.12	43.0	−1.2	79	25	55	11	8	31	42	34	27	63	.08	−.9	3	8.6	s.	29	s.	29	9	9	13	5.5	.1	.0	1
Amarillo [3]	3,676	10	49	26.37	30.20	+.14	34.8	−.5	71	23	49	−5	5	20	55	27	20	64	.06	−.4	2	13.0	sw.	42	sw.	8	12	11	8	5.0	4.0	.0	0
Del Rio	960	63	71	29.16	30.17	+.11	50.5	+1.8	83	25	62	25	10	40	40	43	34	60	.30	−.3	2	8.2	se.	30	nw.	30	13	5	13	5.1	.0	.0	0
Roswell	3,566	75	85	26.49	30.18	+.14	40.0	+.8	73	25	54	16	4	27	43	34	26	63	.15	−.4	2	7.1	s.	33	w.	29	13	8	10	4.8	1.8	.0	0
Southern Plateau							**33.5**	**+3.3**										**51**	**0.24**	**−0.4**										**4.4**			
El Paso [3]	3,778	82	101	26.28	30.12	+.11	47.7	+2.7	74	28	60	26	5	36	37	37	26	50	.14	−.3	2	7.8	w.	27	ne.	14	11	12	8	4.6	.0	.0	1
Albuquerque [1]	5,314	5	45	24.83	30.16	------	37.0	------	63	23	50	9	5	24	35	29	20	53	.13	−.3	2	8.6	n.	38	e.	13	12	14	5	4.5	2.1	.0	0
Phoenix [3]	1,107	39	87	28.91	30.08	+.05	54.5	+3.3	78	27	68	28	4	41	34	44	34	56	.35	−.4	3	5.0	e.	20	ne.	20	12	10	9	4.9	.0	.0	0
Tucson [1]	2,555	5	23	27.42	30.06	------	53.0	------	82	27	67	27	5	39	39	43	34	54	.50	−.4	2	------	se.	----	------	----	9	16	6	4.7	.0	.0	0
Yuma	142	9	54	29.95	30.10	+.05	58.2	+3.8	80	27	70	31	3	46	36	47	34	43	.19	−.3	2	6.5	n.	20	n.	10	16	9	6	3.5	.0	.0	0
Independence	3,957	5	26	26.10	30.23	+.16	------	------	----	----	----	----	----	----	----	32	24	----	.14	−.8	3	------	nw.	----	------	----	12	8	11	4.0	----	.0	0
Middle Plateau							**26.6**	**−1.1**										**81**	**0.89**	**−0.1**										**6.2**			
Reno [3]	4,527	61	76	25.59	30.28	+.15	28.5	−3.1	51	25	37	−9	2	20	33	25	22	84	1.41	−.1	8	3.3	w.	24	w.	27	7	7	17	6.9	.8	.0	0
Tonopah	6,090	9	20	24.12	30.22	------	31.2	------	51	26	39	2	2	24	21	27	23	----	.41	------	4	------	se.	----	------	----	11	9	11	----	1.9	T	0
Winnemucca	4,339	5	56	25.79	30.31	+.15	25.8	−2.8	46	10	36	−11	1	16	34	24	22	84	1.36	+.3	14	5.5	ne.	19	n.	24	8	4	19	7.0	7.4	.0	0
Modena	5,473	10	46	------	------	------	23.8	−2.9	54	27	35	−14	2	12	32	----	----	----	.33	−.5	1	6.7	w.	24	s.	27	7	14	10	5.6	5.7	.0	0
Salt Lake City [1]	4,357	86	47	25.80	30.38	+.23	20.4	------	50	28	30	−13	6	11	32	20	19	92	1.18	+.2	9	5.1	se.	25	s.	27	6	11	14	6.8	12.6	.8	0
Grand Junction	4,602	60	68	25.55	30.24	+.18	28.4	+4.4	54	26	39	−8	5	18	29	25	18	65	.19	−.4	5	4.8	se.	19	sw.	28	13	9	9	4.8	2.0	.0	1
Northern Plateau							**24.3**	**−4.0**										**88**	**1.27**	**−0.4**										**7.7**			
Baker [3]	3,471	36	54	26.64	30.36	+.20	23.6	−1.3	44	25	31	−9	1	17	26	22	20	90	1.04	−.4	11	5.4	s.	20	s.	24	6	7	18	6.8	9.9	.1	0
Boise [1]	2,739	5	49	27.43	30.40	+.21	20.7	------	48	26	29	−13	1	13	31	20	18	86	.98	------	12	7.9	se.	31	se.	24	5	4	22	7.6	11.5	.0	0
Pocatello [1]	4,478	5	31	25.65	30.40	+.20	17.2	------	52	27	27	−22	4	8	36	17	15	91	2.22	------	15	6.3	sw.	32	sw.	8	6	6	19	6.9	16.5	3.0	0
Spokane [1]	1,929	27	42	28.22	30.35	+.23	22.6	------	48	25	30	−7	4	16	24	23	21	88	1.24	−.9	11	3.8	e.	18	sw.	25	5	6	20	7.6	4.9	.0	0
Walla Walla	991	57	65	29.24	30.37	+.22	23.9	−8.8	55	24	28	0	5	19	38	----	----	----	1.36	−.6	9	3.8	s.	22	se.	31	2	2	27	9.1	10.4	.0	0
Yakima	1,076	58	67	29.15	30.34	------	25.4	−2.0	48	25	30	2	5	20	21	24	21	83	1.43	+.1	8	3.4	s.	11	n.	7	4	3	24	8.1	5.6	.2	0
North Pacific Coast Region							**41.8**	**+1.4**										**77**	**4.18**	**−2.4**										**7.8**			
