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, September, 1932

[For description of tables and charts, see REVIEW, January, p. 37]

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	75.0	−0.5	Wetumpka	100	5	2 stations	45	[1] 29	4.78	+1.40	Bay Minette	12.62	Union Springs	0.18
Arizona	75.3	+1.6	Fort Mojave	120	9	Alpine	25	[1] 25	0.59	−0.65	2 stations	2.35	2 stations	0.00
Arkansas	73.8	−0.4	Conway	103	3	Dutton	35	27	2.54	−0.28	Blytheville	7.99	Hope	0.30
California	69.9	+2.6	Greenland Ranch	121	7	Portola	23	26	0.11	−0.34	Tehachapi	4.51	149 stations	0.00
Colorado	58.2	+0.4	3 stations	98	[1] 9	2 stations	15	[1] 10	0.56	−0.84	Calhan	2.26	4 stations	T.
Florida	79.3	−0.1	2 stations	99	[1] 6	Cottage Hill	55	30	6.22	−0.55	Carrabelle	24.99	Zellwood	1.30
Georgia	74.9	−0.5	Millen	103	2	2 stations	44	[1] 16	3.94	+0.20	Brunswick	13.02	Woodbury	0.71
Idaho	58.1	+1.1	Orofino	103	5	Obsidian	16	9	0.15	−0.82	Pete King Ranger Station.	1.59	10 stations	0.00
Illinois	65.8	−1.6	Mount Carmel	97	1	Mount Carroll	28	30	3.05	−0.65	Shawneetown	11.37	Freeport	0.41
Indiana	66.1	−0.9	Madison	103	1	4 stations	34	[1] 24	5.83	+2.59	Bedford	10.16	Whiting	0.98
Iowa	62.2	−1.7	2 stations	94	18	2 stations	27	29	2.05	−1.82	Lake Park (near)	5.34	LeClaire	0.62
Kansas	68.5	−0.8	5 stations	101	[1] 7	Oberlin	35	[1] 20	2.15	−0.72	Holton	6.53	Leoti	0.10
Kentucky	69.5	−0.9	2 stations	103	1	Farmers	34	30	3.66	+0.83	Uniontown	10.16	Willow	0.70
Louisiana	77.7	−0.2	Dodson	103	[1] 1	Robeline	48	[1] 8	4.38	+0.37	Delta Farms	13.22	Ruston	0.12
Maryland-Delaware	68.0	+0.2	College Park, Md	106	1	Oakland, Md	25	30	2.20	−1.03	Pocomoke City, Md	4.98	Picardy, Md	0.20
Michigan	58.8	−1.3	Morenci	97	1	2 stations	20	[1] 20	2.32	−0.91	Chatham	7.27	Lake City	0.49
Minnesota	57.7	−0.3	Beardsley	93	9	do	25	[1] 23	1.05	−1.89	Grand Meadow	2.44	Virginia	0.35
Mississippi	75.0	−0.8	2 stations	100	[1] 5	3 stations	48	[1] 29	6.65	+3.54	Booneville	13.31	Natchez	2.25
Missouri	67.8	−1.2	do	99	[1] 15	Elsberry	33	30	2.36	−1.48	Sikeston	11.06	Seymour	0.24
Montana	55.7	+0.7	Columbus	100	7	Wisdom	13	21	0.32	−1.05	Wyola	1.50	12 stations	0.00
Nebraska	63.3	−0.5	Beaver City	103	7	2 stations	25	[1] 22	1.40	−0.74	Central City	4.48	Benkelman	0.00
Nevada	65.8	+3.3	Logandale	111	[1] 4	Zorra Vista Ranch	25	14	0.25	−0.22	Las Vegas	1.70	6 stations	0.00
New England	61.0	+0.7	Waterbury, Conn	96	2	Somerset, Vt	23	30	5.42	+1.81	Kingston, R. I	12.36	St. Albans, Vt	1.25
New Jersey	66.4	+1.0	Sussex	100	1	Charlotteburg	27	26	2.29	−1.32	Trenton (No. 2)	4.60	Belvidere	0.94
New Mexico	62.9	−1.6	Deming	100	16	Gavilan (near)	21	12	2.57	+0.96	Hope	10.47	Ramah	T.
New York	61.8	+0.7	Addison	103	1	Franklinville	22	25	1.79	−1.62	Bridgehampton	10.09	Ogdensburg	0.37
North Carolina	70.1	−0.8	Nashville	107	1	Banners Elk	31	30	3.37	−0.59	Mount Mitchell	10.07	Durham	0.69
North Dakota	56.8	+0.4	Max	102	8	2 stations	22	[1] 22	0.64	−1.01	Amenia	2.26	2 stations	T.
Ohio	66.0	+0.4	Delaware	104	1	Waverly	27	30	2.80	−0.19	Greenville	6.38	Lock No. 23	0.21
Oklahoma	73.4	−0.7	Smithville	103	3	2 stations	39	2	1.51	−1.77	Chattanooga	5.24	Tishomingo	0.08
Oregon	59.7	+2.1	3 stations	100	[1] 7	Ukiah	12	21	0.09	−1.14	Astoria	1.17	44 stations	0.00
Pennsylvania	65.2	+1.1	2 stations	105	1	2 stations	23	[1] 26	1.45	−2.01	Pleasant Mount	3.43	Selinsgrove	0.48
South Carolina	73.2	−1.2	Society Hill	103	2	Cherokee (near)	44	30	3.22	−0.88	Caesar's Head	8.16	Chappells	0.69
South Dakota	61.3	+0.3	2 stations	100	8	Castlewood	22	29	1.10	−0.68	Castlewood	2.68	Ottumwa	0.00
Tennessee	70.9	−0.5	Kingsport	102	1	Rugby	36	29	4.51	+1.48	Selmer	10.87	Charleston	0.76
Texas	75.1	−2.3	2 stations	106	20	Booker	42	7	5.19	+2.32	Mexia	17.29	Denison (near)	0.07
Utah	61.7	+1.6	St. George	104	6	Woodruff	23	14	0.23	−0.90	Blanding	1.72	10 stations	0.00
Virginia	69.2	+0.7	Lincoln	108	1	2 stations	33	30	2.01	−1.15	Dante	5.64	Dahlgren	0.22
Washington	59.2	+1.3	2 stations	100	[1] 5	Republic	18	21	0.62	−1.32	2 stations	4.11	13 stations	0.00
West Virginia	66.5	+0.4	Moorefield	106	1	Bayard	25	30	1.58	−1.47	Marlinton	4.66	Sharples	0.10
Wisconsin	58.5	−1.3	3 stations	92	[1] 1	Coddington	18	29	1.36	−2.34	Lancaster	3.64	Stoughton	0.04
Wyoming	55.0	+0.9	Basin	97	7	2 stations	14	22	0.39	−0.90	Dome Lake	2.99	8 stations	0.00
Alaska (August)	51.6	−1.5	View Cove	82	[1] 16	Barrow	22	28	4.45	+1.08	Mile Seven (Cordova).	28.48	Haines	0.84
Hawaii	74.6	−0.1	Mahukona	94	[1] 19	Kanalohuluhulu	44	25	3.75	−2.36	Puu Kukui (upper)	18.00	Waikapu	0.08
Puerto Rico	79.6	+1.1	Mayaguez	95	7	Guineo Reservoir	51	9	11.57	+3.53	Maricao	32.10	Ponce	3.65

[1] Other dates also.

