CONDENSED CLIMATOLOGICAL SUMMARY.

In the following table are given, for the various sections of the Climatological Service of the Weather Bureau, the average temperature and rainfall, the stations reporting the highest and lowest temperatures with dates of occurrence, the stations reporting the greatest and least monthly precipitation, and other data, as indicated by the several headings.

The mean temperatures 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 temperature 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.

Temperature and precipitation by sections, April, 1912.

Section.	Temperature (°F.).								Precipitation (in inches and hundredths).					
	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.
Alabama	64.6	+ 1.6	Livingston	90	22	Riverton	31	8	10.00	+ 5.99	Mobile	17.32	Valley Head	5.94
Arizona	55.5	− 5.3	Maricopa	96	29	Williams	2	1	0.74	+ 0.42	Roosevelt	2.78	3 stations	0.00
Arkansas	61.9	+ 0.8	Jonesboro	93	15	Bergman (No. 2)	26	1†	8.14	+ 3.59	Stuttgart	12.94	Fort Smith	2.60
California	51.9	− 5.1	Heber	92	30	Tamarack	−14	22	3.07	+ 1.28	Upper Mattole	13.86	2 stations	0.00
Colorado	39.7	− 3.2	2 stations	85	30	Hermit	−12	22	1.55	− 0.53	Hermit Lake	7.64	Eads	T.
Florida	72.8	+ 3.5	Fort Meade	96	15†	Molino	40	4	4.45	+ 1.91	Blountstown	17.50	Fort Myers	0.20
Georgia	65.2	+ 2.0	Valdosta	93	28	Mineral Bluff	28	4	7.21	+ 3.66	Cuthbert	12.43	Hartwell	2.76
Hawaii (March)	68.1	.....	Pahala, Hawaii	88	6	Humuula, Hawaii	25	6	6.53	.....	Honomu, Hawaii	30.52	Puuloa, Oahu	0.08
Idaho	44.6	− 2.2	Garnet	84	9	Driggs	− 7	20	2.29	+ 0.62	Middle Fork	6.05	Leadore	0.66
Illinois	53.3	+ 1.9	4 stations	86	15	2 stations	20	19	4.93	+ 1.44	Carlinville	8.60	Dakota	0.69
Indiana	53.6	+ 2.4	2 stations	87	11†	Salamonia	13	3	5.01	+ 1.88	Jeffersonville	8.66	Rochester	2.21
Iowa	49.9	+ 1.4	Inwood	84	5	2 stations	20	3†	2.66	− 0.17	Creston	5.66	Waverly	0.78
Kansas	54.5	− 0.2	Ashland	93	30	Farnsworth	16	18	2.68	+ 0.04	Walnut	9.44	Russell Springs	0.27
Kentucky	58.4	+ 2.4	Beaver Dam	87	13	2 stations	25	4†	7.87	+ 4.22	Alpha	13.66	Catlettsburg	5.18
Louisiana	68.4	+ 1.2	Liberty Hill	92	13	Grand Cane	32	3	7.04	+ 2.19	Pearl River	23.43	Morgan City	1.03
Maryland and Delaware	54.7	+ 2.9	Westernport, Md	87	15	Deer Park,, Md	21	8	2.73	− 0.49	Grantsville, Md	4.73	Solomons, Md	1.31
Michigan	43.2	+ 0.8	Grass Lake	86	7	2 stations	− 1	1	2.18	− 0.10	Ann Arbor	3.96	St. Ignace	0.18
Minnesota	45.5	+ 2.9	2 stations	86	5	Itasca State Park	6	1	2.17	0.00	Fosston	11.16	Fort Ripley	0.40
Mississippi	65.5	+ 1.2	Charleston	92	26	Charleston	34	3	10.37	+ 6.12	Merrill	20.16	2 stations	5.47
Missouri	56.0	+ 1.1	Caruthersville	97	15	Crocker	24	8	5.98	+ 1.95	Caruthersville	12.18	Oregon	1.18
Montana	43.9	+ 2.2	2 stations	82	10	Bowen	− 1	6†	1.58	+ 0.47	Nye	5.88	Plains	T.
Nebraska	49.7	+ 0.2	2 stations	88	5	Hillside	12	19	2.18	− 0.15	Loyal	4.50	Grant	0.91
Nevada	43.4	− 3.6	Logan	84	7	2 stations	11	12	1.27	+ 0.54	Arthur	5.28	Tecoma	0.04
New England	44.0	+ 0.3	Orono, Me	81	25	Bloomfield, Vt	5	4	3.51	+ 0.62	Colchester, Conn	5.11	Manchester, Vt	0.71
New Jersey	50.4	+ 1.3	2 stations	82	6†	Culver's Lake	18	4	3.56	+ 0.08	Belvidere	6.02	Cape May	1.81
New Mexico	47.3	− 4.3	Carlsbad	96	30	Chama	4	14	0.92	0.00	Anchor Mine	7.30	Rodeo	0.00
New York	43.3	− 0.4	Windham	84	16	North Lake	− 8	4	3.81	+ 0.92	Liberty	7.41	Chazy	1.58
North Carolina	60.1	+ 3.4	Lumberton	90	15	Banners Elk	20	4	4.05	+ 0.29	Highlands	7.59	Belhaven	1.30
North Dakota	44.4	+ 3.1	Forman	88	4	.....	.....	.....	2.34	+ 0.87	McLeod	4.10	Pembina	0.90
Ohio	51.9	+ 2.5	Ironton	89	12	Bellefontaine	15	3	4.47	+ 1.46	New Alexandria	8.10	Wauseon	1.82
Oklahoma	59.8	− 0.1	Eldorado	96	30	Hooker	25	7	4.24	+ 1.65	Enid	10.01	Hurley	0.78
Oregon	47.3	− 1.7	Huntington	90	9	Yonna	12	5	2.79	+ 0.31	Happy Home	12.34	Buena Vista	0.16
Pennsylvania	50.2	+ 2.3	3 stations	83	12†	2 stations	18	4†	4.39	+ 1.12	2 stations	7.31	Hanover	2.41
Porto Rico	74.5	− 0.7	Rio Blanco	94	1†	Maricao	50	13	6.10	+ 0.97	San German	16.79	Isabela	2.20
South Carolina	64.3	+ 2.1	2 stations	91	28†	Greenville	32	3	4.24	+ 1.42	Beaufort	8.43	Conway	2.04
South Dakota	48.4	+ 2.9	Kadoka	89	10	Armour	14	18	3.05	+ 1.21	Roslyn	7.77	Timber Lake	0.79
Tennessee	60.6	+ 2.8	Cedar Hill	88	14	Mountain City	22	4	9.60	+ 5.21	Perryville	14.80	Mountain City	5.16
Texas	65.8	− 0.6	5 stations	100	21†	Plemons	23	7	2.87	− 0.21	Beaumont	9.37	Theodore	0.17
Utah	43.2	− 4.2	Green River	88	24	2 stations	− 3	13†	1.44	+ 0.47	Ogden	4.10	Hanksville	0.03
Virginia	57.3	+ 3.5	Arvonia	85	12	Hot Springs	19	4	3.42	+ 0.02	Big Stone Gap	10.47	Culpeper	1.64
Washington	48.3	− 0.5	Colfax	82	10	Colville	21	21	2.17	− 0.24	Quiniault	7.86	Lost Creek	0.10
West Virginia	55.4	+ 4.1	Bancroft	88	12†	Beckley	20	7†	4.03	+ 0.38	Princeton	8.00	Upper Tract	1.09
Wisconsin	45.3	+ 2.1	New Richmond (1)	80	5	Long Lake	9	3	2.21	− 0.51	Koepenick	4.89	Oshkosh	0.69
Wyoming	37.1	− 2.0	Hyattville	79	9	Grand Canyon	−15	6	1.86	− 0.09	Woodrock	8.85	Pinedale	0.08

† Other dates also.

TABLE I.—*Climatological data for United States Weather Bureau stations, April, 1912.*