North Head	211	5	56	29.84	30.08	+.03	43.5	+1.4	57	13	48	22	1	39	22	40	34	73	8.07	−.7	18	15.6	e.	40	sw.	26	5	4	22	7.6	T	.0	0
Seattle [3]	125	90	321	30.01	30.14	+.09	42.8	+3.3	63	20	48	22	1	38	19	37	32	74	2.83	−2.1	13	6.9	se.	34	s.	25	5	5	21	7.4	1.0	.0	0
Tacoma	194	172	201	29.92	30.13	+.09	40.1	+1.3	61	21	46	19	1	34	24	----	----	----	3.26	−2.9	13	4.9	n.	25	s.	25	3	4	24	8.2	2.3	.0	1
Tatoosh Island	86	9	61	29.98	30.07	+.09	44.9	+3.7	59	20	48	30	7	42	11	41	35	71	4.54	−7.3	17	22.4	e.	62	e.	7	5	4	22	7.9	1.0	.0	0
Medford [1]	1,329	29	58	28.72	30.16	------	39.8	------	59	21	48	16	1	32	29	38	34	79	2.19	−.6	10	------	nw.	----	------	----	2	7	22	7.8	T	.0	0
Portland, Oreg. [3]	154	68	106	30.00	30.17	+.11	36.6	−2.8	56	25	40	21	1	33	16	33	29	79	4.18	−2.4	15	6.8	e.	26	se.	24	5	6	20	7.3	.5	.0	1
Roseburg	510	45	76	29.57	30.13	+.03	43.0	+1.8	63	22	50	17	1	36	31	41	38	84	4.19	−1.1	17	3.2	nw.	26	se.	24	0	7	24	8.5	T	.0	0
Middle Pacific Coast Region							**49.3**	**+1.8**										**77**	**4.98**	**−0.6**										**7.4**			
Eureka	60	72	88	30.05	30.12	+.02	50.3	+3.4	74	21	57	28	1	44	22	47	43	76	4.08	−3.0	15	6.8	se.	37	sw.	24	6	5	20	7.1	.0	.0	1
Redding [1]	722	20	34	29.38	30.16	------	47.7	------	74	11	55	27	3	40	34	43	36	69	6.40	−.5	13	7.5	nw.	32	s.	24	7	4	20	7.1	.0	.0	1
Sacramento [3]	66	92	115	30.09	30.16	+.04	46.4	+.6	61	26	52	29	4	41	24	44	42	85	4.68	+1.0	13	6.6	n.	35	se.	24	3	8	20	7.8	.0	.0	1
San Francisco	155	112	132	29.96	30.13	+.02	51.2	+1.3	62	21	55	39	3	47	14	48	44	77	4.76	+.2	13	6.7	n.	29	se.	21	7	6	18	6.7	.0	.0	0
South Pacific Coast Region							**54.5**											**68**	**0.71**	**−1.6**										**6.0**			
Fresno [1]	327	5	35	29.80	30.18	+.08	47.3	------	69	25	55	28	3	39	33	45	42	80	1.34	−.4	8	4.1	se.	20	nw.	15	2	5	24	8.3	.0	.0	1
Los Angeles	338	223	250	29.74	30.10	+.02	58.6	+4.0	80	10	68	40	1	49	28	49	39	54	.59	−2.5	3	6.9	ne.	26	e.	21	13	13	5	4.2	T	.0	1
San Diego [1]	87	20	55	30.01	30.10	+.03	57.7	------	80	20	68	36	2	47	33	51	46	69	.21	−1.8	2	4.8	n.	20	sw.	1	11	8	12	5.5	.0	.0	0
West Indies																																	
San Juan, P. R.	82	10	54	29.93	30.02	------	76.7	+1.6	87	22	82	67	31	72	18	----	----	----	6.80	+2.6	21	11.0	e.	34	nw.	23	3	21	7	5.7	.0	.0	2
Panama Canal																																	
Balboa Heights	118	6	92	------	------	------	------	------	----	----	----	----	----	----	----	----	----	----	------	------	----	------	------	----	------	----	----	----	----	----	----	----	----
Cristobal	36	6	97	------	------	------	------	------	----	----	----	----	----	----	----	----	----	----	------	------	----	------	------	----	------	----	----	----	----	----	----	----	----
Alaska																																	
Fairbanks	84	11	87	------	------	------	------	------	----	----	----	----	----	----	----	----	----	----	------	------	----	------	------	----	------	----	----	----	----	----	----	----	----
Juneau	80	96	116	------	29.84	------	38.0	+.6	49	10	43	25	4	33	----	36	34	86	10.55	+3.4	23	8.0	w.	28	se.	12	3	1	27	----	2.5	T	0
Hawaiian Islands																																	
Honolulu	38	86	100	------	------	------	------	------	----	----	----	----	----	----	----	----	----	----	------	------	----	------	------	----	------	----	----	----	----	----	----	----	----