TABLE 1.—*Climatological data for Weather Bureau stations, September, 1932*

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							62.2	+1.4										76	4.66	+1.5										4.8		
Eastport	76	67	85	29.95	30.03	0.00	57.5	+1.7	78	3	64	40	30	50	24	53	50	79	2.08	−0.7	9	7,848	s.	33	se.	17	8	7	15	6.6	0.0	0.0
Greenville, Me	1,070	6	----	28.90	30.06	------	57.1	------	80	2	66	34	25	48	31	----	----	----	9.66	------	10	4,236	se.	18	------	9	11	7	12	----	0.0	0.0
Portland, Me	103	82	117	29.93	30.05	.00	62.2	+2.6	86	2	70	39	30	54	28	56	51	74	5.42	+2.3	9	6,648	n.	30	se.	16	17	8	5	3.6	0.0	0.0
Concord	289	70	79	29.75	30.06	.00	60.7	+1.4	87	2	72	34	19	49	38	----	----	----	7.73	+4.3	10	4,111	n.	18	w.	17	17	8	5	4.0	0.0	0.0
Burlington	403	11	48	29.61	30.05	−.01	60.2	−0.1	87	1	70	33	30	51	34	----	----	----	1.87	−1.6	9	6,565	nw.	30	s.	4	10	8	12	5.5	0.0	0.0
Northfield	876	12	60	------	30.08	+.02	56.7	+0.6	91	1	70	29	19	44	41	----	----	81	2.79	−0.3	7	4,969	s.	25	s.	4	5	17	8	5.8	0.0	0.0
Boston	125	106	165	29.92	30.05	−.02	65.2	+2.0	87	6	73	40	30	57	27	58	53	70	4.50	+1.4	6	6,269	nw.	24	ne.	8	15	8	7	4.3	0.0	0.0
Nantucket	12	14	90	30.02	30.03	−.05	64.2	+1.4	80	5	70	47	30	58	19	59	56	81	3.51	+1.1	10	10,782	n.	56	ne.	8	15	4	11	5.1	0.0	0.0
Block Island	26	11	46	30.02	30.05	−.03	63.8	+0.4	80	2	69	41	30	59	15	60	57	82	7.34	+4.7	10	10,264	sw.	51	n.	8	14	9	7	4.6	0.0	0.0
Providence	160	215	251	29.88	30.05	−.02	64.2	+1.0	88	2	73	38	30	56	27	57	52	69	8.48	+5.3	7	8,162	nw.	32	n.	9	16	6	8	3.9	0.0	0.0
Hartford	159	122	----	29.90	30.07	.00	64.4	+2.7	90	2	74	38	30	55	31	----	----	----	3.96	+0.5	6	------	n.	----	------	----	15	8	7	4.2	0.0	0.0
New Haven	106	74	153	29.96	30.07	.00	65.1	+1.6	92	2	74	39	30	56	32	58	54	72	3.55	0.0	8	6,253	n.	30	ne.	8	13	9	8	4.8	0.0	0.0
Middle Atlantic States							68.3	+1.3										70	1.72	−1.5										4.8		
Albany	97	107	115	29.96	30.07	.00	64.0	+0.9	91	1	74	34	30	54	34	7	53	74	1.73	−1.4	7	5,397	s.	24	n.	8	13	14	3	4.0	0.0	0.0
Binghamton	871	60	68	29.16	30.09	+.02	61.8	+0.5	97	1	74	29	26	50	43	----	----	----	1.79	−1.3	7	3,952	ne.	20	sw.	1	9	4	17	6.4	0.0	0.0
New York	314	414	454	29.73	30.06	−.02	67.7	+0.9	92	2	76	41	30	60	24	60	56	72	1.56	−1.8	8	9,569	n.	46	nw.	16	11	15	4	4.7	0.0	0.0
Bellefonte	1,050	5	42	28.98	30.08	------	61.6	------	96	1	76	30	26	47	43	55	50	69	0.62	------	4	------	w.	----	------	----	12	11	7	4.9	0.0	0.0
Harrisburg	374	94	104	29.67	30.07	−.01	68.3	+2.5	98	1	78	41	30	58	33	58	52	63	1.08	−2.0	4	4,977	n.	26	nw.	28	11	13	6	4.3	0.0	0.0
Philadelphia	114	123	367	29.96	30.08	.00	70.8	+2.8	97	1	80	45	30	62	23	60	55	64	1.05	−2.1	6	8,665	n.	40	n.	8	11	11	8	5.0	0.0	0.0
Reading	325	81	103	29.73	30.07	------	68.0	+1.7	96	1	79	41	26	58	35	58	52	63	0.66	−2.6	3	4,397	sw.	21	nw.	28	11	9	10	4.9	0.0	0.0
Scranton	805	72	103	29.25	30.10	+.03	64.0	+1.1	97	1	76	32	30	52	41	55	49	64	1.33	−1.8	6	4,619	n.	22	n.	8	9	18	3	4.7	0.0	0.0
Atlantic City	52	37	172	30.01	30.07	.00	68.2	+1.4	87	6	75	46	30	62	22	62	59	76	1.75	−0.9	8	10,218	s.	41	n.	16	11	8	11	5.4	0.0	0.0
Sandy Hook	22	10	55	30.03	30.05	------	68.2	------	87	2	74	45	30	62	24	61	57	74	2.28	−1.2	7	10,376	sw.	44	ne.	8	12	9	9	4.9	0.0	0.0
Trenton	190	159	183	29.87	30.07	------	67.6	+0.7	93	1	78	41	30	58	30	59	55	71	2.70	−0.7	7	7,107	n.	34	n.	8	12	11	7	4.6	0.0	0.0
Baltimore	123	100	215	29.94	30.07	−.01	71.1	+2.6	96	2	80	47	30	62	24	61	56	63	1.47	−1.9	6	7,102	s.	31	ne.	8	14	9	7	4.3	0.0	0.0
Washington	112	62	85	29.96	30.08	.00	70.3	+2.2	98	1	80	46	30	60	28	61	55	67	4.24	+1.0	8	4,618	s.	21	n.	8	13	14	3	4.0	0.0	0.0
Cape Henry	18	8	54	30.04	30.06	------	71.5	−0.3	91	1	78	49	30	65	24	66	62	75	1.66	−1.2	6	8,885	se.	41	n.	16	14	7	9	4.7	0.0	0.0
Lynchburg	681	153	188	29.35	30.09	+.01	69.8	+0.8	102	1	80	43	30	59	36	61	56	69	2.22	−1.1	10	4,113	nw.	29	ne.	2	14	10	6	4.2	0.0	0.0
Norfolk	91	170	205	29.99	30.08	+.02	72.8	+1.2	96	1	80	55	30	65	23	65	62	75	1.51	−1.7	5	8,124	s.	35	n.	7	11	8	11	5.2	0.0	0.0
Richmond	144	11	52	29.94	30.09	+.02	72.2	+1.7	101	2	83	46	30	61	33	62	58	70	0.75	−2.5	9	5,556	ne.	28	ne.	2	10	12	8	4.6	0.0	0.0
Wytheville	2,304	49	55	27.76	30.09	+.02	64.3	+0.7	93	1	76	39	30	53	38	57	54	74	1.49	−1.8	11	3,720	nw.	19	n.	7	9	14	7	4.9	0.0	0.0
South Atlantic States							73.8	+0.5										76	4.28	+0.1										5.8		
Asheville	2,253	89	104	27.78	30.09	+.02	66.6	+1.6	90	2	77	41	30	56	32	59	55	76	2.21	−0.8	10	5,188	se.	24	se.	20	7	8	15	6.2	0.0	0.0
Charlotte	779	55	62	29.25	30.08	+.01	72.0	+0.5	99	2	81	52	30	63	30	64	59	71	1.96	−1.0	8	3,628	ne.	15	ne.	7	8	8	14	6.1	0.0	0.0
Greensboro	886	6	56	29.15	30.10	------	69.4	------	99	2	79	46	30	60	35	62	59	78	3.83	------	10	5,020	ne.	25	nw.	1	9	10	11	5.4	0.0	0.0
Hatteras	11	5	50	30.03	30.04	−.02	74.6	+0.1	92	1	80	60	30	69	15	69	66	76	4.76	+0.2	7	8,799	ne.	47	n.	7	10	13	7	5.1	0.0	0.0
Raleigh	376	103	146	29.68	30.07	.00	72.2	+1.1	101	1	81	52	30	63	26	62	57	67	2.27	−1.3	9	5,891	ne.	24	w.	1	9	10	11	5.4	0.0	0.0
Wilmington	72	73	106	29.98	30.05	.00	73.9	+0.8	94	1	82	52	30	66	25	68	65	79	5.44	+0.9	11	5,722	ne.	25	n.	7	9	12	9	5.2	0.0	0.0
Charleston	48	11	92	29.98	30.03	−.01	76.4	−0.2	91	2	82	61	30	71	23	70	67	79	7.18	+2.6	10	7,612	ne.	36	ne.	15	6	11	13	6.4	0.0	0.0
