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.

Temperature and precipitation, by sections, March, 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	53.3	− 3.7	2 stations	85	19	Riverton	18	1	9.71	+3.97	Montgomery	12.45	Alaga	5.11
Arizona	51.2	− 3.3	do	87	17†	Flagstaff (2)	− 7	17	2.82	+2.03	Pinal Ranch	8.65	Springerville	0.50
Arkansas	45.8	− 6.9	Eureka Springs	86	19	Dodd City	10	1	7.84	+2.76	Warren	13.81	Rogers	3.82
California	48.6	− 3.2	Lemon Cove	92	5	Tamarack	−17	14	5.17	+0.43	Nellie	21.35	Bagdad	0.00
Colorado	29.1	− 5.8	Hoehne	77	16	Fraser	−22	1	2.61	+0.72	Uncompahgre Plat.	11.64	Arriba	0.05
Florida	66.2	+ 0.4	Clermont	92	22	Mount Pleasant	31	10	4.03	+0.88	Pensacola	10.41	Observation Island	1.22
Georgia	57.1	− 3.4	Valdosta	92	19	Mineral Bluff	19	1	8.32	+3.33	Canton	12.94	Savannah	4.38
Hawaii (February)	67.9	.....	Makaweli, Kauai	87	9, 19	Humunla, Hawaii	30	3†	6.67	.....	Hakalau, Hawaii	29.21	Napoopoo, Hawaii	0.34
Idaho	33.9	− 2.8	Sunnyside	78	31	Driggs	−24	4	1.52	−0.41	Boulder Mine	3.24	Sunnyside	0.05
Illinois	31.0	− 7.8	4 stations	81	19	Lanark	−15	1	3.24	+0.24	Rileyville	7.08	Lanark	1.13
Indiana	32.6	− 8.5	3 stations	78	19†	Mauzy	0	25	4.46	+0.77	Cambridge City	7.54	Howe	1.32
Iowa	24.9	− 9.1	Mount Ayr	70	30	Corning	−19	9	2.01	+0.09	Earlham	5.25	Clear Lake	0.60
Kansas	32.1	−10.6	Hugoton	78	30	Republic	− 9	9	2.72	+1.34	Chanute	9.15	Coolidge	0.26
Kentucky	41.3	− 4.9	Hopkinsville	88	20	3 stations	10	2†	6.22	+1.21	Berea	8.59	Lexington	4.36
Louisiana	56.9	− 4.3	Schriever	88	17	Antioch	21	8	7.32	+2.90	Donaldsonville	16.58	Lakeside	2.72
Maryland and Del.	39.7	− 2.4	Cambridge, Md	78	18	Grantsville, Md	7	2	6.54	+2.99	Cambridge, Md	9.08	Keedysville, Md	4.89
Michigan	21.3	− 7.3	Adrian	65	31	Bergland	−34	2	1.06	−1.06	Pontiac	2.66	Charlevoix	0.05
Minnesota	19.8	− 5.8	Lynd	64	28	Littlefork	−36	2	0.45	−0.79	Beaulieu	1.80	2 stations	0.04
Mississippi	52.7	− 5.3	Natchez	88	28	2 stations	23	1	10.68	+4.16	Austin	14.94	Woodville	6.25
Missouri	35.2	− 5.7	Joplin	89	19	do	− 4	1	4.62	+1.53	Warsaw	7.83	Gorin	0.99
Montana	20.6	− 9.2	Culbertson	68	18†	Grayling	−35	4	0.85	−0.09	Jones Canyon	3.54	Chester	T.
Nebraska	24.6	−11.4	2 stations	71	30	Walthill	−20	15	2.77	+1.42	Columbus	5.08	Hemingford	0.65
Nevada	37.3	− 1.5	Austin	78	27	Austin	− 1	13	1.17	−0.09	Eureka	4.05	Fernley	T.
New England	30.0	− 1.4	Norwalk, Conn	66	29	Bloomfield, Vt	−28	1	5.53	+1.64	Kingston, R. I	9.59	Patten, Me	1.47
New Jersey	36.9	− 1.0	Bridgeton	72	29	Culver's Lake	3	3	7.61	+3.66	Tuckerton	9.61	Cape May	5.95
New Mexico	41.5	− 2.2	Artesia	88	19	Elizabethtown	− 6	15	1.21	+0.53	Anchor Mine	9.26	Montoya	T.
New York	27.0	− 4.8	Bedford	69	31	North Lake	−35	3	3.75	+0.61	Scarsdale	10.05	Avon	0.97
North Carolina	48.5	− 2.2	Rockingham	87	20	Banners Elk	10	2	6.59	+2.26	Highlands	13.02	Wilmington	3.21
North Dakota	15.4	− 5.9	2 stations	65	28†	McKinney	−28	5	0.33	−0.66	Howard	1.20	2 stations	T.
Ohio	32.9	− 6.6	Ironton	80	31	Montpelier	− 3	16	4.17	+0.59	Green	8.24	Oberlin	1.65
Oklahoma	41.7	−10.3	Weatherford	96	19	Goodwell	9	24	3.62	+1.51	Hartshorne	7.11	Kenton	0.20
Oregon	40.7	− 1.2	Dayville	91	31	Wallowa	−13	2	2.47	−1.80	Trask	4.96	Grass Valley	0.00
Pennsylvania	33.6	− 3.6	2 stations	72	29	Pocono Lake	− 8	23	5.05	+1.38	Doylestown	9.71	Brookville	1.80
Porto Rico	74.6	+ 0.6	Arecibo	94	10	Maricao	51	3	3.45	−0.44	San Sebastian	7.54	Aibonito	0.80
South Carolina	53.2	− 2.1	3 stations	88	20†	Heath Springs	15	3	6.79	+2.94	Santuc	10.79	Smith Mills	3.60
South Dakota	22.3	− 7.8	Mobridge	76	28	Ellingson	−21	9	0.88	−0.37	Englewood	3.10	Kidder	0.06
Tennessee	45.6	− 5.0	Ashwood	87	18	Mountain City	12	2	7.32	+2.11	Sewanee	10.50	Birds Bridge	4.16
Texas	53.1	− 6.2	Eastland	98	19	Plemons	10	24	2.75	+0.73	Marshall	10.64	2 stations	0.00
Utah	37.3	− 1.8	Beaver	86	25	Strawberry, East	−12	17†	2.72	+1.09	Park City	9.14	Lucin	0.14
Virginia	43.3	− 1.9	Rocky Mount	87	21	Hot Springs	6	2	6.74	+2.88	Arvonia	10.74	Woodstock	3.21
Washington	40.0	− 1.2	Mottinger	79	27	Snyders Ranch	− 3	3	1.60	−1.63	Quiniault	6.33	Wahluke	0.00
West Virginia	39.9	− 4.0	Bancroft	80	31	Franklin	6	2	5.62	+1.68	Pickens	9.36	Upper tract	1.78
Wisconsin	21.6	− 6.9	Eau Claire (3)	57	28	Long Lake	−30	2	0.86	−0.98	Brodhead	2.30	Bayfield	0.14
Wyoming	21.0	− 8.8	Basin	70	24	2 stations	−36	4	1.63	+0.53	Bechler River, Y.N.P.	5.67	Powell	0.08

† Other dates also.