Districts and stations.	Elevation of instruments.			Pressure in inches.			Temperature of the air, in degrees Fahrenheit.												Precipitation, inches.			Wind.										
	Barometer above sea level, feet.	Thermometer above ground.	Anemometer above ground.	Station, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean max. + mean min. ÷ 2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew point.	Mean relative humidity, per cent.	Total.	Departure from normal.	Days with 0.01, or more.	Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	Maximum velocity. Date.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.	Snow on ground at end of month.
New England.							**43.9**	**+ 0.3**										**75**	**3.27**	**+ 0.2**										**6.3**		
Eastport	76	67	85	29.85	29.94	+0.01	39.2	+ 0.9	64	21	46	16	9	32	27	35	32	79	3.06	+ 0.1	12	8,790	w.	48	ne.	3	13	6	11	5.5	9.7	....
Greenville	1,070	6	....	28.75	29.93	.....	35.0	.....	65	16	45	9	10	25	33	....	....	....	2.87	.....	11	.....	.....	....	.....	....	....	....	....	....	8.2	....
Portland, Me.	103	81	117	29.84	29.97	+ .01	42.5	− 0.5	73	16	50	23	9	35	32	37	29	65	3.49	+ 0.4	14	7,286	w.	36	nw.	23	9	7	14	6.2	5.2	....
Concord	288	70	79	29.66	29.98	− .01	44.2	+ 0.4	78	16	55	22	4	33	41	....	....	....	2.58	− 0.2	15	4,904	nw.	30	nw.	23	7	12	11	6.1	7.3	....
Burlington	404	11	48	29.53	29.98	− .01	40.6	− 0.1	72	16	50	18	1	31	38	....	....	....	2.97	+ 1.1	12	8,773	s.	48	s.	27	10	6	14	5.6	6.9	....
Northfield	876	16	60	29.01	29.98	− .01	39.2	− 1.0	71	16	50	18	9	28	42	35	30	71	1.95	− 0.1	15	6,615	s.	32	s.	26	10	8	12	5.8	6.9	....
Boston	125	115	188	29.84	29.98	+ .01	47.4	+ 2.1	77	16	56	27	4	39	36	42	36	70	3.07	− 0.5	19	8,354	w.	37	nw.	23	4	8	18	7.1	0.5	....
Nantucket	12	14	90	29.98	29.99	+ .02	44.5	+ 0.3	62	26	50	28	4	39	18	42	39	85	2.91	+ 0.3	17	12,890	sw.	50	sw.	7	6	12	12	6.1	T.	....
Block Island	26	11	46	29.96	29.99	+ .01	43.8	0.0	60	16	49	29	4	39	16	41	38	85	3.85	+ 0.2	17	13,727	sw.	54	w.	23	7	8	15	6.9	.....	....
Narragansett	.....	9	....	.....	.....	.....	44.1	− 0.5	67	16	52	24	4	36	24	....	....	....	5.09	.....	19	.....	sw.	....	.....	....	12	7	11	....	.....	....
Providence	160	141	165	29.82	30.00	+ .02	46.5	− 0.1	76	6	55	24	4	38	35	41	36	73	3.61	− 0.2	17	8,801	nw.	50	w.	23	5	13	12	6.5	T.	....
Hartford	159	122	140	29.82	30.00	+ .01	47.2	+ 0.5	78	6	56	26	4	38	41	41	36	72	3.93	+ 0.4	17	6,649	nw.	36	nw.	23	3	10	17	7.1	T.	....
New Haven	106	116	155	29.88	30.00	+ .01	47.5	+ 1.1	77	6	56	25	4	39	34	42	36	71	4.56	+ 1.0	16	6,557	s.	37	w.	23	3	14	13	6.9	T.	....
Middle Atlantic States.							**52.2**	**+ 1.7**										**72**	**2.87**	**− 0.2**										**6.0**		
Albany	97	102	115	29.88	29.99	+ .01	45.8	0.0	76	6	55	24	4	37	40	40	36	72	3.31	+ 0.9	17	6,537	nw.	36	se.	15	9	10	11	5.6	5.7	....
Binghamton	871	78	88	29.06	30.01	− .01	44.4	0.0	75	6	53	20	4	35	36	....	....	....	4.19	+ 1.9	18	5,209	nw.	31	s.	26	1	8	21	8.0	4.2	....
New York	365	414	454	29.67	30.01	+ .01	49.0	+ 0.9	74	6	57	27	4	40	32	42	36	68	3.61	+ 0.3	16	14,926	nw.	84	nw.	23	7	11	12	6.4	T.	....
Harrisburg	374	94	104	29.62	30.03	+ .01	51.8	+ 1.1	77	6	61	31	8	43	37	45	40	71	3.95	+ 1.5	14	6,438	nw.	36	w.	24	6	8	16	6.8	T.	....
Philadelphia	117	123	184	29.90	30.03	+ .02	52.5	+ 1.7	77	6	62	32	4	44	32	46	40	69	2.89	0.0	15	8,704	nw.	39	nw.	7	6	11	13	6.5	T.	....
Scranton	805	111	119	29.14	30.01	.00	47.8	+ 0.7	78	16	57	25	3	38	36	42	37	69	3.78	+ 1.1	17	6,314	s.	39	sw.	24	3	11	16	7.0	0.3	....
Atlantic City	52	37	48	29.98	30.04	+ .04	48.4	+ 0.8	63	24	54	28	4	42	21	44	41	80	2.59	− 0.4	13	6,996	sw.	34	nw.	23	8	8	14	6.1	.....	....
Cape May	18	13	49	30.03	30.05	+ .06	50.0	+ 1.6	66	24	56	33	4	44	24	46	44	84	1.81	− 1.2	13	7,646	s.	36	nw.	3	8	11	11	5.9	.....	....
Baltimore	123	100	113	29.90	30.03	+ .02	54.6	+ 1.6	80	6	64	32	4	46	34	49	43	69	1.94	− 1.3	14	5,758	sw.	34	s.	2	9	10	11	5.4	.....	....
Washington	112	62	85	29.90	30.02	.00	55.6	+ 2.5	81	12	66	31	4	46	36	49	42	65	2.33	− 0.9	12	6,431	s.	43	nw.	2	9	6	15	6.0	.....	....
Lynchburg	681	83	88	29.30	30.04	+ .02	59.0	+ 3.4	82	12	70	34	4	48	37	52	47	70	1.89	− 1.3	10	3,830	sw.	28	nw.	2	9	12	9	5.6	.....	....
Mount Weather	1,725	10	54	28.17	30.00	− .02	50.6	+ 2.2	75	12	59	27	8	42	37	46	41	74	2.19	− 0.9	10	14,007	nw.	77	nw.	2	7	6	17	6.7	T.	....
Norfolk	91	102	111	29.97	30.07	+ .06	61.0	+ 5.0	83	29	70	39	9	52	35	54	49	71	2.78	− 1.0	10	8,541	s.	42	nw.	3	12	7	11	5.3	.....	....
Richmond	144	189	197	29.90	30.05	+ .03	59.6	+ 2.4	82	12	70	34	4	49	3	52	45	61	2.17	− 1.3	10	7,042	s.	43	w.	2	12	6	12	5.1	.....	....
Wytheville	2,293	40	47	27.68	30.05	+ .02	53.4	+ 1.4	78	12	65	28	4	42	37	49	45	77	3.61	0.0	12	4,382	w.	40	w.	2	15	12	3	3.7	T.	....
South Atlantic States.							**64.4**	**+ 3.1**										**75**	**3.91**	**+ 0.5**										**5.3**		
Asheville	2,255	53	75	27.73	30.07	+ .04	55.9	+ 2.0	76	12	66	30	9	46	39	50	46	73	4.17	+ 0.1	11	7,491	se.	35	s.	26	11	6	13	5.5	.....	....
Charlotte	773	68	76	29.24	30.08	+ .05	61.4	+ 2.2	80	15	70	39	8	52	31	55	50	72	3.92	+ 0.5	11	5,500	s.	35	sw.	2	9	7	14	6.1	.....	....
Hatteras	11	12	47	30.08	30.09	+ .08	63.2	+ 5.2	77	29	69	44	4	57	25	58	55	78	2.55	− 1.8	10	11,093	sw.	60	s.	22	13	11	6	3.8	.....	....
Manteo	12	12	46	.....	.....	.....	61.0	.....	80	29	69	35	4	52	....	....	....	....	1.83	− 2.8	8	.....	sw.	....	.....	....	19	4	7	....	.....	....
Raleigh	376	103	110	29.67	30.07	+ .04	62.6	+ 3.6	83	29	72	39	4	53	28	54	48	67	3.74	+ 0.3	12	6,935	sw.	39	nw.	29	11	7	12	5.3	.....	....
Wilmington	78	81	91	30.02	30.10	+ .07	64.2	+ 3.8	81	30	72	42	9	56	27	58	54	77	2.73	− 0.1	10	6,382	sw.	36	sw.	2	11	12	7	4.8	.....	....
Charleston	48	11	92	30.05	30.10	+ .07	67.0	+ 3.2	88	30	73	50	9	61	18	61	58	77	4.92	+ 1.9	8	7,463	s.	67	se.	20	8	11	11	5.7	.....	....
Columbia, S. C.	351	41	57	29.71	30.09	+ .06	65.0	+ 2.2	83	29	74	40	9	56	32	57	51	68	2.77	− 0.1	12	5,756	sw.	40	sw.	2	9	7	14	5.6	.....	....
Augusta	180	80	97	29.89	30.08	+ .05	65.6	+ 2.4	85	29	75	43	9	56	30	59	54	72	5.60	+ 2.1	13	4,731	se.	32	sw.	2	7	11	12	5.7	.....	....
Savannah	65	150	194	30.03	30.10	+ .07	67.8	+ 3.1	85	30	75	51	8	61	21	61	58	81	5.78	+ 2.8	9	8,091	se.	53	w.	22	10	11	9	5.2	.....	....
Jacksonville	43	96	129	30.05	30.10	+ .06	70.8	+ 3.2	87	22	79	51	4	63	21	64	62	81	4.96	+ 2.2	11	7,124	ne.	46	sw.	18	12	13	5	4.9	.....	....
Florida Peninsula.							**76.6**	**+ 3.8**										**79**	**1.88**	**+ 0.1**										**4.9**		
Key West	22	10	53	30.02	30.04	+ .02	79.2	+ 3.7	87	22	83	68	5	75	11	73	71	78	0.25	− 1.0	4	6,285	se.	24	e.	26	12	18	0	4.2	.....	....
Miami	25	37	72	30.05	30.08	.....	77.8	+ 3.6	89	3	83	63	8	72	19	71	68	76	5.61	+ 3.0	9	7,726	se.	30	ne.	24	1	18	11	6.8	.....	....
Sand Key	23	39	72	29.99	30.02	.00	77.6	.....	87	30	80	70	5	76	10	74	72	82	0.35	− 0.9	5	10,869	e.	41	e.	26	16	13	1	3.8	.....	....
Tampa	35	78	96	30.04	30.08	+ .02	74.3	+ 3.7	90	27	83	54	4	66	26	68	66	79	1.31	− 0.5	5	6,175	ne.	38	w.	18	10	14	6	4.8	.....	....
Titusville	25	6	....	30.05	30.10	.....	75.0	+ 4.0	94	22	84	54	6	66	28	....	....	....	4.39	.....	15	.....	e.	....	.....	....	8	17	5	5.1	.....	....
East Gulf States.							**65.9**	**+ 1.3**										**77**	**10.40**	**+ 6.3**										**6.3**		
Atlanta	1,174	190	216	28.84	30.08	+ .05	61.9	+ 0.8	80	11	71	39	3	53	28	56	52	74	6.65	+ 3.0	13	8,525	se.	48	se.	17	9	5	16	6.5	.....	....
Macon	370	78	87	29.69	30.09	+ .06	65.5	+ 2.4	84	29	75	42	9	56	32	60	56	74	8.14	+ 4.7	13	4,776	s.	31	s.	17	12	6	12	5.4	.....	....
Thomasville	273	8	57	29.78	30.07	+ .04	68.6	+ 1.9	88	15	79	43	4	58	30	62	58	78	10.33	+ 6.7	8	4,044	e.	26	sw.	22	9	12	9	5.7	.....	....
Pensacola	50	140	183	29.99	30.05	+ .03	67.5	− 0.2	79	30	73	50	3	62	20	64	61	84	11.02	+ 7.9	13	10,410	se.	56	s.	17	7	4	19	6.8	.....	....
Anniston	741	9	57	29.29	30.08	+ .05	62.6	+ 2.2	82	28	73	39	19	52	35	....	....	....	8.35	+ 4.7	13	4,803	se.	32	ne.	27	10	8	12	5.7	.....	....
Birmingham	700	11	48	29.30	30.07	+ .05	63.3	− 0.2	81	28	73	39	3	54	30	56	52	72	8.92	+ 5.2	12	6,242	s.	27	s.	2	10	9	11	5.5	.....	....
Mobile	57	98	106	29.98	30.04	+ .02	67.9	+ 1.9	87	22	75	49	3	61	24	62	60	81	17.32	+13.0	11	6,415	se.	43	se.	17	6	11	13	6.1	.....	....
Montgomery	223	100	112	29.82	30.07	+ .04	66.0	+ 0.8	85	28	75	44	3	57	27	59	55	74	15.94	+11.7	12	5,213	se.	31	se.	17	6	9	15	6.7	.....	....
Meridian	375	84	93	29.64	30.03	+ .01	64.8	+ 0.7	85	28	75	41	9	55	31	59	55	76	9.44	+ 4.4	13	4,676	s.	39	sw.	29	7	9	14	6.4	.....	....
Vicksburg	247	62	74	29.75	30.03	+ .03	66.0	+ 0.8	84	27	74	46	3	58	26	60	56	75	9.71	+ 4.6	13	5,572	se.	34	sw.	28	9	9	12	6.1	.....	....
New Orleans	51	90	121	29.97	30.02	+ .02	70.4	+ 2.5	86	29	78	51	3	63	25	65	63	83	8.62	+ 3.7	16	7,297	s.	30	sw.	15	3	6	21	8.0	.....	....
West Gulf States.							**65.6**	**− 0.2**										**74**	**4.61**	**+ 1.1**										**5.9**		
Shreveport	249	77	84	29.73	30.00	+ .03	66.0	+ 0.2	85	14	75	45	3	57	26	59	55	73	7.49	+ 2.9	12	4,796	se.	23	nw.	1	7	7	16	6.5	.....	....
Bentonville	1,303	11	44	28.59	29.96	.00	57.7	+ 0.8	79	12	68	34	2	47	35	....	....	....	7.54	+ 3.6	12	5,131	s.	23	s.	26	16	6	8	4.4	T.	....
Fort Smith	457	79	94	29.47	29.95	− .01	62.0	+ 0.3	85	26	72	39	18	52	34	53	46	65	2.60	− 1.3	8	6,988	e.	44	w.	28	8	10	12	5.7	.....	....
Little Rock	357	139	147	29.61	29.99	+ .01	62.8	+ 0.1	84	13	71	42	3	55	30	56	50	70	10.76	+ 6.2	15	7,233	e.	40	s.	21	9	10	11	5.9	.....	....
Brownsville	57	4	....	.....	.....	.....	74.8	.....	97	21	83	52	3	66	27	....	....	....	1.76	.....	3	.....	.....	48	se.	26	....	....	....	....	.....	....
Corpus Christi	20	60	77	29.92	29.94	− .01	70.2	− 0.7	88	16	75	53	8	66	19	67	66	90	1.57	− 0.2	9	10,175	se.	47	se.	28	3	12	15	7.0	.....	....
Fort Worth	670	106	114	29.23	29.94	.00	64.5	− 0.8	88	15	74	43	3	55	32	56	49	64	3.20	+ 0.6	8	8,705	s.	50	s.	27	9	11	10	5.6	.....	....
Galveston	54	106	112	29.94	29.99	+ .02	68.4	− 0.3	83	29	72	53	7	65	15	65	63	87	4.29	+ 1.2	7	8,871	se.	48	nw.	16	5	9	16	6.7	.....	....
Houston	138	111	121	29.83	29.98	.....	69.2	− 0.4	86	21	76	47	3	62	25	....	....	....	6.62	.....	9	6,980	se.	39	se.	28	7	9	14	6.5	.....	....
Palestine	510	64	72	29.45	29.98	+ .02	65.4	− 0.5	84	14	74	44	2	57	30	58	54	72	4.43	+ 0.4	10	5,836	s.	30	se.	28	8	14	8	5.2	.....	....
San Antonio	701	80	91	29.21	29.94	+ .01	68.6	− 0.4	90	21	78	42	3	59	33	61	56	72	1.78	− 1.2	11	4,724	se.	44	n.	7	8	10	12	5.9	.....	....
Taylor	583	55	63	29.36	29.97	+ .02	66.7	− 0.8	87	14	76	40	3	57	31	....	....	....	2.41	− 1.6	9	6,614	s.	48	n.	20	8	9	13	6.0	.....	....
Ohio Valley and Tennessee.							**56.9**	**+ 2.2**										**69**	**6.44**	**+ 2.8**										**5.8**		
Chattanooga	702	189	213	29.27	30.08	+ .05	61.0	+ 1.0	80	12	70	39	19	51	33	55	51	75	9.55	+ 5.2	15	6,912	s.	44	s.	26	6	9	15	6.5	.....	....
Knoxville	996	93	100	29.00	30.06	+ .03	59.6	+ 2.2	82	12	70	35	4	49	34	52	47	68	7.98	+ 3.3	13	4,042	sw.	31	w.	2	6	13	11	5.5	.....	....
Memphis	399	76	97	29.61	30.03	+ .02	62.6	+ 0.8	81	14	70	45	8	56	22	56	50	68	8.01	+ 3.2	12	6,399	s.	47	sw.	28	11	4	15	5.7	.....	....
Nashville	546	108	191	29.46	30.05	+ .04	60.1	+ 1.0	80	12	70	35	19	51	32	54	49	73	11.73	+ 7.4	14	7,803	s.	50	nw.	26	4	13	13	6.2	.....	....
Lexington	989	75	102	28.95	30.02	.00	56.6	+ 2.9	80	12	66	33	8	47	33	....	....	....	6.89	+ 3.6	14	8,694	s.	60	w.	2	9	7	14	6.0	.....	....
Louisville	525	111	132	29.44	30.02	+ .01	59.2	+ 3.0	85	15	69	36	3	50	37	51	44	62	8.60	+ 4.5	16	6,649	sw.	42	nw.	7	6	11	13	6.0	.....	....
Evansville	431	72	82	29.54	30.01	+ .01	58.2	+ 1.8	81	15	66	37	3	50	25	52	47	71	7.02	+ 3.6	15	6,043	s.	37	s.	25	10	12	8	5.3	.....	....