Columbia, S. C	351	41	57	29.68	30.06	+.01	74.0	−0.5	96	2	83	55	8	66	30	66	62	73	2.46	−1.0	7	4,638	ne.	21	ne.	7	9	10	11	5.4	0.0	0.0
Greenville, S. C	1,039	139	146	28.93	30.07	------	72.0	+1.4	95	2	80	54	26	64	26	63	53	70	2.79	−0.9	11	5,705	ne.	24	ne.	15	10	9	11	5.4	0.0	0.0
Augusta	182	62	77	29.84	30.03	−.02	76.0	+0.7	97	2	85	56	30	67	32	67	64	75	1.31	−2.0	8	3,941	ne.	19	ne.	15	10	9	11	5.7	0.0	0.0
Savannah	65	150	194	29.97	30.04	+.01	76.2	0.0	93	2	83	59	30	70	28	70	69	83	10.09	+4.7	12	7,476	e.	28	w.	15	6	8	16	6.7	0.0	0.0
Jacksonville	43	209	245	29.94	30.00	.00	78.0	−0.3	92	1	84	65	16	72	23	71	69	80	6.61	−0.7	13	7,061	e.	39	sw.	15	4	14	12	6.5	0.0	0.0
Florida Peninsula							81.8	+1.1										79	5.98	−1.2										5.8		
Key West	22	10	64	29.89	29.91	−.03	83.6	+1.4	92	8	88	74	28	79	14	77	74	76	3.29	−3.4	12	6,903	e.	21	se.	12	5	20	5	5.2	0.0	0.0
Miami	25	124	168	29.91	29.94	−.03	81.8	+1.7	93	7	87	72	11	77	19	75	73	76	8.92	+0.6	16	6,603	e.	24	ne.	27	1	15	14	6.9	0.0	0.0
Tampa	35	88	197	29.92	29.95	−.02	80.0	+0.1	92	5	88	67	16	72	20	74	72	84	5.74	−0.7	11	7,905	e.	33	se.	10	3	16	11	6.5	0.0	0.0
Titusville	44	5	----	29.91	29.96	------	79.8	------	91	22	86	66	16	74	25	----	----	----	5.89	------	10	------	se.	----	------	----	11	14	5	4.8	0.0	0.0
East Gulf States							75.6	−0.1										79	6.91	+2.7										5.8		
Atlanta	1,173	190	198	28.83	30.05	.00	71.8	−0.6	92	3	80	53	29	64	25	64	60	72	3.52	+0.5	10	6,456	e.	24	se.	19	8	11	11	5.8	0.0	0.0
Macon	370	76	84	29.64	30.03	.00	75.0	+0.2	94	5	84	59	8	66	30	67	64	76	2.57	−0.6	11	4,705	ne.	21	s.	20	8	5	17	6.3	0.0	0.0
Thomasville	273	49	103	29.70	29.99	−.02	77.0	+0.2	94	3	85	64	30	69	25	70	69	86	7.39	+2.5	14	5,311	e.	23	se.	19	5	9	16	6.7	0.0	0.0
Apalachicola	36	11	51	29.92	29.96	------	78.9	------	96	6	84	69	15	74	20	74	72	82	20.93	+12.8	11	7,508	e.	35	ne.	14	8	9	13	6.0	0.0	0.0
Pensacola	56	149	185	29.91	29.97	−.02	77.5	−0.5	92	4	83	60	30	72	20	73	72	85	5.22	−0.1	11	9,803	n.	62	s.	1	9	10	11	5.8	0.0	0.0
Anniston	741	9	57	------	------	------	73.2	+1.9	92	5	83	49	30	63	30	----	----	----	3.17	------	8	------	se.	----	------	----	5	11	14	----	0.0	0.0
Birmingham	700	11	48	29.27	30.03	.00	73.8	−1.0	93	18	83	52	30	64	28	66	63	78	5.12	+1.7	9	5,108	n.	29	se.	20	10	9	11	5.6	0.0	0.0
Mobile	57	125	161	29.90	29.96	−.04	77.6	−0.5	94	5	85	58	30	70	25	71	69	82	10.76	+5.8	9	7,456	n.	52	e.	1	10	9	11	5.8	0.0	0.0
Montgomery	223	100	112	29.77	30.02	.00	76.8	+0.5	95	5	85	57	30	68	26	68	64	74	2.97	0.0	8	5,335	e.	21	sw.	3	8	10	12	5.9	0.0	0.0
Corinth	469	6	----	------	------	------	73.7	------	95	4	84	48	29	63	32	----	----	----	8.90	------	7	------	se.	----	------	----	8	17	5	----	0.0	0.0
Meridian	375	87	95	29.60	29.99	−.03	74.3	−0.2	93	4	83	52	30	66	26	67	65	79	5.65	+2.7	10	4,658	ne.	26	ne.	1	9	11	10	5.2	0.0	0.0
Vicksburg	247	65	73	29.74	29.99	−.03	75.3	−1.0	92	5	84	55	30	67	24	67	64	77	5.78	+2.9	7	4,716	n.	22	e.	19	7	13	10	5.9	0.0	0.0
New Orleans	53	76	84	29.90	29.95	−.03	79.4	+0.2	95	5	86	64	30	73	19	72	69	76	6.14	+1.1	11	5,626	ne.	24	se.	19	11	7	12	5.3	0.0	0.0
West Gulf States							76.9	−0.1										74	5.79	+2.1										5.3		
Shreveport	249	92	227	29.73	29.99	−.01	77.8	+0.9	98	2	88	57	8	68	27	67	62	67	0.61	−2.2	4	6,626	ne.	34	ne.	15	14	7	9	4.9	0.0	0.0
Bentonville	1,303	11	44	28.67	30.02	.00	70.6	+1.7	93	15	83	43	28	58	33	----	----	----	2.04	------	7	3,723	ne.	18	n.	15	13	10	7	----	0.0	0.0
Fort Smith	457	79	94	29.55	30.02	+.01	75.3	+1.3	97	3	86	55	28	64	27	64	59	65	0.75	−2.2	8	4,734	e.	32	nw.	21	7	18	5	5.5	0.0	0.0
Little Rock	357	136	153	29.66	30.03	.00	74.4	+0.3	94	3	84	55	29	65	30	64	60	67	2.65	−0.5	12	5,387	ne.	31	nw.	17	7	12	11	6.0	0.0	0.0
Austin	605	136	148	29.34	29.97	------	77.3	−1.0	94	20	86	60	30	69	26	69	66	7	5.36	+2.0	10	4,712	ne.	19	se.	1	11	6	13	5.7	0.0	0.0
Brownsville	57	83	100	29.84	29.90	------	80.4	−0.2	96	19	88	68	9	73	23	74	72	84	9.88	+4.4	16	5,536	n.	19	n.	6	12	12	6	4.6	0.0	0.0
Corpus Christi	20	11	78	29.92	29.94	−.01	80.0	+0.3	92	12	86	68	9	74	21	74	72	81	7.53	+3.0	9	6,931	ne.	25	ne.	29	10	9	11	5.8	0.0	0.0
Dallas	512	220	227	29.46	30.00	------	75.8	------	93	17	83	59	25	68	23	----	----	----	6.62	+3.9	7	6,426	ne.	40	ne.	15	11	6	13	4.9	0.0	0.0
Fort Worth	670	106	114	29.30	30.00	−.01	76.0	−0.9	94	15	84	60	25	68	27	67	63	70	10.80	+8.3	6	4,920	ne.	26	se.	6	10	2	18	6.2	0.0	0.0
Galveston	54	106	114	29.89	29.95	−.03	80.0	−0.1	93	1	85	68	30	75	20	73	70	77	5.47	−0.1	8	6,439	ne.	27	ne.	7	13	8	9	4.7	0.0	0.0
Houston	138	292	314	29.82	29.96	------	77.9	−1.1	96	1	85	58	30	70	23	----	----	----	2.64	−1.4	11	7,126	ne.	24	se.	4	13	10	7	4.6	0.0	0.0
Palestine	510	64	72	29.48	30.00	+.01	76.4	−0.6	97	2	85	57	30	68	24	68	65	75	7.49	+4.6	9	4,478	ne.	19	se.	3	11	6	13	5.8	0.0	0.0
Port Arthur	34	58	66	29.91	29.95	------	79.2	------	97	1	87	60	8	71	25	71	69	78	2.59	−2.2	6	5,816	e.	24	ne.	19	10	15	5	4.5	0.0	0.0
San Antonio	693	242	301	29.24	29.95	−.01	77.3	−1.7	98	20	85	62	30	69	26	69	66	75	8.77	+5.7	12	7,304	ne.	30	ne.	6	10	9	11	5.7	0.0	0.0
Taylor	571	38	51	29.40	30.00	+.03	76.2	−0.7	94	1	85	58	30	68	26	----	----	----	9.86	+6.5	13	4,463	n.	24	n.	3	13	9	8	4.7	0.0	0.0