TABLE 1.—*Climatological data for United States Weather Bureau stations, March, 1912.*

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.	Direction.	Date.						
New England.							**31.4**	**− 1.5**										**73**	**5.54**	**+ 1.7**										**5.4**		
Eastport	76	67	85	29.96	30.04	+ .11	28.8	− 0.1	53	28	36	2	4	22	37	26	22	78	3.76	− 0.5	13	9,706	w.	48	se.	29	11	8	12	5.7	9.5	....
Greenville	1,070	6	....	28.85	30.06	.....	20.9	.....	47	31	32	−14	6	10	44	....	....	....	3.04	.....	8	.....	.....	....	.....	....	....	....	....	....	16.5	....
Portland, Me.	103	87	117	29.96	30.09	+ .13	30.2	− 1.8	58	31	38	3	6	22	36	26	18	63	6.34	+ 2.6	11	6,969	nw.	38	nw.	20	16	5	10	4.7	7.8	....
Concord	288	70	79	29.78	30.11	+ .11	29.5	− 2.5	58	18	39	− 9	6	20	39	....	....	....	4.39	+ 1.5	9	4,813	nw.	28	nw.	2	15	7	9	5.1	11.3	....
Burlington	404	11	48	29.68	30.16	+ .16	21.9	− 5.4	46	28	31	−13	4	13	36	....	....	....	2.97	+ 1.1	9	7,653	s.	46	s.	18	8	10	13	5.9	18.7	T.
Northfield	876	16	60	29.14	30.13	+ .13	22.2	− 4.0	52	18	35	−22	6	10	48	19	15	79	2.49	− 0.3	11	5,671	n.	30	n.	20	10	12	9	5.3	18.6	4.8
Boston	125	115	188	29.96	30.10	+ .13	36.0	+ 1.0	64	31	44	11	4	28	34	31	24	66	4.18	+ 0.1	13	8,511	nw.	47	sw.	15	14	6	11	5.2	9.1	....
Nantucket	12	14	90	30.08	30.09	+ .11	35.2	− 1.6	55	28	41	15	3	29	36	33	29	81	5.85	+ 1.9	16	12,487	sw.	53	s.	15	12	8	11	6.0	6.9	....
Block Island	26	11	46	30.06	30.10	+ .12	34.8	− 1.1	55	15	40	15	3	30	20	32	30	84	7.65	+ 3.3	14	14,701	nw.	53	nw.	2	13	5	13	6.0	2.2	....
Narragansett	....	9	....	.....	.....	.....	34.2	− 0.8	57	20	42	9	3	26	22	....	....	....	8.86	.....	15	.....	nw.	....	.....	....	20	1	10	....	6.0	....
Providence	160	141	165	29.93	30.11	+ .13	34.4	− 1.3	60	15	43	9	6	26	31	31	26	74	6.36	+ 1.7	15	9,136	nw.	48	sw.	15	14	7	10	4.7	9.5	....
Hartford	159	122	140	29.94	30.12	+ .13	34.3	− 0.7	63	31	43	8	6	26	30	29	23	69	7.29	+ 3.0	12	6,199	nw.	40	s.	15	9	11	11	5.4	10.6	....
New Haven	106	116	155	29.99	30.11	+ .12	35.7	+ 0.3	64	29	44	13	6	28	26	31	24	67	9.15	+ 4.7	14	7,717	nw.	48	s.	15	10	8	13	5.7	8.9	....
Middle Atlantic States.							**38.3**	**− 1.5**										**75**	**6.06**	**+ 2.4**										**6.1**		
Albany	97	102	115	30.03	30.14	+ .13	30.2	− 1.9	58	31	38	3	6	22	30	27	23	77	3.71	+ 1.0	10	6,633	nw.	32	s.	17	16	8	7	4.5	8.3	T.
Binghamton	871	78	88	29.17	30.14	+ .12	28.3	− 3.7	60	31	38	− 7	6	19	38	....	....	....	3.37	+ 0.7	13	4,865	nw.	27	s.	15	4	8	19	7.2	13.2	....
New York	365	414	454	29.77	30.12	+ .12	36.8	− 0.7	65	29	44	13	3	29	23	32	26	70	5.68	+ 1.6	16	13,893	n.	78	sw.	15	8	10	13	6.0	4.2	....
Harrisburg	374	94	104	29.74	30.15	+ .12	36.7	− 1.1	67	31	44	15	3	29	31	32	26	68	4.91	+ 1.8	18	5,539	nw.	29	n.	25	8	10	13	5.8	6.3	....
Philadelphia	117	123	184	30.00	30.14	+ .12	39.5	− 0.5	67	29	48	17	3	32	26	35	29	69	9.10	+ 5.6	15	8,234	nw.	36	n.	25	6	14	11	6.0	4.1	....
Scranton	805	111	119	29.25	30.15	+ .13	32.8	− 2.1	62	19	41	10	3	24	33	29	24	73	7.02	+ 3.9	15	5,076	s.	32	sw.	16	4	13	14	6.5	7.8	....
Atlantic City	52	37	48	30.07	30.13	+ .11	37.8	− 1.0	64	20	44	17	3	32	25	35	31	80	6.97	+ 3.2	17	6,954	ne.	42	s.	15	10	9	12	5.7	7.3	....
Cape May	18	9	56	30.12	30.14	+ .13	38.2	− 2.6	63	20	44	18	3	32	22	36	34	86	5.95	+ 2.2	19	7,242	nw.	38	s.	29	9	12	10	5.6	8.0	....
Baltimore	123	100	113	30.01	30.14	+ .11	40.2	− 1.7	72	29	48	19	3	33	27	36	31	72	6.64	+ 2.8	18	5,745	n.	26	n.	29	11	12	8	5.2	8.5	....
Washington	112	62	85	30.01	30.14	+ .10	40.9	− 1.3	76	29	50	18	2	32	32	36	31	71	6.14	+ 2.3	16	5,718	n.	28	n.	25	10	9	12	5.6	4.4	....
Lynchburg	681	83	88	29.36	30.12	+ .07	45.0	− 0.4	81	21	55	19	2	35	36	40	36	77	8.54	+ 4.7	17	3,138	nw.	27	nw.	29	10	9	12	5.9	9.6	....
Mount Weather	1,725	10	54	28.22	30.12	+ .07	34.7	− 2.1	67	29	42	11	2	27	25	31	27	79	4.24	+ 0.3	17	13,964	nw.	66	nw.	16	8	6	17	6.7	8.8	....
Norfolk	91	102	111	30.02	30.13	+ .10	47.2	− 0.5	80	21	55	25	2	39	35	42	39	78	5.18	+ 0.9	17	8,008	s.	44	s.	15	10	7	14	5.8	12.1	....
Richmond	144	189	197	29.98	30.14	+ .10	44.9	− 2.0	78	21	54	20	2	35	35	39	34	72	8.18	+ 4.5	15	6,102	ne.	39	sw.	15	12	7	12	5.3	11.0	....