TABLE I.—*Climatological data for United States Weather Bureau stations, April, 1912*—Continued.

Districts and stations.	Elevation of instruments.			Pressure in inches.			Temperature of the air, in degrees Fahrenheit.									Mean wet thermometer.	Mean temperature of the dew point.	Mean relative humidity, per cent.	Precipitation, inches.			Wind.					Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.	Snow on ground at end of month.
	Barometer above sea level, feet.	Thermometer above ground.	Anemometer above ground.	Station, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean max. + mean min. ÷ 2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.				Total.	Departure from normal.	Days with 0.01, or more.	Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	Maximum velocity. Date.						
Ohio Valley and Tennessee—Continued.																																
Indianapolis	822	154	164	29.11	30.00	.00	53.9	+ 1.5	79	15	63	29	3	45	33	47	42	69	4.62	+ 1.2	14	9,065	s.	46	se.	26	9	10	11	5.8	1.0	....
Cincinnati	628	152	160	29.34	30.02	+ .01	56.9	+ 2.6	82	13	66	30	3	48	33	50	43	65	5.62	+ 2.7	15	5,334	sw.	28	w.	22	10	8	12	5.9	T.	....
Columbus	824	173	222	29.13	30.01	− .01	53.4	+ 2.4	79	15	63	28	3	44	31	47	42	70	4.20	+ 1.3	15	10,196	sw.	54	nw.	7	9	10	11	5.4	0.8	....
Dayton	899	181	216	29.03	29.99	.....	53.6	+ 1.9	80	15	63	23	3	44	31	48	44	75	4.94	+ 2.0	14	10,207	sw.	57	sw.	22	11	9	10	5.5	3.0	....
Pittsburgh	842	353	410	29.10	30.01	− .01	52.6	+ 1.6	80	15	63	29	3	43	35	46	40	66	4.32	+ 1.4	16	10,494	sw.	50	nw.	7	7	13	10	5.8	2.5	....
Parkersburg	638	77	84	29.38	30.04	+ .01	56.6	+ 3.6	83	15	68	31	4	46	37	50	46	74	4.02	+ 1.1	12	5,636	s.	36	nw.	7	10	10	10	5.6	T.	....
Elkins	1,940	41	50	27.98	30.03	.00	52.7	+ 4.0	81	15	66	25	4	40	45	46	40	66	2.67	− 0.6	14	3,978	w.	34	w.	2	7	10	13	6.3	0.1	....
Lower Lake region.							**45.2**	**+ 0.1**										**74**	**3.09**	**+ 0.7**										**5.7**		
Buffalo	767	178	206	29.14	29.98	− 0.3	42.2	− 0.1	73	15	51	20	3	34	37	39	35	79	3.39	+ 0.9	16	11,683	sw.	48	w.	15	4	12	14	6.8	4.5	....
Canton	448	10	71	29.50	29.98	.....	40.6	− 1.9	69	15	51	16	4	30	44	.....	.....	.....	2.46	+ 0.2	14	9,855	s.	46	w.	27	10	12	8	5.2	3.8	....
Oswego	335	76	91	29.61	29.98	− .03	41.6	− 1.6	75	15	50	22	3	34	32	38	34	76	2.92	+ 0.7	15	8,660	s.	36	nw.	23	8	9	13	5.8	5.5	....
Rochester	523	86	102	29.42	30.00	− .02	44.0	+ 0.1	80	15	53	22	3	35	36	39	34	71	3.27	+ 0.8	15	7,285	w.	33	w.	23	7	8	15	6.5	6.9	....
Syracuse	597	97	113	29.35	30.01	.00	43.3	− 1.1	75	6	52	20	4	34	38	.....	.....	.....	3.66	+ 1.4	18	10,198	nw.	50	s.	26	7	9	14	6.2	9.3	....
Erie	714	92	102	29.21	29.99	− .03	45.5	+ 0.8	78	15	54	26	3	37	38	40	36	73	4.22	+ 1.8	13	9,858	w.	43	s.	26	7	13	10	6.0	6.1	....
Cleveland	762	190	201	29.16	30.00	− .02	48.0	+ 2.0	77	15	57	22	3	39	34	42	37	72	3.68	+ 1.4	14	11,811	w.	58	s.	26	6	12	12	5.9	6.7	....
Sandusky	629	62	70	29.31	30.00	− .02	47.6	+ 0.3	78	15	56	22	3	39	37	.....	.....	.....	2.43	− 0.1	13	7,920	sw.	36	nw.	22	11	7	12	5.3	2.4	....
Toledo	628	208	246	29.30	29.99	− .02	48.4	+ 1.1	78	15	58	26	3	39	34	43	38	70	2.72	+ 0.4	13	13,391	sw.	57	sw.	26	13	7	10	5.0	T.	....
Fort Wayne	856	113	124	29.08	29.99	.....	49.6	+ 0.3	78	12	59	25	3	40	33	45	42	78	2.44	.....	12	9,139	sw.	42	s.	26	13	8	9	4.7	T.	....
Detroit	730	218	256	29.18	29.98	− .04	46.2	+ 0.7	75	15	55	26	3	37	33	41	36	71	2.17	− 0.2	11	12,241	nw.	50	w.	9	11	9	10	5.2	T.	....
Upper Lake region.							**41.9**	**+ 1.1**										**73**	**2.50**	**+ 0.2**										**5.5**		
Alpena	609	13	92	29.30	29.97	− .05	39.4	+ 1.4	69	15	48	15	3	30	32	36	32	80	2.29	+ 0.1	11	9,360	nw.	48	sw.	15	5	18	7	5.8	2.3	....
Escanaba	612	48	82	29.28	29.96	− .06	37.2	0.0	59	26	44	14	1	30	23	33	29	74	1.91	− 0.2	9	8,024	s.	36	nw.	26	7	14	9	5.9	T.	....
Grand Haven	632	54	92	29.27	29.96	− .05	43.8	− 0.2	68	14	52	23	3	36	33	39	35	74	2.90	+ 0.5	13	10,566	s.	44	se.	26	15	7	8	4.4	1.6	....
Grand Rapids	675	70	87	29.19	29.97	− .05	46.8	+ 0.6	74	6	57	23	3	37	32	41	36	71	2.46	0.0	10	6,321	w.	29	nw.	7	11	5	14	5.7	3.0	....
Lansing	863	11	62	29.02	29.97	.....	45.6	0.0	72	6	56	22	3	35	32	40	36	72	3.12	+ 0.6	13	6,617	sw.	32	se.	26	11	7	12	5.5	T.	....
Houghton	684	62	72	29.23	29.97	− .05	36.8	− 0.1	67	5	46	17	1	28	34	.....	.....	.....	2.49	+ 0.5	10	6,818	e.	42	nw.	26	13	5	12	5.6	8.6	....
Marquette	734	77	116	29.16	29.98	− .04	38.0	+ 0.5	74	5	46	16	1	30	37	34	29	72	3.01	+ 1.0	12	8,593	nw.	48	sw.	26	6	14	10	6.1	4.4	....
Port Huron	638	78	120	29.27	29.98	− .04	43.8	+ 1.6	72	15	53	21	3	35	33	39	36	78	3.10	+ 1.0	11	9,851	ne.	42	s.	26	9	12	9	5.6	0.2	....
Sault Ste. Marie	614	11	61	29.27	29.98	− .05	35.9	+ 0.2	62	25	45	10	1	27	37	32	28	73	2.30	+ 0.2	12	7,871	nw.	50	w.	27	11	8	11	5.4	0.7	....
Chicago	823	140	310	29.08	29.98	− .02	48.8	+ 2.9	75	14	57	37	2	41	31	43	38	70	2.55	− 0.3	9	11,907	sw.	51	s.	26	14	7	9	4.9	0.1	....
Milwaukee	681	119	133	29.21	29.95	− .04	45.8	+ 4.9	73	14	54	29	18	37	34	40	35	72	1.72	− 1.0	11	9,731	sw.	48	sw.	6	11	12	7	4.9	6.6	....
Green Bay	617	49	86	29.26	29.96	− .08	43.5	+ 2.8	67	6	53	23	3	34	31	38	33	71	2.06	− 0.4	10	10,453	ne.	55	sw.	26	6	12	12	6.5	T.	....
Duluth	1,133	11	47	28.71	29.95	− .06	38.7	+ 0.3	74	5	47	21	1	30	34	34	29	70	2.58	+ 0.4	7	10,872	ne.	70	nw.	26	11	11	8	5.3	6.4	....
North Dakota.							**45.1**	**+ 4.4**										**67**	**2.21**	**+ 0.3**										**4.6**		
Moorhead	940	8	57	28.90	29.92	− .07	46.0	+ 4.6	82	4	60	20	7	32	46	38	31	66	2.26	− 0.1	5	7,971	ne.	42	nw.	26	22	3	5	3.2	T.	....
Bismarck	1,674	4	57	28.12	29.91	− .06	46.6	+ 4.0	78	10	60	23	21	33	44	39	32	65	2.30	+ 0.4	9	8,615	nw.	47	se.	30	12	9	9	4.8	0.1	....
Devils Lake	1,482	11	44	28.32	29.91	− .08	42.8	+ 4.6	75	4	55	21	16	31	43	37	30	67	2.41	+ 0.4	11	9,825	ne.	42	e.	11	10	13	7	5.1	1.2	....