TABLE 1.—*Climatological data for Weather Bureau stations, September, 1932*—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							**69.1**	**+0.4**										**70**	**3.71**	**+0.7**										**4.9**		
Chattanooga	762	190	215	29.26	30.06	0.00	72.7	+0.5	91	18	81	54	30	64	30	63	58	66	1.43	−1.7	9	5,281	ne.	29	se.	20	7	12	11	5.7	0.0	0.0
Knoxville	995	79	97	29.02	30.06	.00	72.0	+1.4	96	2	82	49	30	62	35	62	58	69	3.67	+1.0	8	4,183	ne.	24	sw.	3	12	9	9	4.9	0.0	0.0
Memphis	399	78	86	29.61	30.03	.00	73.4	−0.2	91	18	81	55	29	66	25	66	63	76	5.66	+2.9	8	4,628	e.	20	n.	27	9	9	12	5.6	0.0	0.0
Nashville	546	168	191	29.50	30.08	+.02	72.0	+0.2	91	18	81	47	29	63	31	63	58	70	4.32	+0.9	9	6,433	nw.	32	se.	20	11	7	12	5.4	0.0	0.0
Lexington	989	193	230	29.04	30.10	+.03	69.0	+0.5	99	1	78	46	25	60	32	----	----	----	2.76	−0.3	7	7,805	se.	35	s.	3	18	5	7	3.9	0.0	0.0
Louisville	525	188	234	29.51	30.09	+.03	69.6	−0.9	97	1	78	48	24	61	30	61	57	72	3.01	+0.2	8	6,657	n.	32	s.	2	11	10	9	5.4	0.0	0.0
Evansville	431	76	116	29.60	30.07	+.01	70.1	−0.6	95	1	79	49	30	61	28	62	58	73	7.34	+4.0	8	5,826	n.	25	se.	1	11	11	8	4.8	0.0	0.0
Indianapolis	822	194	230	29.21	30.09	+.03	66.7	−0.2	91	1	76	46	28	58	24	58	53	68	7.18	+3.8	8	7,269	ne.	37	nw.	18	13	8	9	4.7	0.0	0.0
Terre Haute	575	96	129	29.47	30.08	------	67.2	------	90	1	77	45	25	57	28	59	55	73	6.74	+3.1	7	6,165	n.	27	se.	2	15	6	9	4.2	0.0	0.0
Cincinnati	627	11	51	29.42	30.09	+.02	67.7	+0.6	96	1	78	43	30	57	32	59	56	74	4.88	+2.2	7	4,732	ne.	27	s.	2	12	10	8	4.6	0.0	0.0
Columbus	822	216	230	29.22	30.09	+.02	67.8	+1.3	99	1	78	43	30	58	29	58	52	64	1.52	−1.0	9	6,713	ne.	31	s.	3	17	6	7	4.2	0.0	0.0
Dayton	899	137	173	29.14	30.08	------	67.4	+0.8	98	1	77	44	30	58	33	58	53	68	3.78	+0.9	7	5,648	ne.	26	sw.	27	11	12	7	4.9	0.0	0.0
Elkins	1,947	59	67	28.10	30.14	+.06	62.2	−0.8	94	1	76	33	30	49	39	55	53	83	1.86	−1.3	7	3,037	nw.	18	nw.	17	9	14	7	5.6	0.0	0.0
Parkersburg	637	77	82	29.46	30.11	+.03	69.1	+1.8	98	1	80	38	30	58	34	58	53	67	0.94	−1.8	5	3,902	se.	24	se.	2	14	10	6	4.8	0.0	0.0
Pittsburgh	842	353	410	29.20	30.09	+.01	67.8	+1.4	95	1	78	40	30	57	32	57	51	61	0.59	−2.0	8	6,234	nw.	28	sw.	4	10	12	8	4.9	0.0	0.0
Lower Lake Region							**63.9**	**+1.0**										**69**	**2.44**	**−0.5**										**4.8**		
Buffalo	767	243	280	29.24	30.07	+.01	63.6	+1.2	83	3	72	42	30	56	30	56	52	69	1.67	−1.2	8	9,508	nw.	50	sw.	4	13	11	6	4.6	0.0	0.0
Canton	448	10	61	29.57	30.04	------	59.4	+0.1	91	1	71	30	30	48	35	----	----	----	1.03	−2.3	8	5,312	sw.	32	sw.	4	10	13	7	5.0	T.	0.0
Ithaca	836	74	100	29.18	30.08	------	62.6	+1.0	99	1	74	33	30	51	44	55	50	70	1.17	−1.9	11	6,657	nw.	29	s.	4	10	7	13	5.7	0.0	0.0
Oswego	335	71	85	29.69	30.06	.00	62.8	+1.6	87	1	70	37	30	55	33	56	51	69	2.47	−0.2	10	6,711	s.	27	nw.	29	9	11	10	5.5	0.0	0.0
Rochester	523	86	102	29.51	30.08	+.02	63.6	+1.2	92	1	73	36	30	54	33	55	49	63	1.47	−1.0	11	5,612	nw.	26	sw.	4	13	10	7	4.5	0.0	0.0
Syracuse	596	65	79	29.44	30.08	+.01	63.6	+1.9	94	1	73	37	30	54	33	----	----	----	1.12	−1.6	9	5,055	s.	25	nw.	29	9	11	10	5.6	0.0	0.0
Erie	714	130	166	29.31	30.08	+.02	65.4	+1.8	89	3	73	43	30	58	26	59	56	74	2.29	−1.1	13	8,805	n.	36	sw.	4	12	13	5	4.5	0.0	0.0
Cleveland	762	267	337	29.27	30.09	+.03	66.2	+2.3	89	19	73	47	30	60	27	57	51	62	1.45	−1.9	8	9,263	n.	33	s.	4	13	10	7	4.5	0.0	0.0
Sandusky	629	5	67	29.42	30.10	+.04	66.4	+1.1	92	19	75	42	30	57	32	----	----	----	2.18	−0.8	7	5,973	sw.	21	w.	4	14	8	8	4.6	0.0	0.0
Toledo	628	79	87	29.42	30.10	+.04	64.5	+0.1	88	19	73	43	25	56	26	57	53	72	4.63	+1.8	7	5,975	nw.	22	sw.	13	19	4	7	3.5	0.0	0.0
Fort Wayne	856	100	119	29.18	30.10	------	64.0	−1.5	86	19	74	42	30	54	29	56	52	71	5.70	+2.6	8	5,964	n.	24	w.	4	16	6	8	4.5	0.0	0.0
Detroit	730	218	258	29.32	30.11	+.05	64.8	+1.3	86	19	73	46	29	57	24	57	53	71	4.05	+1.2	7	6,732	nw.	27	sw.	20	13	10	7	4.5	0.0	0.0
Upper Lake Region							**60.2**	**+0.6**										**68**	**1.73**	**−1.6**										**4.1**		
Alpena	609	13	89	29.42	30.08	+.05	57.8	+0.2	89	19	69	36	25	47	33	53	49	76	1.94	−1.0	10	7,821	nw.	47	se.	19	13	12	5	4.0	0.0	0.0
Escanaba	612	54	60	29.41	30.08	+.07	57.7	+0.6	81	8	67	38	29	48	28	52	49	76	1.34	−2.0	8	6,504	nw.	25	s.	18	15	11	4	3.8	0.0	0.0
Grand Haven	632	54	89	29.41	30.08	+.04	60.5	−0.4	83	12	70	37	25	51	33	55	51	73	0.95	−2.7	7	6,639	nw.	27	nw.	17	13	10	7	4.5	0.0	0.0
Grand Rapids	707	70	244	29.32	30.09	+.04	62.8	+0.1	89	19	73	39	25	53	30	54	49	68	0.91	−2.6	7	7,316	n.	37	sw.	19	9	13	8	4.9	0.0	0.0
Houghton	668	64	99	29.31	30.04	+.04	58.9	+2.0	84	2	67	41	24	51	28	----	----	----	2.58	−1.0	15	7,030	w.	34	w.	15	12	11	7	4.4	1.0	0.0
Lansing	878	6	88	29.16	30.10	------	60.0	−1.4	85	19	70	35	25	50	30	55	53	83	3.04	+0.1	7	5,644	nw.	22	e.	3	10	12	8	4.8	0.0	0.0
Ludington	637	60	66	29.39	30.08	------	60.4	+1.1	82	12	68	39	25	53	30	55	51	73	0.73	−2.5	10	6,748	n.	26	sw.	20	19	10	1	2.9	0.0	0.0
Marquette	734	77	111	29.24	30.05	+.05	60.3	+2.8	84	8	69	41	29	52	28	52	48	71	1.86	−1.4	16	7,760	w.	27	sw.	15	11	12	7	4.7	0.0	0.0
Port Huron	638	79	120	29.39	30.08	+.02	61.6	0.0	84	19	70	38	29	54	28	56	52	76	4.19	+1.4	10	7,239	nw.	30	nw.	17	12	13	5	4.2	0.0	0.0
Sault Sainte Marie	614	11	52	29.37	30.06	+.04	57.8	+2.3	80	11	66	38	25	49	29	52	49	78	2.83	−1.4	16	5,887	nw.	32	nw.	28	12	13	5	4.3	0.0	0.0