Wytheville	2,293	40	47	27.68	30.12	+ .07	41.0	− 1.3	73	20	51	16	2	31	34	37	34	81	5.34	+ 0.9	16	4,321	w.	29	w.	29	11	9	11	5.2	12.8	....
South Atlantic States.							**53.4**	**− 0.4**										**78**	**4.97**	**+ 0.7**										**5.8**		
Asheville	2,255	53	75	27.72	30.12	+ .06	45.2	+ 0.3	79	19	55	20	10	35	40	39	35	74	4.70	− 0.4	14	7,643	se.	28	n.	13	11	8	12	5.6	4.7	....
Charlotte	773	68	76	29.27	30.12	+ .07	49.2	− 1.6	80	20	58	26	10	40	26	44	40	76	7.86	+ 3.3	15	5,754	ne.	38	sw.	15	9	6	16	6.2	2.6	....
Hatteras	11	12	47	30.10	30.11	+ .07	52.4	+ 1.0	70	28	59	32	10	46	24	49	46	85	3.74	− 1.7	15	12,444	ne.	60	w.	25	11	7	13	5.5	.....	....
Manteo	12	12	46	.....	.....	.....	49.0	.....	79	21	58	27	11	40	....	....	....	....	5.52	+ 0.5	11	.....	ne.	....	.....	....	14	4	13	....	.....	....
Raleigh	376	103	110	29.71	30.12	+ .07	49.6	− 0.8	83	20	59	25	2	40	31	43	38	71	6.42	+ 2.2	12	6,457	ne.	48	sw.	15	10	7	14	6.0	4.7	....
Wilmington	78	81	91	30.04	30.12	+ .07	53.4	− 0.3	80	20	62	30	2	45	34	48	45	81	3.21	− 0.4	11	6,755	sw.	45	sw.	29	8	10	13	5.9	.....	....
Charleston	48	11	92	30.06	30.12	+ .06	56.1	− 1.1	81	21	63	35	10	49	25	51	49	83	4.14	+ 0.4	10	8,914	ne.	44	ne.	5	8	14	9	5.7	.....	....
Columbia, S. C.	351	41	57	29.73	30.12	+ .06	53.4	− 0.6	84	20	63	29	10	44	30	46	41	71	4.56	+ 0.9	12	6,074	ne.	57	sw.	15	8	7	16	6.2	.....	....
Augusta	180	89	97	29.92	30.11	+ .05	54.4	− 1.5	84	21	64	32	10	45	33	49	45	76	6.83	+ 2.0	12	5,204	se.	36	sw.	15	9	8	14	5.9	.....	....
Savannah	65	150	194	30.04	30.11	+ .05	58.0	− 0.3	83	21	66	38	10	50	27	52	50	81	4.38	+ 0.7	9	9,604	w.	50	se.	12	11	9	11	5.5	.....	....
Jacksonville	43	96	129	30.03	30.11	+ .05	62.6	+ 0.7	84	21	72	41	10	54	28	57	54	82	3.27	− 0.2	9	7,242	ne.	42	s.	15	12	10	9	5.0	.....	....
Florida Peninsula.							**71.8**	**+ 2.8**										**82**	**3.41**	**+ 1.0**										**5.1**		
Key West	22	10	53	30.03	30.05	.00	74.6	+ 1.8	84	30	78	62	26	71	14	70	68	82	1.80	+ 0.3	8	6,408	e.	22	nw.	10	13	12	6	4.8	.....	....
Miami	25	37	72	30.06	30.08	.....	74.3	+ 2.3	86	30	80	53	26	68	24	69	67	80	3.76	+ 1.0	11	7,648	se.	26	s.	24	6	11	14	6.6	.....	....
Sand Key	23	39	72	30.00	30.03	− .02	74.0	.....	81	18	76	65	26	72	11	71	69	85	4.20	.....	11	10,708	e.	37	e.	2	12	15	4	4.4	.....	....
Tampa	35	79	96	30.05	30.09	+ .02	69.0	+ 3.1	87	17	78	48	26	60	31	63	60	81	4.66	+ 1.8	7	5,601	ne.	30	sw.	12	11	11	9	5.1	.....	....
Titusville	25	6	....	30.05	30.10	.....	69.4	+ 3.9	89	29	78	49	10	61	28	....	....	....	2.24	.....	13	.....	e.	....	.....	....	13	12	6	4.5	.....	....
East Gulf States.							**55.2**	**− 2.1**										**77**	**9.33**	**+ 3.5**										**6.4**		
Atlanta	1,174	190	216	28.86	30.11	+ .05	49.9	− 2.5	78	19	58	26	10	42	25	44	40	73	10.44	+ 4.7	12	8,968	w.	37	w.	24	10	5	16	6.9	.....	....
Macon	370	78	87	29.70	30.11	+ .05	54.0	− 0.8	81	21	64	31	10	44	32	....	....	....	9.48	+ 3.9	13	4,997	ne.	29	s.	28	9	7	15	6.0	.....	....
Thomasville	273	8	57	29.80	30.10	+ .04	59.4	− 0.8	85	31	70	35	10	48	33	53	50	80	5.64	+ 0.6	11	4,616	sw.	26	sw.	29	9	9	13	5.7	.....	....
Pensacola	56	140	183	30.03	30.09	+ .03	59.2	− 1.9	74	21	66	36	10	52	25	....	....	....	10.41	+ 5.0	10	9,651	se.	62	nw.	11	8	10	13	6.0	.....	....
Anniston	741	9	57	29.32	30.13	+ .07	51.4	− 1.1	81	19	61	28	10	42	33	....	....	....	9.64	+ 3.9	13	5,584	nw.	30	e.	11	9	5	17	6.5	.....	....
Birmingham	700	11	48	29.34	30.12	+ .06	51.5	− 3.7	80	19	61	26	10	42	31	46	41	72	9.84	+ 4.1	14	6,071	se.	40	se.	23	9	6	16	6.4	.....	....
Mobile	57	98	106	30.02	30.08	+ .02	59.4	+ 0.3	77	18	68	36	10	51	26	54	50	78	6.62	− 0.6	10	6,325	nw.	38	sw.	24	7	15	9	5.5	.....	....
Montgomery	223	100	112	29.86	30.11	+ .05	55.2	− 2.7	82	21	64	31	10	46	28	49	46	76	12.45	+ 6.1	12	5,572	e.	33	sw.	24	5	9	17	6.9	.....	....
Meridian	375	84	93	29.68	30.09	+ .04	53.0	− 3.3	82	19	63	30	16	43	34	48	44	77	9.06	+ 4.4	12	4,818	e.	28	se.	11	6	8	17	7.1	.....	....
Vicksburg	247	62	74	29.82	30.10	+ .06	53.2	− 5.0	80	21	61	34	1	45	33	48	44	75	7.44	+ 1.2	12	5,989	e.	35	w.	23	4	11	16	7.2	.....	....