LATE REPORT FOR DECEMBER, 1941

Alaska																																	
Anchorage	132	6	47	29.39	29.54	------	17.8	+4.6	52	31	23	−9	8	12	25	17	15	88	.33	+0.5	6	4.9	n.	36	se.	31	10	1	20	6.8	1.5	T	--
Barrow	13	4	29	------	------	------	------	------	----	----	----	----	----	----	----	----	----	----	------	------	----	------	------	----	------	----	----	----	----	----	----	----	----
Bethel	22	7	33	29.35	29.40	------	12.6	+4.5	39	29	21	−2	119	4	44	13	8	75	.58	−.2	12	------	ne.	----	------	----	3	8	20	7.6	5.9	1.4	--
Fairbanks	484	11	87	29.17	29.75	------	−8.6	−1.5	37	31	0	−44	6	−17	27	−10	−12	88	.18	−.4	5	3.1	n.	17	w.	31	6	7	18	6.8	2.7	11.3	--
Juneau	80	96	116	29.61	29.70	------	29.5	−1.4	46	13	33	15	3	26	17	28	26	85	4.97	−2.6	20	6.3	s.	26	ne.	19	2	2	27	9.0	39.8	9.1	--
Ketchikan	75	69	85	29.69	29.70	------	36.4	+1.3	48	5	41	22	25	32	17	34	32	84	9.35	−6.5	21	6.6	se.	26	se.	12	4	3	24	8.3	3.3	.0	--
Nome	22	25	51	29.46	29.48	------	13.7	+6.2	35	29	20	−18	22	7	32	13	9	82	1.01	−.1	19	13.2	e.	48	ne.	13	4	4	23	8.1	10.4	14.5	--

[1] Data are airport records.
[2] Barometric data (adjusted to old city elevations) and hygrometric data from airport; otherwise city office records.
[3] Observations taken bihourly.
[4] Pressure not reduced to a mean of 24 hours.
[5] Barometric data from airport records, other data from city office records.
[6] Wind, clear, partly cloudy and cloudy data from city office records, other data from airport.

NOTE—Except as indicated by notes 1, 2, 5, and 6, data in table are city office records.

445914—42——2

SEVERE LOCAL STORMS, JANUARY 1942

[Compiled by Mary O. Souder]

[The table herewith contains such data as has been received concerning severe local storms that occurred during the month. A revised list of tornadoes will appear in the United States Meteorological Yearbook]