Chicago	673	7	131	29.38	30.11	+.07	64.4	−0.8	87	19	72	44	28	57	27	57	53	71	1.12	−2.0	5	7,087	ne.	24	s.	19	15	9	6	3.8	0.0	0.0
Green Bay	617	109	141	29.41	30.07	+.05	60.6	+0.2	89	19	72	36	29	50	33	52	46	66	1.21	−2.3	7	7,024	nw.	33	sw.	19	17	8	5	3.8	0.0	0.0
Milwaukee	681	97	221	29.36	30.09	+.06	63.1	+0.6	88	19	70	45	29	56	26	55	49	66	0.90	−2.4	4	8,312	n.	32	s.	18	19	6	5	3.2	0.0	0.0
Duluth	1,133	5	47	28.82	30.04	+.06	56.7	+1.6	83	2	67	36	17	46	30	49	45	74	0.68	−2.6	5	8,576	w.	32	nw.	14	15	9	6	3.9	0.0	0.0
North Dakota							**57.7**	**+0.5**										**58**	**0.79**	**−0.9**										**4.0**		
Moorhead	940	50	58	29.01	30.03	+.07	58.8	+0.6	87	8	71	36	17	47	40	49	41	60	1.93	−0.3	7	5,720	s.	24	se.	18	15	5	10	4.4	0.0	0.0
Bismarck	1,674	8	57	28.24	30.02	+.08	58.4	+0.3	94	8	73	30	22	44	46	47	38	55	0.33	−0.9	5	5,884	nw.	28	n.	14	16	9	5	3.6	0.0	0.0
Devils Lake	1,478	11	44	28.44	30.01	+.07	56.3	+0.4	89	8	70	31	17	43	40	46	38	60	0.68	−1.0	4	6,211	nw.	25	nw.	14	13	8	9	4.4	0.0	0.0
Ellendale	1,457	10	56	28.48	30.05	------	57.2	------	90	8	72	32	27	42	44	----	----	----	0.70	−1.3	4	8,419	nw.	31	nw.	26	13	10	7	4.4	0.0	0.0
Grand Forks	833	12	67	------	------	------	58.0	------	87	8	71	33	27	45	38	48	----	----	1.08	------	4	------	se.	36	se.	24	12	11	7	----	0.0	0.0
Williston	1,878	41	48	28.03	30.00	+.07	57.3	+0.7	93	8	71	32	29	43	43	46	37	55	0.33	−0.8	4	5,279	nw.	32	w.	18	20	6	4	3.3	0.0	0.0
Upper Mississippi Valley							**64.2**	**−1.0**										**70**	**1.72**	**−1.9**										**3.6**		
Minneapolis	918	102	208	29.05	30.03	------	61.8	+0.4	85	30	72	41	29	51	37	----	----	----	0.85	−2.3	6	7,391	s.	34	se.	18	16	8	6	3.8	0.0	0.0
St. Paul	837	114	149	29.17	30.07	+.08	61.0	−0.3	83	30	73	36	29	49	39	----	----	----	0.72	−2.4	6	6,119	sw.	25	n.	3	18	8	4	3.3	0.0	0.0
La Crosse	714	11	48	29.31	30.08	+.07	59.2	−3.0	84	19	72	34	29	46	40	52	49	78	1.32	−2.7	5	3,182	s.	15	s.	19	20	5	5	3.1	0.0	0.0
Madison	974	70	78	29.05	30.09	+.06	61.9	−0.5	86	19	71	42	25	53	29	53	47	64	0.18	−3.5	6	5,525	nw.	24	sw.	19	18	9	3	3.0	0.0	0.0
Wausau	1,247	4	62	28.76	30.10	------	58.0	------	85	10	71	33	24	45	39	----	----	----	1.92	−1.8	7	4,463	w.	24	sw.	19	16	7	7	3.9	0.0	0.0
Charles City	1,015	10	51	29.03	30.11	+.11	59.8	−1.2	83	3	73	33	29	47	38	52	48	74	1.85	−1.8	5	4,169	se.	19	se.	18	22	4	4	2.5	0.0	0.0
Davenport	606	118	143	29.44	30.10	+.07	65.0	−0.6	87	19	76	42	29	54	30	55	49	64	0.77	−2.8	5	5,336	e.	31	s.	18	15	10	5	3.4	0.0	0.0
Des Moines	861	5	99	29.18	30.09	+.07	63.2	−2.4	89	18	75	40	29	51	38	55	51	72	2.11	−1.6	6	5,570	n.	27	s.	19	17	7	6	3.4	0.0	0.0
Dubuque	700	81	96	29.35	30.10	+.07	61.9	−2.1	86	19	73	38	30	51	36	53	48	67	1.71	−2.3	4	4,114	nw.	17	sw.	19	18	5	7	3.2	0.0	0.0
Keokuk	614	64	78	29.44	30.11	+.08	66.2	−1.3	86	19	77	42	30	56	30	56	51	65	1.43	−2.4	4	4,639	n.	24	s.	18	14	13	3	3.4	0.0	0.0
Cairo	358	87	93	29.67	30.05	.00	70.2	−1.3	90	1	78	52	29	62	25	64	61	79	5.67	+2.8	9	5,306	n.	23	ne.	1	8	10	12	5.9	0.0	0.0
Peoria	609	11	45	29.45	30.12	+.08	64.8	+0.5	90	10	77	36	30	52	37	56	52	72	1.78	−2.2	7	3,926	n.	16	s.	19	18	5	7	3.2	0.0	0.0
Springfield, Ill.	636	5	191	29.41	30.08	+.03	67.5	−0.1	90	15	78	45	28	57	30	58	53	69	1.13	−2.5	6	6,572	n.	35	s.	12	16	9	5	4.0	0.0	0.0
Hannibal	534	74	109	29.52	30.09	+.06	66.5	−1.2	86	15	77	42	30	56	30	----	----	----	2.21	−1.8	5	5,059	n.	27	w.	12	16	8	6	3.8	0.0	0.0
St. Louis	568	265	303	29.47	30.07	+.03	69.6	−0.5	90	15	78	50	25	61	24	60	54	65	2.15	−1.3	10	6,665	ne.	38	s.	19	16	9	5	3.9	0.0	0.0
Missouri Valley							**65.9**	**−0.2**										**60**	**1.59**	**−1.6**										**3.2**		
Columbia, Mo.	784	6	84	29.25	30.08	+.05	67.1	−1.1	91	18	78	41	30	56	34	----	----	----	2.15	−2.2	6	4,843	n.	24	w.	12	14	11	5	3.8	0.0	0.0
Kansas City	963	10	86	29.06	30.08	+.06	69.0	+0.1	94	18	78	50	29	60	27	58	51	59	1.36	−3.2	7	6,202	e.	34	nw.	21	18	7	5	3.7	0.0	0.0
St. Joseph	967	11	49	29.04	30.07	------	66.8	------	94	18	79	45	29	55	34	57	51	64	2.67	−1.2	7	5,172	se.	32	nw.	18	19	8	3	3.0	0.0	0.0
Springfield, Mo.	1,324	98	104	28.68	30.06	+.03	69.6	+0.7	90	18	80	46	28	59	28	59	52	63	0.55	−3.0	5	6,139	ne.	24	sw.	15	20	8	2	2.9	0.0	0.0
Iola	984	11	50	28.99	30.05	+.04	72.2	+2.4	96	18	86	44	28	58	42	----	----	----	2.31	−2.6	8	------	n.	----	----	----	15	9	6	----	0.0	0.0
Topeka	987	92	107	------	------	------	68.0	−0.7	95	18	79	47	23	57	31	----	----	----	1.89	−1.9	6	5,510	s.	32	ne.	21	16	7	7	3.8	0.0	0.0
Lincoln	1,189	11	81	28.81	30.06	+.07	65.2	−1.2	94	18	78	42	29	53	33	56	50	68	1.83	−1.2	8	5,948	s.	32	s.	19	18	7	5	3.4	0.0	0.0
Omaha	1,105	115	122	28.91	30.08	+.08	65.4	−1.4	94	18	76	42	29	54	32	55	49	63	1.98	−1.2	6	4,892	s.	21	n.	3	20	5	5	3.1	0.0	0.0
Valentine	2,598	47	54	27.37	30.07	+.11	62.1	−0.4	93	8	77	30	27	47	43	49	40	52	0.16	−1.1	3	6,408	n.	28	n.	3	20	8	2	2.7	0.0	0.0
Sioux City	1,135	94	164	28.86	30.06	+.08	63.0	−0.4	91	18	74	35	29	52	33	54	47	64	2.30	−0.7	5	6,855	s.	27	sw.	18	19	5	6	2.8	0.0	0.0
Huron	1,306	59	74	28.67	30.06	+.10	61.6	+0.3	91	14	75	33	29	48	39	50	42	56	1.28	−0.3	5	6,528	se.	26	nw.	3	19	7	4	3.0	0.0	0.0
Pierre	1,572	70	75	28.37	30.02	+.07	64.3	+0.5	95	8	78	34	27	50	41	51	40	50	0.79	−0.3	4	5,988	nw.	27	nw.	9	19	8	3	3.1	0.0	0.0
Yankton	1,233	49	57	28.76	30.07	+.09	63.2	−0.8	90	18	76	35	29	51	38	----	----	----	1.45	−1.3	4	5,088	n.	21	n.	3	19	6	5	3.2	0.0	0.0