New Orleans	51	90	121	30.02	30.08	+ .04	60.9	− 1.1	85	21	69	39	10	52	25	56	53	83	10.81	+ 5.5	10	6,950	se.	45	sw.	28	3	13	15	6.9	.....	....
West Gulf States.							**52.0**	**− 5.9**										**79**	**4.80**	**+ 1.7**										**7.2**		
Shreveport	249	77	84	29.81	30.09	+ .07	51.6	− 6.6	82	19	60	31	15	44	34	47	44	79	9.93	+ 5.4	15	5,489	se.	26	w.	28	4	5	22	7.7	.....	....
Bentonville	1,303	11	44	28.06	30.07	+ .06	40.8	− 6.5	81	19	50	18	9	32	36	....	....	....	5.33	+ 1.5	19	5,292	s.	29	s.	16	10	2	19	7.0	3.8	....
Fort Smith	457	79	94	29.57	30.06	+ .05	45.3	− 6.0	82	19	53	26	9	37	34	40	35	71	4.64	+ 1.0	16	7,482	e.	40	w.	14	6	5	20	7.4	0.2	....
Little Rock	357	139	147	29.71	30.10	+ .07	46.4	− 6.1	79	19	54	27	1	39	38	42	38	76	9.05	+ 4.1	16	7,701	e.	33	s.	20	9	3	19	6.8	.....	....
Brownsville	57	4	....	.....	.....	.....	65.3	.....	86	31	75	40	25	56	32	....	....	....	0.20	.....	7	.....	se.	48	se.	20	....	....	....	....	.....	....
Corpus Christi	20	69	77	30.02	30.03	+ .05	59.8	− 4.6	80	28	66	40	22	54	28	57	55	87	0.58	− 1.3	10	10,601	se.	40	se.	4	3	10	18	7.5	.....	....
Fort Worth	670	106	114	29.32	30.05	+ .07	49.8	− 6.8	92	19	59	25	9	40	40	44	39	74	3.34	+ 1.6	14	9,447	nw.	37	nw.	14	5	8	18	7.2	T	....
Galveston	54	106	112	30.01	30.07	+ .06	57.6	− 4.7	73	28	63	40	24	52	18	55	53	88	2.00	− 0.9	10	10,110	se.	34	se.	4	5	7	19	7.0	.....	....
Houston	138	111	121	29.90	30.06	.....	57.8	− 5.7	82	3	66	39	9	50	31	....	....	....	2.91	.....	12	7,704	se.	33	se.	31	5	5	21	7.9	.....	....
Palestine	510	73	79	29.53	30.07	+ .07	52.4	− 6.1	78	19	61	30	15	44	38	47	44	79	7.55	+ 4.1	14	7,125	nw.	39	nw.	28	5	8	18	7.2	.....	....
San Antonio	701	80	91	29.30	20.03	+ .05	56.7	− 5.4	82	20	66	35	22	47	33	51	47	76	1.86	+ 0.2	12	5,223	n.	28	n.	21	3	12	16	7.5	.....	....
Taylor	583	55	63	29.44	30.06	+ .07	53.1	− 6.6	79	18	62	32	9	44	36	....	....	....	3.67	+ 1.0	13	7,574	nw.	34	w.	28	5	8	18	7.2	.....	....

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

Districts and stations.	Elevation of instruments. Barometer above sea level, feet.	Thermometer above ground.	Anemometer above ground.	Pressure in inches. Station, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Temperature of the air, in degrees Fahrenheit. 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.	Precipitation, inches. Total.	Departure from normal.	Days with 0.01, or more.	Wind. Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Direction.	Date.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.	Snow on ground at end of month.
Ohio Valley and Tennessee.							**39.8**	**− 4.2**										**78**	**5.91**	**+ 1.5**										**7.0**		
Chattanooga	702	189	213	29.30	30.13	+ .07	48.8	− 2.5	81	19	58	26	1	40	32	44	40	77	9.31	+ 3.1	19	6,706	ne.	30	nw.	15	8	5	18	6.8	T.	....
Knoxville	996	93	100	29.03	30.10	+ .04	46.6	− 1.6	79	19	55	24	1	38	35	42	38	75	7.04	+ 1.5	15	4,053	ne.	25	sw.	21	7	8	16	6.7	1.6	....
Memphis	399	76	97	29.69	30.13	+ .09	46.1	− 6.0	76	19	53	26	1	40	38	42	37	74	9.53	+ 3.8	13	6,645	ne.	36	sw.	15	7	6	18	7.0	T.	....
Nashville	546	108	191	29.53	30.12	+ .07	45.1	− 4.1	79	19	54	23	2	36	36	41	38	80	6.00	+ 0.6	16	7,399	se.	33	s.	17	9	3	19	6.8	3.5	....
Lexington	989	75	102	29.02	30.13	+ .08	39.3	− 4.1	73	19	47	17	2	31	37	....	....	....	4.36	− 0.4	17	7,761	se.	38	sw.	21	6	5	20	7.4	5.5	....
Louisville	525	111	132	29.54	30.14	+ .09	40.2	− 5.1	77	31	48	19	2	32	34	36	32	75	5.70	+ 1.4	16	5,980	ne.	30	w.	21	5	6	20	7.2	6.6	....
Evansville	431	72	82	29.64	30.12	+ .08	39.7	− 4.9	75	19	47	19	10	32	28	36	32	78	5.53	+ 0.9	18	5,581	ne.	36	sw.	21	6	11	14	6.4	17.2	....
Indianapolis	822	154	164	29.23	30.14	+ .10	32.8	− 6.8	72	31	40	12	2	26	30	30	26	80	5.35	+ 1.3	16	7,238	n.	40	s.	17	7	10	14	6.6	10.5	....
Cincinnati	628	152	160	29.45	30.15	+ .10	37.8	− 5.0	74	31	46	15	2	30	33	34	31	78	4.73	+ 1.1	17	5,403	ne.	25	w.	15	5	6	20	7.5	5.5	....
Columbus	824	173	222	29.23	30.14	+ .10	34.2	− 5.0	70	31	42	11	2	26	32	31	28	80	4.56	+ 1.4	16	8,743	nw.	41	n.	24	6	9	16	6.9	7.4	....
Dayton	899	181	216	29.15	30.13	.....	34.4	− 5.9	72	31	42	12	1	27	29	31	28	79	5.21	+ 1.8	17	7,928	ne.	40	sw.	17	8	3	20	7.0	8.5	....
Pittsburgh	842	353	410	29.20	30.13	+ .09	35.2	− 4.3	66	19	44	12	5	26	31	32	27	72	4.83	+ 1.8	18	8,757	nw.	42	nw.	15	6	8	17	6.8	3.5	....
Parkersburg	638	77	84	29.47	30.14	+ .09	39.0	− 3.3	71	31	48	14	1	30	37	36	34	85	5.09	+ 1.3	18	4,614	nw.	30	nw.	15	6	7	18	7.0	2.3	....
Elkins	1,940	41	50	28.01	30.13	+ .08	38.6	− 0.5	70	19	49	13	2	28	41	34	31	80	5.50	+ 1.4	19	3,375	w.	22	w.	21	5	8	18	7.3	1.9	....