Williston	1,896	40	47	27.89	29.89	− .07	44.9	+ 4.4	75	9	56	21	15	34	34	39	33	69	1.86	+ 0.6	9	6,932	n.	37	se.	10	7	14	9	5.6	4.0	....
Upper Miss. Valley.							**51.9**	**+ 1.4**										**69**	**3.77**	**+ 0.8**										**5.8**		
Minneapolis	918	102	208	.....	.....	.....	48.6	.....	79	5	60	28	7	38	31	.....	.....	.....	2.22	− 0.2	6	10,060	s.	52	n.	21	15	4	11	4.6	0.5	....
St. Paul	940	203	212	28.99	29.90	− .09	49.0	+ 3.3	77	5	60	28	7	38	32	41	34	61	2.60	+ 0.3	7	7,700	se.	42	nw.	6	13	12	5	4.9	1.0	....
La Crosse	714	11	48	29.16	29.93	− .05	49.6	+ 2.3	75	5	61	26	3	38	35	.....	.....	.....	3.12	+ 0.8	10	5,463	s.	32	sw.	14	11	5	14	5.7	0.1	....
Madison	974	70	78	28.90	29.96	− .03	46.7	+ 2.2	71	14	57	27	3	37	32	41	34	65	1.48	− 0.9	11	8,809	sw.	44	ne.	17	9	13	8	5.5	3.4	....
Charles City	1,015	10	49	28.85	29.93	− .05	48.2	+ 1.9	73	5	59	26	3	37	39	43	39	74	2.41	− 0.4	9	6,890	s.	36	nw.	26	9	8	13	6.3	T.	....
Davenport	606	71	79	29.29	29.95	− .03	51.2	+ 1.0	74	11	61	31	3	42	31	45	39	67	2.76	− 0.1	8	7,468	sw.	40	s.	26	10	12	8	5.1	7.8	....
Des Moines	861	84	101	29.01	29.92	− .05	51.4	+ 0.8	74	5	61	32	3	42	28	45	39	68	2.75	− 0.2	11	7,864	sw.	43	sw.	14	10	12	8	4.9	T.	....
Dubuque	698	100	115	29.21	29.96	− .02	49.8	+ 0.9	73	5	60	27	3	40	32	43	37	66	2.49	− 0.4	10	5,878	s.	23	nw.	23	10	12	8	5.4	5.0	....
Keokuk	614	64	78	29.28	29.96	− .02	53.0	+ 1.0	76	5	62	32	18	44	31	47	42	71	2.41	− 0.9	10	7,313	sw.	42	sw.	25	11	11	8	5.1	T.	....
Cairo	350	87	93	29.61	29.99	.00	59.0	+ 0.7	78	15	66	40	18	52	19	53	48	71	5.91	+ 2.3	15	6,944	s.	35	sw.	26	8	6	16	6.4	.....	....
La Salle	536	56	64	29.40	29.98	− .01	50.6	+ 0.8	74	14	61	31	18	41	32	.....	.....	.....	2.98	− 0.1	9	8,123	sw.	37	sw.	26	11	9	10	5.1	5.5	....
Peoria	609	11	45	29.31	29.98	− .01	51.5	+ 0.6	75	5	62	30	19	41	33	45	41	72	6.88	+ 3.6	12	7,250	s.	37	w.	6	8	16	6	5.4	4.5	....
Springfield, Ill.	644	10	91	29.28	29.97	− .01	54.6	+ 2.6	78	6	55	32	3	45	33	47	42	69	5.39	+ 2.1	10	7,672	s.	48	s.	25	9	12	9	5.6	T.	....
Hannibal	534	74	109	29.38	29.95	− .03	54.2	+ 0.6	78	5	64	31	3	45	30	.....	.....	.....	5.32	+ 2.1	10	8,241	sw.	47	s.	25	11	10	9	5.2	T.	....
St. Louis	567	208	317	29.36	29.97	− .01	57.2	+ 1.1	80	14	66	34	2	48	26	51	46	73	7.84	+ 4.3	14	8,476	s.	50	se.	25	10	11	9	5.4	T.	....
Missouri Valley.							**52.6**	**+ 2.1**										**64**	**2.97**	**+ 0.1**										**5.1**		
Columbia, Mo.	784	11	84	29.11	29.95	− .03	55.4	+ 1.1	80	5	65	34	17	46	31	.....	.....	.....	5.34	+ 1.6	16	7,309	s.	38	s.	25	9	8	13	5.9	0.1	....
Kansas City	963	161	181	28.90	29.94	− .02	55.4	+ 1.1	78	12	64	35	17	47	33	48	41	64	1.53	− 1.8	7	10,463	s.	51	sw.	14	10	12	8	5.3	T.	....
St. Joseph	967	11	49	28.89	29.94	.....	54.2	.....	79	12	64	33	17	45	34	47	41	66	1.84	.....	6	7,609	se.	37	w.	14	9	13	8	5.2	T.	....
Springfield, Mo.	1,324	98	104	28.56	29.97	.00	55.4	− 0.3	79	13	65	32	2	46	29	49	43	69	5.87	+ 2.0	13	8,973	se.	44	se.	25	14	7	9	4.8	0.5	....
Iola	984	11	50	28.90	29.95	.00	56.0	+ 1.8	80	12	66	35	7	46	37	.....	.....	.....	5.70	+ 2.9	12	6,727	s.	28	sw.	21	15	7	8	4.4	T.	....
Topeka	983	85	101	.....	.....	.....	55.1	+ 1.4	80	5	65	34	7	45	36	.....	.....	.....	1.11	− 1.6	8	8,863	s.	40	sw.	6	12	12	6	4.9	.....	....
Lincoln	1,189	11	84	28.64	29.90	− .04	52.9	+ 2.2	80	5	63	30	7	43	38	45	38	64	2.50	− 0.3	8	10,246	s.	46	s.	13	8	6	16	6.6	.....	....
Omaha	1,105	115	121	28.73	29.92	− .03	52.8	+ 2.3	78	5	62	31	1	44	30	47	43	74	1.31	− 1.7	8	7,299	s.	34	n.	21	5	15	10	6.2	.....	....
Valentine	2,598	47	54	27.16	29.88	− .06	48.2	+ 2.8	79	8	61	21	18	35	41	39	30	59	2.43	+ 0.1	8	9,182	nw.	42	nw.	14	16	12	2	3.5	T.	....
Sioux City	1,135	94	164	28.68	29.90	− .05	50.4	+ 1.9	77	5	60	29	7	40	31	44	38	66	1.98	− 0.8	8	10,027	se.	48	s.	25	9	10	11	5.4	T.	....
Pierre	1,572	70	75	28.22	29.88	− .07	50.8	+ 4.3	81	4	64	25	1	38	45	41	29	52	0.89	− 1.1	6	8,782	se.	48	e.	13	10	13	7	4.5	.....	....
Huron	1,306	56	67	28.50	29.90	− .06	48.4	+ 3.8	81	4	62	16	1	35	47	41	33	64	3.76	+ 1.1	12	8,863	se.	41	nw.	5	13	8	9	4.6	0.1	....
Yankton	1,233	49	57	28.57	29.89	− .06	49.8	+ 2.4	82	5	60	29	7	40	34	.....	.....	.....	3.19	+ 0.4	9	7,760	nw.	42	s.	13	13	6	11	4.9	T.	....
Northern Slope.							**44.1**	**+ 1.3**										**63**	**1.74**	**+ 0.2**										**5.3**		
Havre	2,505	11	44	27.22	29.86	− .07	46.0	+ 3.3	73	10	59	26	6	33	44	40	35	73	1.36	+ 0.4	5	5,051	e.	36	w.	5	14	11	5	4.6	8.9	....
Miles City	2,371	26	48	27.35	29.91	− .05	48.4	+ 3.7	82	10	61	21	16	36	42	42	36	70	2.48	+ 1.3	8	4,287	se.	29	w.	30	11	13	6	4.5	11.0	....
Helena	4,221	87	114	25.67	29.87	− .10	44.4	+ 2.4	70	8	54	26	6	34	37	37	29	59	1.21	+ 0.1	10	5,839	sw.	42	s.	10	3	6	21	7.6	4.6	....
Kalispell	2,962	11	34	26.80	29.85	− .11	45.8	+ 3.3	73	10	58	24	6	34	38	38	31	63	0.61	− 0.4	9	3,634	w.	21	sw.	29	7	18	5	5.3	T.	....
Rapid City	3,234	46	50	26.48	29.90	− .05	47.3	+ 3.8	73	10	59	26	16	36	41	38	28	53	1.61	− 0.7	9	6,776	w.	35	nw.	13	12	8	10	5.0	2.8	....
Cheyenne	6,088	56	64	23.88	29.89	− .02	40.2	− 1.4	62	5	51	17	22	30	41	33	25	60	1.62	− 0.2	7	8,363	nw.	62	nw.	13	10	15	5	4.8	14.1	T.
Lander	5,372	60	68	24.54	29.91	− .03	41.1	− 1.1	65	9	53	17	1	29	39	34	24	56	1.64	− 0.8	6	4,714	sw.	54	sw.	5	12	10	8	4.6	5.4	....
Sheridan	3,790	9	47	25.98	29.90	.....	43.8	+ 0.4	73	10	56	24	15	31	42	36	29	65	1.23	.....	10	5,930	nw.	48	nw.	13	10	10	10	5.3	0.9	....
Yellowstone Park	6,200	11	48	23.75	29.92	− .04	36.1	− 0.9	61	8	46	12	6	26	34	30	24	67	2.24	+ 0.9	15	5,727	sw.	38	sw.	29	5	14	11	6.1	16.1	....
North Platte	2,821	11	51	26.98	29.91	− .01	48.2	− 0.8	80	5	62	22	18	34	44	40	33	64	2.93	+ 0.8	6	7,043	n.	42	sw.	13	9	16	5	5.0	0.1	....

TABLE I.—*Climatological data for United States Weather Bureau stations, April, 1912*—Continued.