TABLE 1.—*Climatological data for Weather Bureau stations, September, 1932*—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.
Northern Slope							58.3	+1.0										53	0.44	−0.8										3.5		
Billings	3,140	5					58.8		95	8	78	30	21	39	54				1.30		4		nw.				14	9	7		0.0	0.0
Havre	2,505	11	67	27.40	30.02	+0.08	57.4	+1.0	92	6	73	28	26	42	47	46	36	55	0.38	−0.9	2	6,177	w.	37	nw.	8	14	11	5	4.0	0.0	0.0
Helena	4,124	89	113	25.88	30.04	+.07	58.4	+1.8	87	6	72	31	22	45	37	46	35	46	T.	−1.2	0	6,522	sw.	32	w.	8	13	14	3	4.0	T.	0.0
Kalispell	2,973	48	56	27.02	30.06	+.10	54.8	+1.3	84	6	70	29	21	40	38	46	38	60	0.15	−1.1	4	4,716	nw.	31	w.	8	18	8	4	3.3	0.0	0.0
Miles City	2,371	48	55	27.53	30.07	+.12	60.0	−1.2	97	8	74	34	22	46	45	48	40	55	0.16	−0.9	3	3,886	s.	33	nw.	8	17	9	4	3.5	0.0	0.0
Rapid City	3,259	50	58	26.68	30.07	+.11	61.0	+0.6	92	8	75	37	27	47	40	48	38	48	0.25	−1.0	4	5,635	w.	35	nw.	8	19	7	4	3.0	0.0	0.0
Cheyenne	6,088	84	101	24.13	30.02	+.06	58.2	+1.2	83	7	72	36	21	45	39	45	33	48	1.13	−0.1	2	7,212	s.	32	w.	18	18	9	3	3.0	0.0	0.0
Lander	5,372	60	68	24.74	30.03	+.07	59.1	+3.4	89	6	76	34	25	42	46	44	31	43	T.	−0.9	0	3,597	sw.	36	nw.	2	20	9	1	2.7	0.0	0.0
Sheridan	3,790	10	47	26.18	30.07		57.1		94	8	74	32	22	40	52	46	39	63	1.15	−0.1	7	3,264	nw.	32	nw.	8	19	8	3	3.0	0.0	0.0
Yellowstone Park	6,241	11	48	24.02	30.10	+.13	52.3	−1.1	80	6	68	27	21	37	40	40	30	51	0.47	−0.8	4	5,305	sw.	29	sw.	8	13	11	6	4.6	T.	0.0
North Platte	2,821	11	51	27.15	30.05	+.08	63.8	+1.7	95	18	78	35	27	50	42	53	46	62	0.71	−0.6	3	4,584	s.	20	ne.	19	17	8	5	3.6	0.0	0.0
Middle Slope							68.2	+0.1										59	1.20	−0.9										3.6		
Denver	5,292	106	113	24.83	30.02	+.06	63.6	+0.7	87	4	76	42	27	51	34	48	35	43	0.11	−0.9	1	5,095	s.	21	n.	21	17	10	3	3.0	0.0	0.0
Pueblo	4,685	80	86	25.38	30.02	+.06	65.1	+0.5	91	8	79	43	26	51	39	51	40	48	0.23	−0.5	3	4,980	e.	22	nw.	18	19	8	3	3.0	0.0	0.0
Concordia	1,392	50	58	28.63	30.09	+.10	66.6	−1.7	93	18	78	44	24	55	33	57	52	69	2.02	−0.6	5	4,797	sw.	32	sw.	18	18	8	4	3.6	0.0	0.0
Dodge City	2,509	10	86	27.48	30.05	+.07	68.8	−0.6	95	18	82	45	27	56	37	57	52	65	2.35	+0.4	7	7,780	s.	32	sw.	18	16	7	7	3.6	0.0	0.0
Wichita	1,358	85	93	28.63	30.04	+.04	71.5	+0.9	95	5	83	50	23	60	33	59	52	58	1.26	−1.8	7	7,074	ne.	36	sw.	18	16	6	8	4.5	0.0	0.0
Oklahoma City	1,214	10	47	28.76	30.02	+.03	73.4	+0.6	95	21	84	48	28	63	29	64	59	69	1.20	−1.8	6	5,170	s.	24	sw.	21	16	7	7	3.6	0.0	0.0
Southern Slope							70.8	−2.8										76	7.06	+4.6										5.4		
Abilene	1,738	10	52	28.23	30.02	+.06	71.4	−3.9	95	20	80	58	29	63	28	65	62	81	10.53	+7.8	8	4,820	s.	21	sw.	21	11	2	17	5.9	0.0	0.0
Amarillo	3,676	10	49	26.35	30.03	+.07	68.9	−0.4	97	19	80	48	28	58	34	58	52	66	2.79	+0.5	8	6,281	se.	26	se.	21	15	8	7	4.6	0.0	0.0
Big Spring	2,537	5	62	27.43	30.02		69.2		94	19	77	55	29	62	30	63	61	84	4.47		11		se.				11	1	18	6.0	0.0	0.0
Del Rio	944	64	71	28.96	29.93	−.01	75.2	−4.0	98	20	82	61	30	68	29	68	66	80	9.95	+7.0	16	4,696	se.	21	n.	1	9	3	18	6.2	0.0	0.0
Roswell	3,566	75	85	26.43	30.00	+.08	67.6	−2.7	91	15	79	48	29	56	38	58	52	68	4.98	+2.9	10	4,853	s.	32	n.	14	13	11	6	4.5	0.0	0.0
Southern Plateau							73.2	+2.4										46	1.27	+0.5										2.3		
El Paso	3,778	152	175	26.20	29.91	+.03	73.9	0.0	98	16	85	49	30	62	33	58	48	50	2.85	+1.6	4	6,354	e.	34	sw.	25	19	6	5	2.9	0.0	0.0
Albuquerque	4,972	51	66	25.12	29.92		66.6		91	15	81	45	12	52	44	50	40	47	0.78		5	3,758	ne.	20	se.	24	20	4	6	2.9	0.0	0.0
Santa Fe	7,013	38	53	23.37	29.95	+.02	60.7	−0.2	82	4	73	42	28	48	37	46	35	49	1.97	+0.5	6	3,970	e.	24	ne.	1	15	8	7	3.9	0.0	0.0
Flagstaff	6,907	10	59	23.45	29.92	+.03	57.9	+2.4	85	9	76	34	27	40	47	44		51	1.53		5	4,824	nw.	24	nw.	21	14	11	5		0.0	0.0
Phoenix	1,108	10	107	28.66	29.78	−.03	87.0	+4.3	110	4	102	65	24	72	40	63	47	30	0.34	−0.4	3	4,582	e.	35	sw.	28	26	3	1	1.2	0.0	0.0
Yuma	141	9	54	29.62	29.76	−.02	86.9	+3.2	113	4	103	61	19	71	45	69	60	47	0.03	−0.3	1	3,438	sw.	19	e.	29	29	1	0	0.4	0.0	0.0
Independence	3,957	6	27	26.00	29.95	+.09	72.8	+4.8	98	8	90	48	25	56	43	50			1.17	+1.1	3		nw.	18	w.	25	21	4	5		0.0	0.0
Middle Plateau							65.3	+3.4										34	0.18	−0.5										1.7		
Reno	4,532	74	81	25.52	29.94	−.01	66.5	+6.8	93	7	85	38	26	48	44	48	32	35	0.04	−0.2	2	4,430	sw.	34	nw.	25	26	4	0	1.1	0.0	0.0
Tonopah	6,090	12	20				68.4		89	15	80	43	28	57	27	48	28	27	0.40		4		nw.									
Winnemucca	4,344	18	56	25.68	30.02	+.09	63.8	+4.6	94	5	84	35	20	44	54	46	29	34	0.01	−0.4	1	5,159	ne.	19	nw.	18	26	3	1	1.1	0.0	0.0