Lower Lake Region.							**27.1**	**− 5.8**										**78**	**2.64**	**0.0**										**5.8**		
Buffalo	767	178	206	29.29	30.15	+ .13	27.4	− 3.8	54	17	34	6	3	20	25	24	21	81	2.51	− 0.1	11	9,913	sw.	44	w.	18	7	15	9	6.1	12.6	T.
Canton	448	10	71	29.65	30.16	.....	20.3	− 7.4	52	19	30	−18	4	11	37	....	....	....	2.08	− 0.8	13	7,692	sw.	36	s.	18	10	13	8	4.8	11.2	1.4
Oswego	335	76	91	29.76	30.15	+ .14	26.2	− 5.2	54	31	33	− 2	6	19	28	24	21	81	2.20	− 0.6	11	7,567	s.	32	ne.	25	5	13	13	6.3	12.0	4.0
Rochester	523	86	102	29.57	30.16	+ .14	28.2	− 3.1	60	31	36	5	6	21	30	24	20	73	2.76	− 0.2	12	6,365	w.	28	w.	31	7	13	11	5.9	8.8	....
Syracuse	597	97	113	29.48	30.15	+ .13	27.0	− 4.4	58	31	35	− 3	4	19	31	....	....	....	3.34	+ 1.0	16	8,098	nw.	40	s.	17	7	12	12	6.1	15.0	....
Erie	714	92	102	29.35	30.15	+ .13	28.5	− 4.6	62	31	36	6	3	22	28	26	22	80	3.12	+ 0.5	15	7,489	ne.	30	ne.	21	5	16	10	6.0	8.4	....
Cleveland	762	190	201	29.31	30.16	+ .13	29.0	− 5.2	64	31	36	9	1	22	31	26	22	77	2.14	− 0.6	19	9,569	w.	36	w.	15	7	10	14	6.6	7.3	....
Sandusky	629	62	70	29.45	30.16	+ .13	28.4	− 6.8	67	31	35	8	2	22	34	....	....	....	2.93	+ 0.4	13	6,298	ne.	30	n.	24	9	8	14	5.8	8.3	....
Toledo	628	208	246	29.46	30.17	+ .14	28.0	− 6.8	65	31	35	7	4	21	33	25	21	76	3.09	+ 0.8	11	10,744	n.	42	ne.	20	11	9	11	5.2	14.3	T.
Fort Wayne	856	113	124	29.20	30.16	.....	28.6	−10.3	69	31	36	7	2	21	30	26	22	80	2.72	.....	14	7,024	ne.	35	ne.	20	11	4	16	5.8	18.7	....
Detroit	730	218	256	29.35	30.17	+ .14	26.4	− 6.5	55	31	33	5	2	20	25	23	20	79	2.27	− 0.1	11	10,364	ne.	41	ne.	21	11	10	10	4.8	15.8	T.
Upper Lake Region.							**21.8**	**− 5.7**										**79**	**1.06**	**− 1.2**										**5.0**		
Alpena	609	13	92	29.49	30.19	+ .16	20.6	− 4.4	51	19	30	− 6	6	11	36	18	15	79	0.23	− 1.8	4	7,970	nw.	36	w.	17	14	9	8	4.6	2.9	T.
Escanaba	612	48	82	29.49	30.19	+ .15	18.9	− 4.6	48	27	28	− 8	3	10	29	17	14	82	0.59	− 1.4	6	7,662	s.	35	n.	29	14	10	7	4.5	3.2	T.
Grand Haven	632	54	92	29.47	30.19	+ .16	23.2	− 7.6	48	28	31	− 4	6	15	28	22	18	80	1.44	− 1.1	9	8,052	n.	34	s.	17	14	11	6	4.8	14.9	....
Grand Rapids	675	70	87	29.38	30.19	+ .16	25.0	− 8.0	49	17	34	0	2	16	29	22	20	83	1.52	− 1.0	9	4,803	e.	21	ne.	24	9	9	13	5.6	13.7	T.
Lansing	863	11	62	29.19	30.17	.....	22.4	− 8.9	50	19	32	− 5	2	12	37	19	17	84	1.92	− 0.3	8	4,906	ne.	22	ne.	24	9	12	10	5.0	20.7	T.
Houghton	684	62	72	29.42	30.18	+ .14	17.6	− 6.2	56	28	28	−19	3	8	44	....	....	....	0.33	− 1.8	6	5,418	w.	33	nw.	27	14	8	9	4.5	3.7	8.5
Marquette	734	77	116	29.36	30.20	+ .16	19.7	− 4.0	56	28	29	− 9	3	10	41	17	11	72	0.56	− 1.5	9	7,506	nw.	38	nw.	28	6	20	5	5.7	6.0	0.1
Port Huron	638	78	120	29.45	30.17	+ .14	23.8	− 5.8	48	19	31	1	2	17	24	21	18	81	1.78	− 0.7	11	8,583	ne.	36	n.	15	13	7	11	4.7	17.7	0.5
Sault Ste. Marie	614	11	61	29.46	30.20	+ .17	17.1	− 4.2	46	28	28	−12	3	6	35	14	11	81	0.19	− 1.7	7	6,436	w.	40	nw.	19	11	12	8	4.8	1.7	1.6
Chicago	823	140	310	29.26	30.18	+ .15	28.8	− 5.6	56	31	35	6	1	23	25	26	22	75	2.20	− 0.4	7	10,079	ne.	43	ne.	20	7	11	13	6.1	13.5	T.
Milwaukee	681	119	133	29.41	30.17	+ .14	26.3	− 4.6	48	19	32	0	1	20	28	24	19	76	1.68	− 1.0	6	8,786	ne.	42	ne.	15	10	13	8	5.2	14.0	....
Green Bay	617	49	86	29.48	30.18	+ .14	22.0	− 4.8	51	28	31	− 6	1	13	29	19	15	75	0.88	− 1.5	7	8,724	s.	38	n.	20	10	11	10	5.5	5.8	....
Duluth	1,133	11	47	28.90	30.18	+ .12	18.6	− 5.5	53	28	27	−11	1	10	32	16	13	80	0.43	− 1.1	6	9,315	ne.	39	nw.	14	10	18	3	4.5	5.8	T.
North Dakota.							**15.7**	**− 5.2**										**83**	**0.34**	**− 0.6**										**4.4**		
Moorhead	940	8	57	29.14	30.21	+ .13	20.6	− 0.8	55	28	32	− 9	1	10	36	17	13	77	0.21	− 0.9	7	6,320	n.	25	n.	30	21	7	3	3.4	2.4	....
Bismarck	1,674	4	57	28.34	30.23	+ .17	16.0	− 6.1	58	29	28	−18	5	4	38	14	11	86	0.70	− 0.3	6	6,793	nw.	34	se.	29	13	9	9	4.7	7.5	T.
Devils Lake	1,482	11	44	28.52	30.19	+ .14	14.2	− 4.3	47	29	26	−20	1	3	35	12	8	81	0.09	− 0.9	3	7,829	sw.	38	n.	30	14	9	8	4.4	0.9	....