Districts and stations.	Elevation of instruments.			Pressure in inches.			Temperature of the air, in degrees Fahrenheit.												Precipitation, inches.			Wind.										
	Barometer above sea level, feet.	Thermometer above ground.	Anemometer above ground.	Station, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean max. + mean min. ÷ 2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew point.	Mean relative humidity, per cent.	Total.	Departure from normal.	Days with 0.01, or more.	Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	Maximum velocity. Date.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.	Snow on ground at end of month.
Middle Slope.							**52.6**	**— 1.1**										**59**	**1.98**	**— 0.2**										**4.9**		
Denver	5,291	129	136	24.61	29.87	— .03	46.4	— 1.3	73	30	58	23	22	35	43	36	22	47	0.89	— 1.3	8	6,117	sw.	42	w.	20	9	15	6	4.9	3.6	....
Pueblo	4,685	80	86	25.17	29.85	— .03	48.8	— 1.7	81	30	62	24	7	35	48	37	25	49	1.21	— 0.2	7	6,803	se.	54	nw.	13	11	17	2	4.2	5.1	....
Concordia	1,398	42	50	28.44	29.92	— .01	54.1	+ 0.5	87	5	65	29	18	43	39	46	38	62	1.35	— 1.1	6	7,088	s.	34	sw.	13	9	10	11	5.7	....	....
Dodge City	2,509	11	51	27.31	29.91	+ .01	52.8	— 1.6	85	5	66	27	18	40	41	44	36	61	1.73	— 0.1	6	9,684	se.	47	se.	25	12	12	6	4.6	T.	....
Wichita	1,364	139	158	28.48	29.92	— .01	54.7	— 1.9	78	30	65	32	18	45	31	48	42	68	3.87	+ 1.2	9	11,209	s.	47	s.	4	10	12	8	5.1	....	....
Oklahoma	1,214	10	47	28.66	29.94	+ .02	58.8	— 0.8	81	30	69	35	2	49	33	51	44	67	2.81	0.0	8	12,698	s.	50	se.	20	11	14	5	4.8	....	....
Southern Slope.							**61.2**	**— 1.2**										**52**	**1.08**	**— 0.8**										**4.2**		
Abilene	1,738	10	52	28.14	29.93	+ .03	64.4	0.0	90	30	76	39	17	53	33	53	43	55	2.30	0.0	7	9,107	s.	39	s.	27	10	5	15	5.6	....	....
Amarillo	3,676	10	49	26.19	29.91	+ .04	54.6	0.0	89	30	68	31	2	41	39	44	33	56	0.72	— 1.0	9	10,030	sw.	45	n.	28	20	9	1	3.1	0.1	....
Del Rio	944	8	57	28.94	29.92	+ .03	69.6	— 0.4	94	30	81	37	3	58	36	....	....	....	1.17	— 1.8	8	4,432	se.	42	w.	1	9	14	7	5.0	....	....
Roswell	3,578	9	57	26.30	29.91	+ .06	56.4	— 4.2	91	30	74	28	2	39	49	42	28	46	0.15	— 0.3	4	5,844	s.	46	sw.	12	19	8	3	3.3	....	....
Southern Plateau.							**56.0**	**— 5.0**										**43**	**0.57**	**+ 0.2**										**3.1**		
El Paso	3,762	110	133	26.13	29.87	+ .04	59.1	— 4.7	86	30	72	36	7	46	38	43	22	34	0.96	+ 0.7	3	10,006	w.	58	w.	12	22	4	4	2.5	....	....
Santa Fe	7,013	8	56	23.17	29.90	+ .06	42.3	— 5.3	72	30	54	20	2	31	33	32	21	48	0.43	— 0.4	10	7,105	sw.	39	sw.	27	11	18	1	4.1	1.3	....
Flagstaff	6,907	8	57	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Phoenix	1,108	50	56	28.76	29.91	+ .04	63.1	— 3.5	88	29	76	38	1	50	39	50	38	47	0.52	+ 0.1	3	3,645	e.	27	sw.	11	18	7	5	3.3	....	....
Yuma	141	9	58	29.76	29.92	+ .03	65.2	— 4.9	91	29	81	39	13	50	41	51	36	42	0.10	0.0	1	4,890	w.	30	w.	11	25	5	0	0.9	....	....
Independence	3,910	11	42	25.90	29.88	— .02	50.3	— 6.4	74	29	64	25	13	37	39	39	25	45	0.82	+ 0.7	2	7,031	s.	46	w.	28	14	10	6	4.5	T.	....
Middle Plateau.							**44.2**	**— 4.3**										**54**	**1.15**	**0.0**										**5.9**		
Reno	4,532	56	63	25.38	29.93	— .04	44.0	— 3.3	71	6	56	23	22	32	42	36	26	56	0.49	— 0.1	7	6,530	w.	36	sw.	30	7	9	14	6.2	T.	....
Tonopah	6,090	12	20	23.96	29.90	.....	41.6	.....	64	30	52	20	12	32	29	33	23	52	0.58	— 1.1	4	8,899	se.	42	w.	21	5	19	6	5.3	3.0	....
Winnemucca	4,344	18	56	25.52	29.92	— .04	44.0	— 3.1	72	7	57	20	22	31	44	36	26	57	0.70	— 0.2	7	5.633	sw.	45	sw.	29	7	3	20	7.1	0.6	....
Modena	5,479	10	43	24.52	29.89	+ .01	41.0	— 5.9	64	8	54	14	13	28	42	33	24	61	1.99	+ 1.2	9	8,506	w.	52	sw.	18	6	13	11	6.0	10.4	....
Salt Lake City	4,360	147	189	25.53	29.90	— .02	46.8	— 3.3	71	9	57	27	20	37	31	38	27	51	2.34	+ 0.1	12	5,838	se.	41	se.	10	10	5	15	5.8	4.1	....
Durango	6,546	18	56	23.55	29.88	+ .03	41.4	— 5.0	68	30	54	21	1	29	35	32	21	50	1.58	+ 0.4	10	4,598	nw.	29	w.	10	6	17	7	5.7	4.9	....
Grand Junction	4,602	43	51	25.28	29.86	— .02	48.1	— 5.1	73	24	60	27	14	36	35	38	28	52	0.36	— 0.4	7	4,546	se.	30	nw.	25	8	14	8	5.1	0.4	....
Northern Plateau.							**47.8**	**— 1.2**										**60**	**1.88**	**+ 0.5**										**6.8**		
Baker	3,466	48	53	26.35	29.94	— .06	43.4	— 0.1	71	9	54	25	6	33	36	37	30	63	1.05	+ 0.1	13	5,036	se.	29	se.	10	3	12	15	7.0	1.2	....
Boise	2,739	78	86	27.07	29.93	— .05	48.2	— 1.9	76	8	58	32	14	39	36	41	31	57	3.34	+ 2.2	13	5,053	nw.	40	se.	10	7	5	18	6.7	0.9	....
Lewiston	757	10	51	29.12	29.94	— .05	51.6	— 1.3	77	9	63	31	6	40	39	....	....	....	1.66	+ 0.5	11	3,732	e.	31	w.	18	5	6	19	7.1	....	....
Pocatello	4,477	46	54	25.37	29.90	— .04	43.2	— 3.6	69	8	53	17	20	34	36	37	31	67	2.20	+ 0.2	14	6,509	se.	36	sw.	13	5	12	13	6.3	8.0	....
Spokane	1,929	101	110	27.86	29.91	— .07	48.2	+ 0.5	74	9	58	30	6	38	36	41	34	62	0.94	— 0.4	8	4,236	sw.	22	s.	23	3	10	17	7.2	T.	....
Walla Walla	1,045	107	115	28.86	29.94	— .07	52.2	— 0.6	75	9	61	37	14	44	34	44	34	53	2.07	+ 0.4	13	5,897	sw.	33	sw.	29	9	7	14	6.2	....	....
North Pacific Coast Region.							**47.4**	**— 1.0**										**78**	**2.67**	**— 0.6**										**7.2**		
North Head	211	11	56	29.79	30.02	— .03	46.6	— 0.9	54	1	50	41	13	44	11	45	43	88	3.19	0.0	17	12,120	nw.	56	se.	29	7	10	13	6.2	....	....
Port Crescent	259	8	53	29.72	30.01	— .01	43.6	— 1.1	58	29	51	29	14	36	23	....	....	....	1.10	— 1.4	15	3,600	nw.	17	nw.	18	1	15	14	7.0	T.	....
Seattle	205	215	250	29.88	30.01	— .02	48.0	— 1.4	64	1	54	35	5	42	21	44	40	76	1.73	— 1.0	16	5,499	s.	34	sw.	29	1	10	19	7.7	....	....
Tacoma	213	113	120	29.78	30.01	— .02	47.9	— 1.0	64	1	55	33	5	41	25	43	38	73	2.51	— 0.2	15	3,841	sw.	23	sw.	29	2	8	20	7.9	....	....
Tatoosh Island	109	7	57	29.89	29.98	— .02	46.8	+ 0.7	56	22	51	37	4	43	14	44	42	86	4.24	— 2.1	15	8,307	w.	47	s.	4	1	20	9	7.0	....	....
Portland, Oreg.	153	68	106	29.84	30.00	— .06	49.9	— 1.3	72	1	58	34	14	42	30	46	41	74	2.04	— 1.0	16	4,003	sw.	24	s.	29	4	2	24	8.0	T.	....
Roseburg	510	9	57	29.46	30.02	— .05	49.0	— 1.9	76	6	59	31	14	39	41	43	38	71	3.86	+ 1.4	18	2,338	nw.	21	sw.	29	7	12	11	6.4	....	....
Middle Pacific Coast Region.							**50.9**	**2.7**										**73**	**2.42**	**+ 0.4**										**5.4**		
Eureka	80	73	89	30.01	30.08	— .03	48.4	— 1.1	61	22	53	38	19	44	23	46	43	84	5.92	+ 2.0	18	6,113	se.	41	sw.	28	1	15	14	7.4	....	....
Mount Tamalpais	2,375	11	18	27.54	30.04	— .01	44.4	— 5.1	59	15	50	32	11	39	19	40	37	81	2.15	+ 0.7	12	15,329	nw.	68	nw.	18	11	7	12	5.5	....	....
Point Reyes Light	490	7	18	29.49	30.01	.....	49.4	+ 0.8	58	3	53	42	11	46	13	....	....	....	0.71	.....	11	18,865	nw.	77	nw.	18	12	5	13	5.7	....	....
Red Bluff	332	50	56	29.63	29.99	— .04	54.6	— 4.5	76	8	64	37	12	45	32	47	38	59	2.63	+ 0.8	11	4,895	se.	26	nw.	18	9	10	11	5.7	....	....
Sacramento	69	106	117	29.94	30.02	+ .01	54.3	— 3.7	72	17	64	36	12	44	29	49	44	71	1.69	— 0.3	7	6,893	s.	34	s.	9	12	12	6	3.9	....	....
San Francisco	155	200	204	29.89	30.06	+ .01	52.8	— 0.9	66	14	58	44	10	48	17	47	42	72	1.38	— 0.4	11	6,388	w.	30	w.	16	11	8	11	5.4	....	....
San Jose	141	12	110	29.91	30.06	.....	52.2	— 4.5	71	23	63	33	22	41	33	....	....	....	1.95	+ 0.5	9	2,888	nw.	13	s.	10	12	10	8	4.9	....	....
Southeast Farallon	30	9	17	30.04	30.07	.....	50.6	.....	59	14	53	43	11	48	9	....	....	....	1.24	— 0.6	9	12,376	nw.	53	nw.	19	14	8	8	4.3	....	....
South Pacific Coast Region.							**55.2**	**— 2.8**										**73**	**1.98**	**+ 1.0**										**4.8**		
Fresno	330	62	70	29.66	30.03	+ .04	56.8	— 4.4	77	6	68	37	13	45	35	48	39	60	1.86	+ 1.2	10	4,704	nw.	26	sw.	10	13	10	7	4.4	....	....
Los Angeles	338	159	191	29.65	30.02	+ .03	56.4	— 1.2	76	23	64	44	11	49	24	50	45	72	1.66	+ 0.5	7	4,823	ne.	30	sw.	19	10	11	9	5.4	....	....
San Diego	87	94	102	29.94	30.03	— .04	56.1	— 2.1	67	23	61	45	13	51	17	52	49	80	2.13	+ 1.4	8	5,081	nw.	26	w.	12	16	8	6	3.9	....	....
San Luis Obispo	201	47	54	29.87	30.09	+ .04	51.5	— 3.7	67	23	60	34	13	43	26	47	44	79	2.27	+ 0.8	7	4,518	nw.	24	w.	26	9	10	11	5.5	....	....
West Indies.																																
San Juan	82	48	90	29.94	30.03	+ .05	76.8	.....	85	3	82	68	6	72	14	....	....	....	6.32	+ 2.5	12	7,437	e.	30	e.	24	15	12	3	4.1	....	....
Panama.																																
Ancon	92	6	69	29.77	29.86	.....	82.1	.....	97	7	92	69	2	72	26	74	72	78	2.68	— 0.1	5	6,390	nw.	25	n.	5	8	16	6	5.1	....	....
Culebra	404	5	62	29.46	29.87	.....	81.4	.....	96	17	91	67	2	72	27	73	70	79	3.14	— 0.7	4	7,059	nw.	30	n.	25	6	21	3	4.9	....	....
Colon	10	5	71	29.89	29.90	.....	82.8	.....	90	20	88	74	18	78	15	75	73	78	0.75	— 3.3	6	10,620	n.	33	ne.	24	16	12	2	3.7	....	....