Modena	5,473	10	46	24.68	29.95	+.03	62.0	+2.0	89	6	80	36	10	44	48	45	29	36	0.76	0.0	7	5,884	w.	25	nw.	17	20	3	7	2.7	0.0	0.0
Salt Lake City	4,360	163	203	25.69	29.99	+.04	66.8	+2.4	92	6	79	48	20	54	34	50	34	33	T.	−1.0	0	4,723	se.	29	sw.	6	24	5	1	1.7	0.0	0.0
Grand Junction	4,602	60	68	25.44	29.98	+.03	67.2	+1.0	89	12	82	46	25	52	36	50	35	37	0.11	−0.8	2	4,330	se.	18	w.	19	24	4	2	1.8	0.0	0.0
Northern Plateau							63.0	+2.3										41	0.03	−0.7										2.4		
Baker	3,471	48	53	26.54	30.11	+.12	57.6	+1.6	90	5	75	25	21	40	47	45	34	44	0.02	−0.7	1	4,675	se.	17	n.	8	19	10	1	2.4	0.0	0.0
Boise	2,739	79	87	27.22	30.05	+.08	64.1	+2.2	94	7	80	37	19	48	40	50	36	41	0.02	−0.5	1	3.405	nw.	18	nw.	8	21	6	3	2.5	0.0	0.0
Lewiston	757	40	48	29.28	30.08	+.10	64.2	+1.4	97	5	82	36	21	47	48				0.07	−0.9	1	2,485	w.	26	nw.	17	21	6	3	2.4	0.0	0.0
Pocatello	4,477	60	68	25.56	30.04	+.08	62.6	+2.4	91	6	78	38	9	47	39	47	32	38	T.	−0.8	0	5,887	se.	32	sw.	8	21	5	4	2.8	0.0	0.0
Spokane	1,929	101	110	28.04	30.07	+.09	61.2	+2.0	89	5	76	33	21	46	42	48	35	44	0.06	−0.8	3	3,975	e.	25	sw.	17	18	9	3	2.7	0.0	0.0
Walla Walla	991	57	65	28.99	30.05	+.05	66.0	+2.2	95	5	79	40	21	53	37	52	38	38	0.05	−0.9	1	3,718	w.	23	w.	17	22	5	3	2.3	0.0	0.0
Yakima	1,076	58	67	28.93	30.07		65.2	+4.1	94	6	80	40	21	50	40	51	38	42	T.	−0.5	0	4,314	nw.	27	w.	17	23	4	3	2.0	0.0	0.0
North Pacific Coast Region							59.8	+1.6										68	0.55	−1.6										3.4		
North Head	211	11	56	29.91	30.13	+.10	55.8	−0.7	83	27	61	46	26	51	22	53	51	88	0.99	−2.0	5	8,329	n.	33	s.	19	12	9	9	4.7	0.0	0.0
Port Angeles	29	8	53		30.16		54.9		74	5	64	38	21	46	27				0.46	−1.0	3	4,253	s.	25	w.	17	13	14	3		0.0	0.0
Seattle	125	215	250	29.98	30.11	+.10	60.5	+2.4	81	10	69	44	22	52	28	54	49	69	0.23	−1.5	4	4,790	ne.	34	sw.	7	12	13	5	4.2	0.0	0.0
Tacoma	194	172	201	29.92	30.12	+.10	59.0	+1.7	83	10	68	38	21	50	32				0.23	−1.9	2	5,333	n.	28	sw.	7	12	14	4	4.6	0.0	0.0
Tatoosh Island	86	9	53	30.03	30.13	+.12	53.9	+0.9	68	28	58	46	26	50	17	51	49	88	2.30	−2.4	12	7,700	s.	34	e.	27	11	6	13	5.8	0.0	0.0
Medford	1,329	29	58	28.61	30.00		67.8		100	15	89	40	26	47	53	53	41	47	0.00	−0.5	0	3,573	s.	23	n.	17	27	3	0	0.8	0.0	0.0
Portland, Oreg.	153	68	106	29.93	30.09	+.06	65.6	+3.9	91	10	77	46	21	54	33	56	49	61	0.11	−1.9	2	4,915	nw.	18	w.	7	19	7	4	2.8	0.0	0.0
Roseburg	510	75	99	29.51	30.05	+.03	64.2	+1.3	91	27	80	40	26	48	46	53	44	56	0.06	−1.2	1	3,480	n.	21	n.	8	27	2	1	1.2	0.0	0.0
Middle Pacific Coast Region							67.9	+3.2										64	0.00	−0.6										2.3		
Eureka	62	73	89	29.96	30.03	+.02	54.4	−1.5	67	15	59	46	22	50	18	52	51	89	0.01	−1.0	1	4,359	n.	24	n.	18	10	9	11	5.3	0.0	0.0
Red Bluff	330	5	58	29.51	29.85	−.08	79.7	+6.6	106	9	97	56	27	63	43	59	42	32	0.00	−0.8	0	4,017	nw.	18	n.	25	30	0	0	0.0	0.0	0.0
Sacramento	69	106	117	29.79	29.86	−.03	74.6	+5.3	102	9	91	49	22	58	39	61	51	52	0.00	−0.4	0	4,812	s.	16	s.	20	30	0	0	0.0	0.0	0.0
San Francisco	155	208	243	29.75	29.92	−.02	63.0	+2.1	100	9	71	52	5	55	40	56	53	81	0.00	−0.4	0	4,803	sw.	25	sw.	25	10	17	3	4.1	0.0	0.0
San Jose	141	12	110	29.77	29.92		68.0	+3.3	99	9	82	45	22	54	45				0.00	−0.4	0	3,995	nw.	18	se.	26	25	5	0	2.2	0.0	0.0
South Pacific Coast Region							70.6	+0.7										67	0.5	−0.1										3.5		
Fresno	327	89	98	29.51	29.86	−.01	77.8	+4.4	107	7	94	55	23	62	38	60	47	41	T.	−0.2	0	4,472	nw.	16	nw.	17	25	4	1	1.1	0.0	0.0
Los Angeles	338	159	191	29.55	29.91	+.03	68.3	−0.7	84	5	77	56	23	60	25	61	58	79	0.14	0.0	3	3,727	sw.	21	nw.	29	11	17	2	4.2	0.0	0.0
San Diego	87	62	70	29.81	29.90	+.01	65.6	−1.5	74	6	70	58	30	61	13	61	59	81	0.00	−0.1	0	4,705	nw.	17	nw.	5	7	19	4	5.2	0.0	0.0
West Indies																																
San Juan, P. R.	82	9	54	29.82	29.90		82.0	+1.5	92	5	87	74	27	77	15				6.54	+0.6	14	6,174	s.	120	ne.	27	4	20	6	5.7	0.0	0.0
Panama Canal																																
Balboa Heights	118	6	97		[1]29.82	.00	79.9	+0.1	92	17	86	71	26	74	16			[1]87	7.23	−0.8	25	3,361	nw.	18	n.	12	0	11	19	7.7	0.0	0.0
Cristobal	36	6	97		[1]29.83	.00	81.6	+1.2	93	4	87	71	13	76	16	76	75	[1]84	7.15	−5.1	18	4,140	se.	25	e.	13	1	10	19	7.9	0.0	0.0
Alaska																																
Fairbanks	455	11	44	[2]29.21	[2]29.72		41.0		62	8	52	16	22	30	32	37	31	68	0.84		9	3,375	e.	25	s.	28	7	7	16	6.5	0.3	0.0
Juneau	80	11	50	[2]29.84	[2]29.93		48.8		60	6	53	38	17	45	17	47	45	87	11.77		28	5,540	s.	31	se.	3	0	4	26	9.4	0.0	0.0
Hawaiian Islands																																
Honolulu	38	86	100	[2]29.95	[2]29.99		77.0	−1.2	84	21	82	70	1	72	13	71	68	73	0.65	−0.6	9	5,829	e.	21	e.	5	12	16	2	4.3	0.0	0.0