Williston	1,896	40	47	28.10	30.20	+ .16	12.0	− 9.6	50	29	23	−21	1	1	36	10	8	89	0.35	− 0.3	7	5,330	n.	30	nw.	25	11	12	8	5.0	4.7	....
Upper Mississippi Valley.							**28.6**	**− 7.4**										**79**	**2.41**	**0.0**										**5.8**		
Minneapolis	918	102	208	.....	.....	.....	24.2	.....	57	28	32	− 5	2	16	27	....	....	....	0.34	− 1.3	7	8,226	nw.	32	n.	19	13	10	8	4.8	4.6	....
St. Paul	940	203	212	29.23	30.17	+ .12	24.6	− 3.6	59	28	34	− 5	2	16	27	21	16	72	0.32	− 1.3	9	7,344	n.	34	nw.	26	11	13	7	4.6	3.9	T.
La Crosse	714	11	48	29.39	30.20	+ .16	24.6	− 6.3	55	28	34	− 5	5	16	31	....	....	....	1.14	− 0.5	9	4,291	s.	21	sw.	18	14	5	12	5.3	9.2	....
Madison	974	70	78	29.10	30.20	+ .16	23.4	− 6.7	49	28	31	− 5	2	16	27	20	17	79	1.92	− 0.3	6	7,671	ne.	38	ne.	15	7	15	9	5.9	17.5	T.
Charles City	1,015	10	49	29.06	30.19	+ .14	23.0	− 5.4	52	28	32	− 6	22	14	34	20	18	86	1.36	− 0.6	8	5,114	s.	26	s.	17	8	8	15	6.4	14.1	....
Davenport	606	71	79	29.49	30.18	+ .15	27.2	− 8.2	55	31	35	2	1	19	31	24	20	79	2.34	+ 0.1	7	5,940	e.	33	e.	20	12	11	8	5.2	22.1	....
Des Moines	861	84	101	29.22	30.17	+ .13	26.2	− 9.5	60	30	35	− 4	9	18	28	23	19	77	2.87	+ 1.2	8	5,678	n.	27	w.	17	11	8	12	5.8	28.0	....
Dubuque	698	100	115	29.42	30.21	+ .17	25.2	− 8.0	60	28	34	− 5	1	16	30	22	19	81	2.07	− 0.1	10	4,395	n.	17	n.	8	10	10	11	5.6	16.7	T.
Keokuk	614	64	78	29.46	30.18	+ .15	29.9	− 8.0	64	31	38	4	6	22	32	27	24	82	1.38	− 1.0	7	5,398	nw.	24	ne.	20	10	11	10	5.5	10.5	....
Cairo	350	87	93	29.71	30.11	+ .07	42.0	− 5.0	76	19	49	22	1	35	38	37	33	74	5.29	+ 1.3	17	7,528	ne.	33	nw.	21	6	8	17	6.9	6.6	....
La Salle	536	56	64	29.60	30.20	+ .17	27.9	− 8.9	62	31	36	2	1	20	32	....	....	....	1.47	− 1.4	8	6,450	ne.	32	ne.	20	5	17	9	5.9	15.8	....
Peoria	609	11	45	29.49	30.18	+ .15	28.4	− 8.6	67	31	37	3	1	20	32	26	23	82	2.03	− 0.9	10	5,813	n.	30	ne.	20	4	16	11	6.6	10.5	....
Springfield, Ill	644	10	91	29.44	30.15	+ .12	32.1	− 7.0	72	31	39	10	6	25	32	29	26	81	4.21	+ 1.1	12	6,834	ne.	30	ne.	20	2	12	17	7.2	11.0	....
Hannibal	534	74	109	29.56	30.16	+ .14	31.8	− 9.8	70	31	40	9	6	24	32	....	....	....	3.54	+ 0.8	14	6,566	ne.	40	ne.	20	11	8	12	5.9	14.6	....
St. Louis	567	208	317	29.50	30.13	+ .09	35.6	− 7.9	75	31	43	15	6	28	32	32	29	80	5.85	+ 2.4	17	7,643	ne.	34	ne.	24	11	7	13	5.8	28.8	....
Missouri Valley.							**28.6**	**− 7.5**										**78**	**3.00**	**+ 1.1**										**5.5**		
Columbia, Mo.	784	11	84	29.27	30.14	+ .11	33.4	− 8.0	72	31	42	11	9	25	36	....	....	....	6.23	+ 3.2	15	6,540	n.	28	sw.	17	7	10	14	6.7	23.4	....
Kansas City	963	161	181	29.06	30.13	+ .11	32.0	− 8.8	68	30	40	9	9	24	29	30	26	79	5.75	+ 2.9	17	9,149	n.	42	n.	24	11	6	14	5.7	40.2	....
St. Joseph	967	11	49	29.08	30.14	.....	30.9	.....	67	30	40	4	9	22	30	27	24	80	2.55	.....	9	6,269	e.	30	nw.	17	8	10	13	6.2	17.7	....
Springfield, Mo.	1,324	98	104	28.64	30.08	+ .06	37.8	− 5.7	75	19	46	14	1	30	37	35	32	82	4.47	+ 0.4	14	8,236	se.	32	w.	20	9	6	16	6.3	8.0	....
Iola	984	11	50	29.03	30.12	+ .11	34.3	− 8.1	71	30	43	10	6	26	37	....	....	....	5.18	+ 2.8	16	6,656	ne.	28	s.	16	7	9	15	6.3	19.3	....
Topeka	983	85	101	.....	.....	.....	31.6	− 9.3	70	30	40	5	6	23	31	....	....	....	3.29	+ 1.0	15	7,267	n.	34	s.	17	7	13	11	5.9	26.2	....
Lincoln	1,189	11	84	28.85	30.17	+ .15	26.4	− 9.6	69	30	35	− 2	9	18	29	24	21	80	2.06	+ 0.7	8	7,705	n.	38	ne.	14	10	6	15	6.1	21.3	....
Omaha	1,105	115	121	28.94	30.18	+ .14	27.2	− 8.8	65	30	35	4	5	20	25	24	21	80	2.50	+ 1.1	8	6,390	n.	34	n.	14	9	9	13	5.7	29.2	....
Valentine	2,598	47	54	27.34	30.17	+ .14	22.4	− 9.5	58	29	33	−15	21	12	48	20	17	79	1.26	+ 0.1	9	7,607	n.	33	nw.	17	10	15	6	4.4	12.6	T.
Sioux City	1,135	94	164	28.91	30.18	+ .13	24.2	− 8.4	60	30	32	0	21	16	30	22	19	80	2.90	+ 1.6	9	8,100	s.	36	nw.	17	12	8	11	5.1	27.3	T.
Pierre	1,572	70	75	28.47	30.21	+ .16	24.8	− 4.7	66	29	35	− 2	1	15	41	20	14	67	0.45	− 0.9	9	7,014	nw.	36	se.	3	13	9	9	4.8	5.4	....