TABLE II.—*Accumulated amounts of precipitation for each 5 minutes, for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during April, 1912, at all stations furnished with self-registering gages.*

Stations.	Date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate began.	Depths of precipitation (in inches) during periods of time indicated.													
		From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Abilene, Tex.	16	6.05 a. m.	8.50 a. m.	0.56	6.13 a. m.	6.26 a. m.	0.02	0.21	0.41	0.47											
	19	5.42 p. m.	6.25 p. m.	0.85	5.44 p. m.	6.00 p. m.	0.02	0.10	0.39	0.73	0.77										
Albany, N. Y.	7			0.59														0.24			
Alpena, Mich.	14			1.04														0.64			
Amarillo, Tex.	5			0.19														0.19			
Anniston, Ala.	15	1.10 p. m.	2.55 p. m.	0.51	2.08 p. m.	2.24 p. m.	0.01	0.12	0.32	0.42	0.47										
	22	D. N. a. m.	7.45 a. m.	1.26	5.27 a. m.	5.46 a. m.	0.05	0.15	0.37	0.75	0.89										
Asheville, N. C.	27			0.98														0.51			
Atlanta, Ga.	15	3.35 p. m.	7.20 p. m.	1.45	4.23 p. m.	4.54 p. m.	0.04	0.10	0.28	0.41	0.57	0.79	0.95								
	16–17	4.25 p. m.	D. N. a. m.	1.29	5.30 p. m.	5.53 p. m.	0.13	0.16	0.40	0.55	0.78	0.85									
	22	D. N. a. m.	8.53 a. m.	1.51	6.41 a. m.	7.13 a. m.	0.07	0.31	0.58	0.80	0.87	0.93	1.02	1.07							
Atlantic City, N. J.	18			0.43														0.39			
Augusta, Ga.	22	9.55 a. m.	12.45 p. m.	0.58	10.57 a. m.	11.06 a. m.	0.04	0.28	0.32												
Baker, Oreg.	29			0.10														0.06			
Baltimore, Md.	2			0.32														0.28			
Bentonville, Ark.	28	3.20 a. m.	8.40 a. m.	2.58	3.45 a. m.	4.38 a. m.	0.04	0.19	0.50	0.62	0.71	0.75	0.78	0.88	1.03	1.13	1.29	1.40			
					6.30 a. m.	6.44 a. m.	1.59	0.12	0.55	0.66											
Binghamton, N. Y.	15			0.49														0.21			
Birmingham, Ala.	16	11.35 a. m.	5.30 p. m.	2.04	2.36 p. m.	3.49 p. m.	0.55	0.07	0.15	0.23	0.30	0.40	0.52	0.62	0.68	0.72	0.74	0.80	1.42		
	22	4.10 a. m.	6.30 a. m.	0.94	4.22 a. m.	4.36 a. m.	0.02	0.16	0.54	0.68											
	27	7.08 a. m.	3.50 p. m.	1.72	7.20 a. m.	8.15 a. m.	0.01	0.09	8.33	0.38	0.40	0.41	0.42	0.51	0.67	0.69	0.71	0.85			
Bismarck, N. Dak.	11	12.09 p. m.	1.57 p. m.	1.13	1.22 p. m.	1.39 p. m.	0.17	0.22	0.48	0.68	0.72										
Block Island, R. I.	17			0.81														0.24			
Boise, Idaho.	12–13			1.26														(*)			
Boston, Mass.	7			0.37														0.18			
Buffalo, N. Y.	14			0.63†														0.30			
Burlington, Vt.	7			0.61														0.28			
Cairo, Ill.	28			1.66														0.36			
Canton, N. Y.	7			0.47														0.13			
Charles City, Iowa.	13			0.78														0.76			
Charleston, S. C.	20			1.32														0.48			
Charlotte, N. C.	22	5.55 a. m.	11.48 a. m.	1.96	7.51 a. m.	8.34 a. m.	0.30	0.12	0.20	0.28	0.36	0.43	0.54	0.69	0.83	0.87					
Chattanooga, Tenn.	1	12.55 a. m.	9.10 a. m.	0.75	6.28 a. m.	6.46 a. m.	0.24	0.06	0.24	0.36	0.40										
	16	3.42 p. m.	11.02 p. m.	2.18	5.04 p. m.	5.18 p. m.	0.23	0.18	0.38	0.44											
	21–22	11.16 p. m.	7.47 a. m.	1.58	4.06 a. m.	4.32 a. m.	0.32	0.24	0.38	0.43	0.46	0.56	0.58								
	27	2.51 a. m.	10.50 a. m.	2.15	3.59 a. m.	4.58 a. m.	0.07	0.07	0.19	0.33	0.51	0.62	0.74	0.89	0.97	1.05	1.10	1.23			
	29	3.35 a. m.	9.10 a. m.	1.36	4.44 a. m.	5.18 a. m.	0.05	0.10	0.40	0.53	0.67	0.80	1.07	1.15							
Cheyenne, Wyo.	20			1.28														(*)			
Chicago, Ill.	28			1.02														0.29			
Cincinnati, Ohio.	14	10.30 p. m.	11.05 p. m.	0.43	10.34 p. m.	10.52 p. m.	0.01	0.05	0.14	0.32	0.42										
	16–17	10.25 p. m.	1.40 p. m.	0.97	1.04 p. m.	1.22 p. m.	0.55	0.05	0.20	0.36	0.40										
Cleveland, Ohio.	14			0.84														0.26			
Columbia, Mo.	25–26	9.48 p. m.	D. N. a. m.	0.66	10.27 p. m.	10.37 p. m.	0.10	0.19	0.38												
	27–28	11.45 p. m.	6.40 a. m.	2.33	5.26 a. m.	6.21 a. m.	1.39	0.08	0.17	0.22	0.26	0.30	0.38	0.43	0.51	0.59	0.76	0.94			
Columbia, S. C.	22			0.44														0.37			
Columbus, Ohio.	26			0.94														0.30			
Concord, N. H.	2–3			0.88														(*)			
Concordia, Kans.	27			0.38														0.21			
Corpus Christi, Tex.	8			0.61														0.29			
Davenport, Iowa.	17–18			1.17														(*)			
Dayton, Ohio.	17			1.17														0.29			
Del Rio, Tex.	7			0.87														0.26			
Denver, Colo.	26			0.10														0.10			
Des Moines, Iowa.	20–21			1.25														0.74			
Detroit, Mich.	21			0.38														0.37			
Devils Lake, N. Dak.	30			0.86														0.25			
Dodge City, Kans.	17–18			1.54														(*)			
Dubuque, Iowa.	13			0.68														0.55			
Duluth, Minn.	25			0.78														0.32			
Durango, Colo.	12–13			0.39														(*)			
Eastport, Me.	23			0.78														0.14			
Elkins, W. Va.	17–18	8.01 p. m.	D. N. a. m.	0.80	8.34 p. m.	8.49 p. m.	0.05	0.21	0.27	0.35											
El Paso, Tex.	7			0.88														0.17			
Erie, Pa.	28–29			0.99														(*)			
Escanaba, Mich.	21			0.83														0.20			
Eureka, Cal.	28			1.25														0.39			
Evansville, Ind.	17	7.26 a. m.	10.45 a. m.	0.77	7.32 a. m.	7.46 a. m.	0.02	0.17	0.38	0.42											
	26	12.10 p. m.	7.10 p. m.	0.68	3.09 p. m.	3.39 p. m.	0.06	0.11	0.22	0.33	0.44	0.47									
Flagstaff, Ariz.																					
Fort Smith, Ark.	1			0.84														0.30			
Fort Wayne, Ind.	17			0.36														0.23			
Fort Worth, Tex.	1	2.12 a. m.	6.44 a. m.	1.08	5.36 a. m.	6.11 a. m.	0.25	0.13	0.26	0.32	0.49	0.60	0.67	0.77							
Fresno, Cal.	9			0.62														0.23			
Galveston, Tex.	16	11.10 a. m.	2.15 p. m.	1.40	11.26 a. m.	12.05 p. m.	0.06	0.08	0.22	0.44	0.63	0.76	0.88	1.13	1.22						
Grand Haven, Mich.	14			0.49														0.33			
Grand Junction, Colo.	17			0.19														0.06			
Grand Rapids, Mich.	21			0.26														0.21			
Green Bay, Wis.	21			0.75														0.41			
Hannibal, Mo.	12	9.59 a. m.	11.08 a. m.	0.46	10.37 a. m.	10.46 a. m.	0.11	0.24	0.33												
Harrisburg, Pa.	17–18			1.16														0.39			
Hartford, Conn.	29			1.07														0.19			
Hatteras, N. C.	30	1.10 a. m.	5.55 a. m.	0.89	1.19 a. m.	1.33 a. m.	0.03	0.17	0.32	0.39											
Havre, Mont.	13			0.80														(*)			
Helena, Mont.	24–25			0.41														(*)			
Houghton, Mich.	21			0.70														(*)			
Houston, Tex.	16	D. N. a. m.	1.15 p. m.	4.70	7.00 a. m.	7.46 a. m.	0.16	0.37	0.57	0.58	0.64	0.68	0.69	0.74	0.93	1.24	1.27				
					9.34 a. m.	11.18 a. m.	1.70	0.15	0.37	0.66	0.92	1.04	1.15	1.23	1.26	1.34	1.35	1.58	2.01	2.61	2.82
Huron, S. Dak.	25			0.93														(*)			
Independence, Cal.	9			0.80														0.49			
Indianapolis, Ind.	17			0.73														0.46			
Iola, Kans.	28–29	8.26 p. m.	1.25 a. m.	1.12	8.42 p. m.	9.18 p. m.	0.01	0.17	0.32	0.42	0.57	0.72	0.77	0.83							
Jacksonville, Fla.	30	D. N. a. m.	11.04 a. m.	2.39	6.29 a. m.	7.00 a. m.	0.05	0.09	0.18	0.24	0.35	0.47	0.60	0.63							
					9.55 a. m.	10.08 a. m.	1.41	0.27	0.49	0.66											
Kalispell, Mont.	10			0.34														0.18			
Kansas City, Mo.	28			0.54														0.17			
Keokuk, Iowa.	17–18			0.93														(*)			
Key West, Fla.	3			0.17														0.17			
Knoxville, Tenn.	27	D. N. a. m.	8.30 a. m.	1.91	2.49 a. m.	3.25 a. m.	0.14	0.08	0.16	0.27	0.36	0.42	0.53	0.61	0.66						
La Crosse, Wis.	13–14	9.40 p. m.	D. N. a. m.	1.10	10.30 p. m.	11.11 p. m.	0.14	0.07	0.11	0.23	0.29	0.35	0.47	0.55	0.61	0.65					
Lander, Wyo.	20–21			0.85†														(*)			
Lansing, Mich.	28–29			1.03														(*)			

TABLE II.—*Accumulated amounts of precipitation for each 5 minutes, for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during April, 1912, at all stations furnished with self-registering gages*—Continued.