[1] Observations taken bihourly.

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

TABLE 2.—*Data furnished by the Canadian Meteorological Service, September, 1932*

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, N. F	99				55.9		62.2	49.5	72	33	3.70		0.0
Sydney, C. B. I	48												
Halifax, N. S	88												
Yarmouth, N. S	65												
Charlottetown, P. E. I	38												
Chatham, N. B	28												
Father Point, Que	20	29.95	29.97	−0.01	52.3	+1.9	59.6	44.9	73	32	2.92	−0.21	0.0
Quebec, Que	296	29.70	30.02	+.01	57.3	+2.2	64.7	50.0	80	32	5.13	+1.46	0.0
Doucet, Que	1,236				50.5		62.9	38.1	80	25	5.31		0.2
Montreal, Que	187	29.81	30.01	−.03	61.0	+2.6	68.7	53.3	89	37	2.28	−1.02	0.0
Ottawa, Ont	236	29.78	30.04	.00	61.7	+4.3	73.1	50.3	92	32			
Kingston, Ont	285	29.75	30.06	+.02	62.0	+2.0	70.3	53.8	84	34	2.78	−0.02	0.0
Toronto, Ont	379	39.66	30.06	.00	62.0	+3.0	70.7	53.4	87	38	3.04	−0.21	0.0
Cochrane, Ont	930				53.6		63.4	43.8	83	32	2.44		0.7
White River, Ont	1,244	28.68	29.99	+.01	52.2	+1.9	64.9	39.4	81	23	1.92	−0.85	0.0
London, Ont	808				59.9		71.2	48.6	81	29	3.24		0.0
Southampton, Ont	656	29.36	30.07	+.02	59.3	+1.8	68.8	49.8	80	37	6.48	+3.54	0.0
Parry Sound, Ont	688	29.36	30.04	+.01	57.7	+1.7	65.6	49.8	77	36	7.29	+3.62	0.0
Port Arthur, Ont	644	29.29	30.00	+.02	55.2	+3.0	66.4	44.1	84	34	1.52	−1.96	0.0
Winnipeg, Man	760	29.17	30.00	+.06	56.0	+3.5	68.2	43.9	88	30	1.89	−0.14	0.0
Minnedosa, Man	1,690	28.16	29.97	+.03	52.4	+1.9	66.3	38.4	84	26	0.74	−0.62	0.0
Le Pas, Man	860				52.0		62.7	41.4	78	26	1.21		0.0
Qu'Appelle, Sask	2,115	27.71	29.94	+.02	53.8	+2.7	67.9	39.7	87	26	0.26	−1.07	0.0
Moose Jaw, Sask	1,759				55.9		70.5	41.2	92	26	0.40		0.0
Swift Current, Sask	2,392	27.42	29.93	+.01	54.9	+1.8	70.4	39.4	90	28	0.33	−0.89	0.0
Medicine Hat, Alb	2,365	27.47	29.95	+.03	55.9	+0.9	68.7	43.2	90	34	2.92	+1.74	0.0
Calgary, Alb	3,540	26.31	29.97	+.05	52.1	+2.3	64.7	39.5	83	28	1.21	−0.15	0.0
Banff, Alb	4,521	25.44	30.00	+.07	48.7	+2.9	61.1	36.3	78	26	0.87	−0.80	0.0
Prince Albert, Sask	1,450	28.40	29.97	+.07	53.0	+4.6	65.4	40.7	84	28	0.83	−0.45	0.0
Battleford, Sask	1,592	28.21	29.94	+.04	54.5	+2.7	69.8	39.3	96	27	0.81	−0.44	0.0
Edmonton, Alb	2,150	27.64	29.90	.00	53.5	+4.2	66.5	40.6	87	34	0.98	−0.35	0.0
Kamloops, B. C	1,262	28.72	30.00	+.03	58.1	+0.7	69.5	46.7	86	35	0.57	−0.28	0.0
Victoria, B. C	230	29.88	30.13	+.12	57.6	+2.8	65.8	49.4	76	44	0.56	−1.60	0.0
Barkerville, B. C	4,180												
Estevan Point, B. C	20				52.1		57.8	46.5	66	40	6.43		0.0
Prince Rupert, B. C	170				51.6		56.9	46.4	66	39	16.60		0.0
Hamilton, Ber	151	29.88	30.04	−.03	77.2	−0.2	82.4	72.0	87	67	2.13	−4.38	0.0

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Cape Race, N. F	99												
Sydney, C. B. I	48	29.93	29.98	+0.03	66.2	+2.9	75.6	56.9	82	46	4.42	+0.80	0.0
Halifax, N. S	88	29.87	29.97	+.01	65.9	+2.3	74.8	57.1	84	46	3.97	−0.38	0.0
Yarmouth, N. S	65	29.87	29.94	−.03	63.1	+2.9	71.5	54.8	80	50	3.00	−0.62	0.0
Charlottetown, P. E. I	38	29.87	29.91	−.03	67.3	+3.0	73.8	60.9	83	53	1.28	−2.46	0.0
Chatham, N. B	28	29.80	29.83	−.10	65.9	+2.7	75.8	56.0	88	43	4.62	+0.58	0.0

SEVERE LOCAL STORMS, SEPTEMBER, 1932

[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
Fort Morgan and Bayou Labatre, Ala.	Aug. 31–Sept. 1	10.50 p. m.–3 a. m.				Wind and rain	No details	Official, U. S. Weather Bureau.
Pike County, Ala	1	8 a. m.	30–50		$2,500	Tornadic winds	Property damage; path 6 miles long	Do.
Baldwin and Mobile Counties, Ala.	1			2	105,000	Hurricane	Damage to property, fruit, and pecans; 2 persons missing.	Do.
Gretna, Va. (2 miles east)	2	4 p. m.	200		1,500	Wind	Property damaged	Do.
Greensboro, N. C	2	P. m.				Electrical	Power lines and telephones disabled; house damaged by lightning.	Do.
Taylor, Tex	3					Heavy rain	Cotton considerably damaged	Do.
Buffalo, N. Y	4					Gale	Power lines torn down; small craft in peril	Do.
Dawson, N. Mex	5	2 p. m.	800			Hail	Considerable damage	Do.
Abilene, Tex., and vicinity.	5–6			4		Heavy rain	Fields washed; lowlands flooded; crops damaged; livestock drowned.	Do.
Burlington, Vt	6	8 p. m.				do	Only slight damage reported because of dry condition of soil.	Do.
Caldwell, Iowa	8					Electrical	Electric service interrupted; barn burned	Do.
Havre, Mont	8				1,000	Wind	Crops and fences blown down; considerable soil shifted; aerial pole and trees blown down.	Do.
Nantucket, Mass., and neighboring waters.	8–9						Thirty small boats washed ashore. Tremendous seas at fishing grounds.	Do.
Trego and Ellis Counties, Kans.	10	3:20 p. m.	[1] 4–5			Heavy hail and downpour.	Crops damaged; cattle drowned; path 20 miles long.	Do.
Plainsville, Kans. (vicinity).	10	7:30 p. m.	[1] 2		10,000	Heavy hail	Ground covered 1 to 2 inches deep with hailstones; path 17 miles long.	Do.

[1] Miles instead of yards.