Huron	1,306	56	67	28.74	30.20	+ .14	23.4	− 3.3	59	28	34	− 9	9	12	39	20	16	77	0.44	− 0.6	7	7,546	n.	28	nw.	25	14	10	7	4.1	3.7	T.
Yankton	1,233	49	57	28.81	30.18	+ .13	25.4	− 5.8	61	28	34	− 2	21	16	34	....	....	....	1.52	+ 0.4	10	5,944	nw.	27	nw.	17	14	7	10	4.6	16.1	T.

TABLE I.—*Climatological data for United States Weather Bureau stations, March, 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.
																								Maximum velocity.								
	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.	Miles per hour.	Direction.	Date.						
Northern Slope.							20.6	−10.4										73	1.41	+ 0.3										4.9		
Havre	2,505	11	44	27.40	30.17	+ .17	17.1	−10.2	60	28	29	−17	8	5	42	16	13	82	0.30	− 0.2	6	5,346	nw.	30	sw.	20	19	11	1	3.4	3.0	....
Miles City	2,371	26	48	27.54	30.22	+ .20	19.4	− 9.2	64	28	31	−18	9	8	44	15	11	46	1.64	+ 0.9	9	3,900	ne.	24	nw.	3	11	8	12	5.6	13.5	T.
Helena	4,221	87	114	25.76	30.11	+ .10	21.6	− 9.4	59	28	32	− 7	4	12	33	19	13	67	0.69	0.0	9	5,207	sw.	28	sw.	18	11	9	11	5.1	8.7	....
Kalispell	2,962	11	34	26.90	30.05	+ .06	28.0	− 5.0	56	28	39	3	3	17	36	24	18	68	0.37	− 0.7	6	3,325	nw.	19	n.	18	17	9	5	3.7	1.2	....
Rapid City	3,234	46	50	26.62	30.20	+ .19	22.1	− 9.5	63	29	33	− 9	20	11	38	19	14	75	1.19	+ 0.1	11	5,440	n.	31	sw.	17	15	4	12	5.0	15.5	....
Cheyenne	6,088	56	64	23.89	30.08	+ .12	23.2	− 9.8	52	19	32	− 1	20	14	41	20	16	79	1.33	+ 0.4	12	7,035	n.	48	nw.	16	7	18	6	5.3	14.3	0.9
Lander	5,372	26	36	24.56	30.13	+ .14	16.1	−15.2	48	29	28	−14	21	4	43	14	6	66	1.55	0.0	10	2,197	ne.	27	w.	18	14	11	6	4.5	15.2	4.6
Sheridan	3,790	9	47	26.09	30.17	.....	17.6	−14.2	51	28	30	−16	8	5	45	15	12	83	0.72	.....	13	4,368	nw.	31	nw.	19	12	8	11	5.0	11.7	T.
Yellowstone Park	6,200	11	48	23.73	30.06	+ .04	17.6	− 8.9	47	27	30	−14	8	6	44	15	11	76	2.57	+ 0.4	16	4,742	n.	38	s.	18	11	10	10	5.1	26.2	17.0
North Platte	2,821	11	51	27.13	30.19	+ .19	23.2	−12.1	58	29	33	− 8	15	13	45	21	18	84	3.08	+ 2.2	12	6,200	w.	26	ne.	30	8	10	13	6.3	27.8	T.
Middle Slope.							32.5	−10.0										78	1.81	+ 0.3										6.4		
Denver	5,291	129	136	24.64	30.07	+ .12	26.4	−12.3	63	18	37	− 1	1	16	38	22	16	69	0.87	− 0.1	13	5,391	n.	30	w.	18	6	15	10	5.7	12.9	....
Pueblo	4,685	80	86	25.20	30.00	+ .08	33.4	− 7.2	70	19	44	1	9	22	40	27	21	69	0.53	− 0.3	8	5,467	se.	38	w.	16	10	11	10	5.0	8.0	....
Concordia	1,398	42	50	28.62	30.15	+ .14	30.2	−10.5	71	30	38	3	9	22	31	27	24	81	1.32	− 0.2	7	5,266	n.	26	n.	14	4	11	16	7.1	10.4	....
Dodge City	2,509	11	51	27.43	30.12	+ .15	30.5	−11.2	71	30	39	2	9	22	36	27	24	82	0.97	+ 0.1	13	9,158	se.	42	nw.	14	5	8	18	7.2	11.2	....
Wichita	1,364	139	158	28.61	30.08	+ .09	33.6	−10.5	71	30	42	9	9	25	33	32	29	84	3.07	+ 0.8	13	10,584	ne.	48	nw.	14	8	7	16	6.5	16.8	....
Oklahoma	1,214	10	47	28.76	30.07	+ .09	40.9	− 8.3	86	19	49	19	9	33	42	37	34	81	4.11	+ 1.7	15	12,758	n.	44	nw.	14	9	4	18	6.8	0.5	....
Southern Slope.							48.6	− 4.6										65	0.71	− 0.3										5.8		
Abilene	1,738	10	52	28.20	30.04	+ .08	49.0	− 5.9	90	19	60	24	9	38	42	43	37	71	1.40	0.0	7	9,492	s.	38	sw.	2	7	6	18	6.8	T.	
Amarillo	3,676	10	49	26.23	30.02	+ .07	39.3	− 5.7	81	19	52	13	20	27	57	33	28	72	0.82	+ 0.2	11	10,047	n.	39	s.	13	14	10	7	4.7	3.5	
Del Rio	944	8	57	29.02	30.01	+ .06	58.7	− 3.0	85	11	70	34	22	48	41	.....	.....	.....	0.58	− 1.1	7	6,862	se.	44	nw.	14	6	15	10	6.3	.....	....
Roswell	3,578	9	57	26.30	29.96	+ .06	47.6	− 3.7	84	18	64	20	15	32	50	38	26	53	0.04	− 0.4	2	5,941	s.	38	sw.	13	8	14	9	5.3	T.	....
Southern Plateau.							47.8	− 3.2										52	1.86	+ 1.2										3.7		
El Paso	3,762	110	133	26.11	29.87	− .01	54.0	− 1.9	83	19	66	32	1	42	42	41	24	37	0.27	− 0.1	2	10,459	w.	54	w.	13	16	10	5	3.6	.....	....
Santa Fe	7,013	8	56	23.12	29.89	.00	37.6	− 1.8	58	18	48	20	22	28	29	31	24	60	1.85	+ 1.1	14	6,481	sw.	40	sw.	13	7	19	5	5.1	6.0	....
Flagstaff	6,907	8	57	23.19	29.85	− .06	33.7	− 2.2	53	25	44	3	15	23	.....	.....	.....	.....	5.23	+ 3.4	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	36.9	2.0
Phoenix	1,108	50	56	28.75	29.91	.00	58.6	− 1.9	80	5	69	39	14	48	32	49	40	56	1.96	+ 1.5	10	3,686	e.	21	sw.	10	13	10	8	4.6	.....	....
Yuma	141	9	58	29.76	29.91	− .03	60.0	− 4.5	83	19	74	36	31	46	36	49	37	49	0.78	+ 0.4	4	5,409	w.	35	s.	9	25	5	1	1.9	.....	....