Stations.	Date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate began.	Depths of precipitation (in inches) during periods of time indicated.													
		From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
La Salle, Ill.	28			1.20														0.23			
Lewiston, Idaho	3			0.26														0.15			
Lexington, Ky.	20	11.25 a. m.	8.00 p. m.	1.93	3.32 p. m.	4.12 p. m.	0.38	0.05	0.17	0.23	0.33	0.40	0.48	0.58	0.64						
	26	4.35 p. m.	7.05 p. m.	1.01	5.15 p. m.	5.50 p. m.	0.10	0.10	0.23	0.37	0.49	0.54	0.63	0.68							
Lincoln, Nebr.					6.53 p. m.	7.07 p. m.	1.51	0.13	0.26	0.38											
Little Rock, Ark.	1	3.45 p. m.	6.35 p. m.	0.72	5.17 p. m.	5.29 p. m.	0.05	0.24	0.40	0.47											
	16	6.40 a. m.	9.50 a. m.	1.28	7.52 a. m.	8.20 a. m.	0.23	0.15	0.37	0.59	0.82	0.95	1.00								
	21	6.25 p. m.	D. N p. m.	2.25	6.57 p. m.	8.18 p. m.	0.02	0.10	0.19	0.40	0.57	0.70	0.89	0.97	0.98	0.99	1.01	1.49	2.08	2.16	
	28	11.30 a. m.	2.50 p. m.	0.98	12.45 p. m.	12.52 p. m.	0.38	0.44	0.49												
Los Angeles, Cal.	10			0.48														0.13			
Louisville, Ky.	17	10.55 a. m.	12.25 p. m.	0.71	11.12 a. m.	11.22 a. m.	0.01	0.30	0.57												
	21-22	D. N. p. m.	D. N. a. m.	0.74	12.48 a. m.	12.57 a. m.	0.01	0.17	0.34												
	26	1.57 p. m.	6.45 p. m.	1.96	3.10 p. m.	4.16 p. m.	0.04	0.14	0.22	0.37	0.43	0.54	0.61	0.64	0.69	0.80	1.02	1.25	1.42		
Lynchburg, Va.	27			0.58														0.25			
Macon, Ga.	15-16	8.47 p. m.	D. N. a. m.	1.20	10.47 p. m.	11.07 p. m.	0.48	0.15	0.36	0.51	0.62										
	16-17	4.54 p. m.	11.25 p. m.	1.26	11.25 p. m.	12.12 a. m.	0.41	0.06	0.11	0.16	0.22	0.36	0.52	0.65	0.70	0.75	0.79				
	22	8.17 a. m.	10.45 a. m.	1.17	8.41 a. m.	9.24 a. m.	0.01	0.05	0.17	0.42	0.49	0.62	0.77	0.90							
Madison, Wis.	25-26			0.28														0.20			
Marquette, Mich.	21-22			1.27														(*)			
Memphis, Tenn.	26-27	8.32 p. m.	D. N. a. m.	1.84	12.27 a. m.	12.51 a. m.	0.51	0.07	0.19	0.43	0.64	0.80									
Meridian, Miss.	16	10.13 a. m.	6.45 p. m.	1.09	3.12 p. m.	3.29 p. m.	0.17	0.08	0.34	0.43	0.49										
	20	2.30 a. m.	8.05 a. m.	1.43	4.35 a. m.	5.28 a. m.	0.57	0.07	0.14	0.17	0.23	0.29	0.45	0.57	0.64	0.72	0.77	0.80			
	29	3.30 a. m.	4.45 a. m.	0.99	3.35 a. m.	4.26 a. m.	0.01	0.06	0.10	0.11	0.22	0.26	0.32	0.41	0.59	0.82	0.93	0.97			
Miami, Fla.	3	2.58 p. m.	3.50 p. m.	0.67	3.18 p. m.	3.39 p. m.	0.04	0.16	0.29	0.48	0.60	0.62									
	11	7.58 p. m.	8.30 p. m.	0.50	8.00 p. m.	8.21 p. m.	0.01	0.18	0.30	0.39	0.46	0.49									
	12	11.30 a. m.	12.10 p. m.	1.18	11.32 a. m.	11.54 a. m.	0.01	0.23	0.59	0.94	1.13	1.16									
	24-25	D. N. p. m.	D. N. a. m.	0.73	11.58 p. m.	12.16 a. m.	0.01	0.14	0.38	0.62	0.71										
	25	7.20 a. m.	10.05 a. m.	1.18	8.02 a. m.	8.30 a. m.	0.13	0.15	0.37	0.54	0.72	0.83	0.90								
Milwaukee, Wis.	14			0.45														0.31			
Minneapolis, Minn.	13			0.54														0.28			
Mobile, Ala.	15-16	2.33 p. m.	D. N. a. m.	3.27	9.02 p. m.	9.52 p. m.	0.49	0.18	0.34	0.45	0.50	0.54	0.61	0.77	0.97	1.13	1.18				
					9.52 p. m.	10.42 p. m.		1.23	1.38	1.46	1.49	1.59	1.66	1.69	1.73	1.77	1.81				
					10.42 p. m.	11.06 p. m.		1.91	2.01	2.09	2.22	2.28									
	17	D. N. a. m.	9.50 a. m.	2.12	6.01 a. m.	7.14 a. m.	0.33	0.12	0.17	0.28	0.54	0.64	0.70	0.88	1.16	1.19	1.27	1.44	1.77		
	20	5.50 p. m.	D. N. p. m.	2.50	9.15 p. m.	9.32 p. m.	1.48	0.13	0.43	0.88	0.94										
	21	D. N. a. m.	D. N. a. m.	2.14	2.37 a. m.	3.17 a. m.	0.16	0.28	0.76	1.07	1.09	1.12	1.19	1.25	1.36						
Modena, Utah	11-12			0.60														(*)			
Montgomery, Ala.	12	3.58 p. m.	4.45 p. m.	0.71	4.20 p. m.	4.41 p. m.	0.01	0.07	0.29	0.43	0.69	0.70									
	14	4.05 p. m.	6.35 p. m.	2.36	4.17 p. m.	5.25 p. m.	0.06	0.06	0.14	0.19	0.26	0.33	0.44	0.75	1.05	1.35	1.59	1.94	2.27		
	14	7.15 p. m.	9.05 p. m.	1.50	7.22 p. m.	7.58 p. m.	0.03	0.09	0.32	0.70	0.96	1.15	1.29	1.40	1.44						
	16-17	4.15 p. m.	4.45 a. m.	3.93	6.33 p. m.	6.53 p. m.	0.37	0.20	0.47	0.95	1.32										
	20	1.15 a. m.	8.40 a. m.	3.25	5.06 a. m.	5.50 a. m.	0.56	0.09	0.24	0.49	0.66	0.74	0.80	0.86	0.92	1.02					
	20				6.27 a. m.	8.19 a. m.	1.71	0.07	0.08	0.13	0.18	0.30	0.34	0.44	0.59	0.67	0.70	0.77	1.05	1.30	1.54
	22	7.04 a. m.	7.55 a. m.	1.00	7.28 a. m.	7.48 a. m.	0.02	0.15	0.43	0.75	0.97										
	29	7.35 a. m.	10.15 a. m.	0.80	9.41 a. m.	10.03 a. m.	0.09	0.12	0.22	0.38	0.63	0.71									
Moorhead, Minn.	13			1.38														(*)			
Mount Tamalpais, Cal.	29			0.47														0.31			
Mount Weather, Va.	7			0.45														(*)			
Nantucket, Mass.	17-18			0.80														0.28			
Nashville, Tenn.	1	4.30 a. m.	3.38 p. m.	1.47	8.40 a. m.	8.55 a. m.	0.28	0.26	0.40	0.48											
	1-2	8.15 p. m.	3.30 a. m.	2.20	10.21 p. m.	10.36 p. m.	0.11	0.22	0.41	0.52											
					1.45 a. m.	2.17 a. m.	1.22	0.15	0.29	0.35	0.46	0.63	0.87	0.93							
	22	12.20 a. m.	1.30 a. m.	0.84	12.38 a. m.	12.58 a. m.	0.03	0.07	0.15	0.57	0.77										
	26-27	9.20 p. m.	6.00 a. m.	3.36	11.50 p. m.	12.43 a. m.	0.30	0.27	0.56	0.91	1.27	1.48	1.64	1.78	1.86	1.93	2.00	2.09			
	28-29	8.25 p. m.	4.00 a. m.	1.97	11.05 p. m.	11.43 p. m.	0.71	0.05	0.18	0.24	0.35	0.44	0.58	0.64	0.70						
New Haven, Conn.	7			0.62														0.26			
New Orleans, La.	12-13	7.50 p. m.	8.15 a. m.	1.50	8.03 p. m.	8.27 p. m.	0.02	0.07	0.12	0.25	0.40	0.55									
	29	7.10 a. m.	9.50 a. m.	1.20	7.12 a. m.	7.40 a. m.	0.01	0.08	0.16	0.27	0.54	0.69	0.79								
New York, N. Y.	2			0.37														0.24			
Norfolk, Va.	29	3.35 p. m.	8.10 p. m.	0.71	3.37 p. m.	3.41 p. m.	0.01	0.25													
Northfield, Vt.	18-19			0.30														(*)			
North Head, Wash.	4			0.26														0.21			
North Platte, Nebr.	20			1.00														0.38			
Oklahoma, Okla.	12	12.10 a. m	1.25 a. m.	0.59	12.13 a. m.	12.30 a. m.	0.01	0.19	0.34	0.43	0.48										
	27-28	11.45 p. m.	4.40 a. m.	1.00	2.24 a. m.	2.50 a. m.	0.09	0.12	0.21	0.35	0.44	0.52	0.56								
Omaha, Nebr.	20			0.66														0.18			
Oswego, N. Y.	7-8			0.70														(*)			
Palestine, Tex.	7	12.30 a. m.	D. N. a. m.	1.05	1.03 a. m.	1.38 a. m.	0.08	0.21	0.37	0.50	0.57	0.61	0.66	0.71							
	19	4.46 p. m.	6.33 p. m.	0.59	5.19 p. m.	5.33 p. m.	0.01	0.14	0.34	0.52											
	19-20	7.40 p. m.	2.12 a. m.	1.26	10.11 p. m.	10.32 p. m.	0.33	0.08	0.24	0.37	0.61	0.64									
Parkersburg, W. Va.	17	4.55 p. m.	9.50 p. m.	0.80	5.24 p. m.	5.34 p. m.	0.03	0.15	0.40												
Pensacola, Fla.	19-20	9.45 p. m.	1.30 a. m.	0.80	11.02 p. m.	11.12 p. m.	0.01	0.26	0.72												
	20-21	5.40 p. m.	7.35 a. m.	4.45	7.39 p. m.	8.07 p. m.	0.84	0.12	0.53	1.13	1.58	1.88	2.01								
					6.53 a. m.	7.07 a. m.	3.83	0.09	0.33	0.58											
					1.03 p. m.	1.43 p. m.	0.02	0.06	0.32	0.66	0.88	1.01	1.11	1.30	1.50						
Peoria, Ill.	12	12.24 p. m.	3.53 p. m.	1.79																	
Philadelphia, Pa.	13			0.47														0.33			
Phoenix, Ariz.	11			0.26														0.10			
Pierre, S. Dak.	27			0.44														0.20			
Pittsburgh, Pa.	12			0.45														(*)			
Pocatello, Idaho	19			0.48														(*)			
Point Reyes Light, Cal.	28			0.22														0.08			
Port Huron, Mich.	12			0.74														0.33			
Portland, Me.	16			0.52														0.52			
Portland, Oreg.	3			0.48														0.10			
Providence, R. I.	2			0.64														0.29			
Pueblo, Colo.	16			0.44														0.42			
Raleigh, N. C.	22	9.00 a. m.	2.50 p. m.	1.92	9.30 a. m.	10.00 a. m.	0.04	0.14	0.24	0.25	0.29	0.52	0.63								
					11.50 a. m.	12.48 p. m.	0.85	0.05	0.13	0.16	0.21	0.25	0.38	0.42	0.45	0.52	0.68	0.99			
Rapid City, S. Dak.	13			0.93†														0.21			
Red Bluff, Cal.	9			0.61														0.30			
Reno, Nev.	29			0.27														0.08			
Richmond, Va.	18	3.42 p. m.	4.10 p. m.	0.54	3.42 p. m.	3.58 p. m.	0.00	0.13	0.33	0.52	0.54										
Rochester, N. Y.	22			0.57														0.32			
Roseburg, Oreg.	30			0.99														0.26			
Roswell, N. Mex.	5			0.11														0.09			
Sacramento, Cal.	10			0.40														0.19			
St. Joseph, Mo.	1			0.51														0.38			
St. Louis, Mo.	12	11.53 a. m.	11.30 p. m.	1.46	11.58 a. m.	12.19 p. m.	0.01	0.10	0.22	0.36	0.51	0.55									
	28	8.05 a. m.	10.50 a. m.	0.77	8.27 a. m.	8.34 a. m.	0.01	0.32	0.44												

TABLE II.—*Accumulated amounts of precipitation for each 5 minutes, for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during April, 1912, at all stations furnished with self-registering gages*—Continued.