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks
Conecuh County, Ala., western portion.	1	2-3 p. m.				Wind	Several houses wrecked; 1 person injured.
Ponchatoula, La., vicinity of.	1	2:10 a. m.	880			do	House damaged; much timber ruined.
Theodore, Ala.	1	6:35 a. m.	150-200	1	$15,000	Tornado	Storm moved from south to north over a path 1 mile long; 1 person injured.
Ebro, Fla., vicinity of.	1	12 noon		0		do	A house moved off its foundation and 4 other buildings demolished. 5 persons injured; path narrow and several yards long.
Nebraska	1					Blizzard	This severe storm with heavy snow swept the south-central and eastern portions of the State.
Montgomery and Robertson Counties, Tenn.	1			1	25,000	Tornado	Storm originated southeast of Clarksville and moved eastward into Robertson County. Principal damage destruction of farm buildings and damage to trees. Hail preceded the tornado, but damage was slight.
Wisconsin	1			2		Snowfall	From 10 to 19 inches of snow fell with drifts of from 4 to 5 feet. Most highways blocked with many automobiles stranded in drifts for several days. Interurban bus traffic suspended for several hours and trains delayed. The 2 deaths were due to exposure.
Amite, La.	3	6 a. m.	[1] 1		3,000	Wind	Two residences and several shacks damaged; 1 person injured.
Denham Springs, La., vicinity of, to Montpelier, La.	3	6:15 a. m.	880-2,200	1	3,000	do	Several small houses damaged. A Negro child killed and the mother and 2 brothers injured when a tree fell on their home.
Tennessee	3-4			4		Snow	In addition to the persons killed, several were injured due to slippery roads and highways.
West Virginia	3-4					Snow and sleet	Practically the entire State was covered with from 2 to 9 inches of snow. Sleet in Clarksburg and Weston areas somewhat delayed traffic.
North Head, Wash., and vicinity.	7				5,000	Ice	This storm occurred in the Columbia Basin of southwest Washington with considerable damage to communication and power lines and caused the disorganization of transportation. In some cases the glaze accumulated to the thickness of ¾ of an inch and remained for several days. Amount given, estimated damage for North Head and vicinity only.
Dothan, Ala.	27	11:15-12 noon			2,500	Wind and hail	Principal damage to windows, roofs, and neon signs.
Bristol, Tex., and vicinity [1]	30			7		Tornado	1 person injured; no details.
Longview, Tex.[2]	30					Wind	3 persons injured; several houses damaged.
Tyler, Tex.[2]	30				40,000	Thundersquall	2.75 inches of rain recorded. An oil refinery burned after being struck by lightning.
Bokoshe, Okla.	30	12:50 p. m.	100	0	3,000	Tornado	Telephone and telegraph lines down; several houses damaged; a number of plate glass windows in the business area broken. The funnel cloud did not reach the ground, but remained from 25 to 50 feet above; path 100 yards long.
Dothan, Ala.	31	2:30 a. m.	1,000	0	7,000	Tornado	Storm moved from the southwest to the northeast; 1 person injured; path 6 miles long.

[1] Miles instead of yards. [2] From press reports.

SOLAR RADIATION AND SUNSPOT DATA FOR JANUARY 1942

[Solar Radiation Investigations Section, I. F. HAND in charge]

SOLAR RADIATION OBSERVATIONS

By ELIDIA F. TIMMINS

Measurements of solar radiant energy received at the surface of the earth are made at 9 stations maintained by the Weather Bureau and at 11 cooperating stations maintained by other institutions. The intensity of the total radiation from sun and sky on a horizontal surface is continuously recorded (from sunrise to sunset) at all these stations by self-registering instruments; pyrheliometric measurements of the intensity of direct solar radiation at normal incidence are made at frequent intervals on clear days at three Weather Bureau stations (Madison, Wis., Lincoln, Nebr., and Albuquerque, N. Mex.), and at the Blue Hill Observatory at Harvard University.

The geographic coordinates of the stations, descriptions of the instrumental equipment, station exposures, and methods of observation, together with summaries of the data obtained, up to the end of 1939, are given in the MONTHLY WEATHER REVIEW for December 1937, April 1941, and September 1941.

Table 1 contains the measurements of the intensity of direct solar radiation at normal incidence, with means and their departures from normal (means based on less than 3 values are in prentheses). At Lincoln, Madison, Albuquerque, and Blue Hill the observations are obtained with a recording thermopile, checked by observations with a Smithsonian silver-disk pyrheliometer at Blue Hill. The table also gives vapor pressures at 7:30 a. m. and at 1:30 p. m. (75th meridian time, E. S. T.).

Table 2 contains the daily total amounts of radiation received on a horizontal surface from both sun and sky for all stations except Fairbanks, Alaska; and also the weekly means, their departures from normal and the accumulated departures since the beginning of the year. The values at most of the stations are obtained from the Eppley pyrheliometer recording either on a microammeter or a potentiometer. If the daily figures for total solar and sky radiation at Fairbanks should be desired, they may be obtained approximately 2 months after the date of the observation by writing to the Solar Radiation Investigations Supervisory Station, Blue Hill Observatory, Milton, Mass.

Table 3 gives information about the solar radiation stations which are maintained by, or cooperate with, the Weather Bureau.

Total solar and sky radiation received on a horizontal surface during January was above normal at all stations with the exception of Lincoln, Fairbanks, La Jolla, Riverside, Blue Hill, Newport and Twin Falls; the last-named was exactly normal.

Radiation at normal incidence during January was close to normal at Lincoln and slightly below normal at Madison and Blue Hill.

Early in January an Eppley 10-junction total solar-and-sky-radiation pyrheliometer and a Leeds and Northrup micromax potentiometric recorder were installed at the Airport Office of the Weather Bureau in Nashville; latitude 36°07′ North, longitude 86°41′ West and altitude 602 feet. While Nashville has considerable smoke overhanging the immediate and nearby areas, the addition of this station to our solar network aids materially in rounding out the geographical distribution of pyrheliometric stations.