Stations.	Date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate began.	Depths of precipitation (in inches) during periods of time indicated.													
		From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
St. Paul, Minn	21			1.14														0.34			
Salt Lake City, Utah	18			0.63														(*)			
San Antonio, Tex	7			1.35														0.45			
San Diego, Cal	9			0.82														0.17			
Sand Key, Fla	26			0.15														0.15			
Sandusky, Ohio	17			0.48														0.31			
San Francisco, Cal	10			0.64														0.15			
San Jose, Cal	11			0.38														0.14			
San Luis Obispo, Cal	10			1.22														0.29			
Santa Fe, N. Mex	17–18			0.13														(*)			
Sault Ste. Marie, Mich	26			0.89														(*)			
Savannah, Ga	2	4.02 p. m.	5.17 p. m.	0.69	4.45 p. m.	4.59 p. m.	0.12	0.31	0.41	0.56											
	22	1.21 p. m.	3.52 p. m.	1.38	1.23 p. m.	2.12 p. m.	0.01	0.23	0.39	0.50	0.62	0.72	0.84	0.90	1.03	1.19	1.23				
Scranton, Pa	2			0.67														0.33			
Seattle, Wash	4			0.12														0.09			
Sheridan, Wyo	20			0.35														0.12			
Shreveport, La	16	11.15 a. m.	1.10 p. m.	1.03	11.57 a. m.	12.22 p. m.	0.09	0.16	0.42	0.57	0.68	0.79									
	28	2.45 p. m.	5.00 p. m.	1.94	4.10 p. m.	4.48 p. m.	0.48	0.10	0.28	0.30	0.69	0.91	1.20	1.40	1.44						
Sioux City, Iowa	20			0.88														0.33			
Southeast Farallon, Cal	28			0.30														0.11			
Spokane, Wash	28			0.22														0.19			
Springfield, Ill	28			1.33														0.51			
Springfield, Mo	25–26	11.55 p. m.	D. N. a. m.	0.75	12.07 a. m.	12.28 a. m.	0.10	0.09	0.18	0.36	0.61	0.65									
	27–28	10.07 p. m.	D. N. a. m.	0.81	11.47 p. m.	12.15 a. m.	0.18	0.05	0.10	0.18	0.30	0.49	0.53								
	28	D. N. a. m.	9.50 a. m.	1.17	4.05 a. m.	4.11 a. m.	0.08	0.45	0.52												
Syracuse, N. Y	1–2			0.68														(*)			
Tacoma, Wash	29			0.36														0.13			
Tampa, Fla	18	8.50 a. m.	10.45 a. m.	0.74	9.03 a. m.	9.17 a. m.	0.01	0.22	0.50	0.60											
Tatoosh Island, Wash	3			0.44														0.18			
Taylor, Tex	28	7.00 a. m.	7.45 a. m.	0.40	7.06 a. m.	7.18 a. m.	0.02	0.22	0.31	0.37											
Thomasville, Ga	2	12.25 p. m.	5.35 p. m.	0.90	12.41 p. m.	1.19 p. m.	0.01	0.14	0.37	0.43	0.45	0.47	0.54	0.67	0.71						
	17	11.06 a. m.	1.32 p. m.	1.16	12.06 p. m.	12.44 p. m.	0.01	0.10	0.28	0.52	0.72	0.85	0.94	1.00	1.05						
	20–21	10.55 a. m.	4.40 a. m.	2.83	12.15 p. m.	12.59 p. m.	0.06	0.10	0.14	0.21	0.34	0.61	0.67	0.73							
	21	6.34 a. m.	10.42 a. m.	1.83	7.42 a. m.	8.34 a. m.	0.15	0.13	0.31	0.40	0.51	0.76	0.92	1.03	1.09	1.18	1.27	1.33			
Titusville, Fla	13			1.23														(*)			
Toledo, Ohio	21			0.31														0.31			
Tonopah, Nev	9			0.22														(*)			
Topeka, Kans	20			0.32														0.32			
Valentine, Nebr	20			1.29														0.19			
Vicksburg, Miss	12	9.02 a. m.	10.35 a. m.	2.23	6.59 a. m.	8.00 a. m.	0.07	0.08	0.23	0.31	0.36	0.40	0.51	0.59	0.70	0.75	0.83	1.05	1.26		
	28	2.20 p. m.	4.40 p. m.	1.65	3.38 p. m.	4.08 p. m.	0.89	0.09	0.18	0.23	0.32	0.59	0.71								
Walla Walla, Wash	29			0.30														0.19			
Washington, D. C	2	6.24 p. m.	7.15 p. m.	0.52	6.40 p. m.	6.59 p. m.	0.01	0.17	0.24	0.40	0.50										
Wichita, Kans	28			2.10														0.70			
Williston, N. Dak	13–14			0.95														(*)			
Wilmington, N. C	30			0.42														0.41			
Winnemucca, Nev	10			0.39														(*)			
Wytheville, Va	22			0.66														0.25			
Yankton, S. Dak	13			0.70														0.42			
Yellowstone Park, Wyo	12–13			0.52														(*)			

* Self-register not working. † Record incomplete. ‡ No precipitation occurred during month.

TABLE III.—*Data furnished by the Canadian Meteorological Service, April, 1912.*

Districts and stations.	Pressure.			Temperature.						Precipitation.		
	Station, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean max. +mean min.÷2.	Departure from normal.	Mean maximum.	Mean minimum.	Highest.	Lowest.	Total.	Departure from normal.	Total snowfall.
	Ins.	*Ins.*	*Ins.*	°*F.*	°*F.*	°*F.*	°*F.*	°*F.*	°*F.*	*Ins.*	*Ins.*	*Ins.*
St. Johns, N. F.	29.71	29.85	−0.04	31.9	−2.6	38.9	25.0	49	13	3.15	−1.01	5.0
Sydney, C. B. I.	29.88	29.92	− .03	35.8	+0.8	44.0	27.5	60	14	2.16	−1.69	4.0
Halifax, N. S.	29.82	29.93	− .03	39.1	+1.3	47.1	31.0	67	20	3.87	−0.31	3.2
Grand Manan, N. B.	29.88	29.93	− .01	40.0	+0.8	47.8	32.2	59	17	3.06	+0.10	4.0
Yarmouth, N. S.	29.87	29.94	− .02	39.5	+0.6	46.4	32.6	55	20	3.48	+0.09	9.9
Charlottetown, P. E. I.	29.86	29.90	.00	35.6	+0.4	43.0	28.2	56	12	3.44	+0.79	9.2
Chatham, N. B.	29.88	29.90	.00	35.4	−0.1	45.5	25.4	64	10	3.22	+0.59	15.3
Father Point, Que.	29.83	29.85	− .08	32.2	−1.0	39.5	24.9	58	13	3.48	+1.90	3.4
Quebec, Que.	29.58	29.92	− .07	34.6	−0.5	43.7	25.5	63	6	3.13	+1.04	3.1
Montreal, Que.	29.72	29.93	− .07	39.5	−0.2	48.1	30.9	64	14	3.09	+0.85	1.5
Stonecliffe, Que.	29.30	29.92	− .10	35.8	−2.1	49.5	22.0	69	− 7	3.10	+1.54	8.2
Ottawa, Ont.	29.68	30.01	− .01	38.8	−1.2	48.4	29.1	66	9	3.14	+1.64	1.3
Kingston, Ont.	29.67	29.99	− .03	38.6	−1.4	47.1	30.2	64	17	3.27	+1.48	6.3
Toronto, Ont.	29.59	29.98	− .04	41.8	+1.0	50.0	33.5	71	19	2.47	+0.10	4.2
White River, Ont.	28.59	29.94	− .10	30.3	−2.7	43.3	17.3	62	−16	4.22	+2.97	14.0
Port Stanley, Ont.	29.31	29.97	− .05	42.6	+1.6	50.9	34.3	62	20	3.55	+1.08	0.0
Southampton, Ont.	29.25	.....	.....	40.2	+1.5	49.5	30.8	71	15	2.10	+0.30	2.6
Parry Sound, Ont.	29.26	29.96	− .06	38.2	+0.6	49.2	27.2	68	7	2.34	+0.43	1.5
Port Arthur, Ont.	29.24	29.97	− .06	34.4	+0.9	43.9	25.0	56	10	2.50	+0.78	3.5
Winnipeg, Man.	29.12	29.96	− .06	41.2	+5.3	52.4	30.0	75	18	2.25	+1.20	5.8
Minnedosa, Man.	28.10	29.94	− .07	39.2	+3.2	51.0	27.4	67	14	1.26	+0.20	3.0
Qu'Appelle, Sask.	27.63	29.89	− .10	40.4	+3.0	52.1	28.7	68	17	1.29	+0.24	7.6
Medicine Hat, Alberta	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Swift Current, Sask.	27.31	29.89	− .07	44.2	+2.9	56.8	31.5	70	20	0.42	−0.51	0.2
Calgary, Alberta	26.28	29.83	− .07	41.2	+1.6	53.5	29.0	65	14	2.05	+1.41	4.7
Banff, Alberta	25.25	29.85	− .05	39.2	+3.9	49.3	29.0	59	17	1.35	+0.27	8.4
Edmonton, Alberta	27.57	29.87	− .02	43.8	+3.9	56.8	30.8	69	23	1.57	+0.69	2.7
Prince Albert, Alberta	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Battleford, Sask.	28.14	29.88	− .09	43.0	+5.8	56.1	29.9	70	20	0.03	−0.44	0.0
Kamloops, B. C.	28.54	29.81	− .12	49.0	+0.1	59.7	38.3	68	26	1.36	+0.97	0.0
Victoria, B. C.	29.88	29.98	− .03	48.6	+1.8	55.8	41.4	62	30	1.30	−1.07	0.0
Barkerville, B. C.	25.51	29.81	− .05	36.4	+3.3	44.4	28.5	54	14	2.25	+0.43	14.5
Dawson, Yukon	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hamilton, Bermuda	30.06	30.23	+ .18	64.6	+0.7	69.9	59.3	76	49	3.28	−0.90	0.0