Independence	3,910	11	42	25.84	29.84	− .10	43.0	− 6.6	64	31	56	22	11	30	34	36	26	57	1.10	+ 0.6	7	6,980	n.	34	n.	29	19	6	6	3.4	T.	....
Middle Plateau.							30.4	− 2.0										64	2.20	+ 0.9										6.1		
Reno	4,532	56	63	25.32	29.90	− .08	38.8	− 2.2	63	23	50	16	3	27	40	32	24	59	0.83	− 0.4	8	6,424	w.	58	w.	2	12	8	11	4.9	8.2	....
Tonopah	6,090	12	20	23.89	29.87	.....	34.8	.....	55	28	43	18	21	27	25	30	23	64	0.78	− 0.6	6	8,483	se.	40	se.	12	8	13	10	5.8	10.0	....
Winnemucca	4,344	18	56	25.48	29.91	− .10	37.4	− 2.2	65	28	50	11	3	25	42	31	23	63	0.72	− 0.2	9	5,566	ne.	32	s.	6	10	7	14	5.8	2.9	....
Modena	5,479	10	43	24.46	29.84	− .12	35.5	− 3.7	56	28	45	13	11	26	30	31	25	70	2.70	+ 1.4	16	8,450	w.	56	sw.	29	9	5	17	6.7	20.2	....
Salt Lake City	4,360	147	189	25.47	29.86	− .12	40.0	− 1.4	62	25	48	17	3	32	25	34	27	61	3.48	+ 1.5	15	5,958	nw.	37	nw.	2	6	7	18	6.6	20.5	....
Durango	6,546	18	56	23.51	29.87	− .05	36.5	− 1.0	56	18	46	12	15	27	33	30	24	67	4.51	+ 3.0	19	3,670	nw.	28	s.	30	4	15	12	6.5	17.2	....
Grand Junction	4,602	43	51	25.24	29.82	− .12	42.0	− 1.5	65	18	52	25	21	32	37	36	30	67	2.36	+ 1.6	17	3,864	se.	26	sw.	30	8	8	15	6.5	3.4	....
Northern Plateau.							38.7	− 1.6										63	1.03	− 0.5										5.6		
Baker	3,466	48	53	26.36	29.99	− .04	34.7	− 0.8	60	27	44	4	3	26	31	30	24	66	1.03	− 0.4	12	5,042	nw.	29	nw.	30	9	13	9	5.2	11.3	....
Boise	2,739	78	86	27.07	29.96	− .07	40.2	− 2.0	64	28	49	18	3	31	29	34	26	60	1.26	− 0.2	12	4,486	se.	26	nw.	20	10	7	14	5.7	4.4	....
Lewiston	757	10	51	29.20	30.03	.00	42.2	− 1.8	70	27	52	22	4	32	34	.....	.....	.....	1.04	− 0.2	10	3,374	e.	40	w.	28	10	8	13	5.6	0.1	....
Pocatello	4,477	46	54	25.34	29.92	− .09	34.4	− 2.5	59	25	44	6	4	25	31	30	24	70	1.13	− 0.6	13	5,776	se.	32	sw.	16	7	11	13	6.0	8.5	....
Spokane	1,929	101	110	27.92	30.01	.00	38.3	− 0.6	65	27	47	18	3	30	29	32	24	58	0.57	− 0.9	7	4,232	ne.	28	sw.	17	7	13	11	5.7	3.7	....
Walla Walla	1,045	107	115	28.92	30.01	− .01	42.4	− 1.6	70	27	51	22	4	34	29	36	28	60	1.14	− 0.8	10	5,158	sw.	42	sw.	18	15	4	12	5.2	2.2	....
North Pacific Coast Region.							43.9	− 0.3										74	2.23	− 2.7										4.8		
North Head	211	11	56	29.76	29.99	− .02	44.6	− 0.3	61	12	49	33	2	40	18	41	38	79	2.36	− 2.9	13	9,093	e.	60	se.	14	17	6	8	4.0	T.	....
Port Crescent	259	8	53	29.73	30.01	+ .03	39.2	− 1.3	58	25	48	24	3	30	25	.....	.....	.....	1.65	− 2.3	10	5,012	s.	38	ne.	1	11	12	8	4.7	.....	....
Seattle	205	215	250	29.89	30.02	+ .03	44.3	+ 0.1	66	31	52	32	21	37	26	40	34	72	1.79	− 1.8	10	5,973	n.	40	sw.	17	12	8	11	5.1	T.	....
Tacoma	213	113	120	29.79	30.02	+ .02	43.4	− 0.8	66	31	51	29	21	35	29	39	33	70	1.94	− 2.0	10	4,680	n.	29	sw.	17	12	9	10	5.0	T.	....
Tatoosh Island	109	7	57	29.89	29.99	− .03	44.5	+ 1.6	56	13	50	35	15	40	14	42	40	85	2.40	− 6.2	8	10,930	ne.	50	ne.	4	17	7	7	4.0	.....	....
Portland, Oreg.	153	68	106	29.82	29.98	− .04	46.4	+ 0.1	71	31	54	30	3	38	31	40	33	64	1.41	− 3.8	10	5,615	nw.	29	e.	4	11	8	12	5.5	T.	....
Roseburg	510	9	57	29.43	29.99	− .05	45.2	− 1.4	72	31	55	27	21	35	38	41	36	73	4.05	+ 0.1	15	2,320	nw.	17	w.	15	10	13	8	5.1	0.9	....
Middle Pacific Coast Region.							49.4	− 1.9										74	3.46	− 0.6										5.6		
Eureka	80	73	89	29.94	30.01	− .05	46.3	− 1.7	60	11	52	32	3	40	22	44	42	84	4.73	− 2.2	16	5,987	n.	38	n.	20	12	4	15	5.5	.....	....
Mount Tamalpais	2,375	11	18	27.47	29.96	− .10	43.4	− 3.7	62	31	49	34	12	38	20	40	36	81	3.95	− 1.2	13	13,119	nw.	72	nw.	28	8	9	14	6.1	.....	....
Point Reyes Light	490	7	18	29.41	29.92	.....	49.8	+ 0.2	61	18	54	42	9	46	13	.....	.....	.....	2.03	.....	10	15,568	nw.	80	nw.	29	5	11	15	6.6	.....	....
Red Bluff	332	50	56	29.58	29.94	− .10	51.4	− 2.4	76	31	60	34	16	43	32	45	36	62	4.80	+ 1.0	7	5,067	se.	26	nw.	20	15	5	11	4.5	.....	....
Sacramento	69	106	117	29.88	29.95	− .08	51.4	− 2.8	76	31	60	36	3	43	32	47	43	75	1.97	− 1.0	6	7,426	s.	39	se.	12	12	6	13	5.1	.....	....
San Francisco	155	200	204	29.80	29.97	− .09	52.4	− 0.3	67	18	57	43	9	48	17	46	41	70	4.10	+ 1.0	10	6,010	w.	49	ne.	21	10	9	12	5.8	.....	....
San Jose	141	12	110	29.82	29.97	.....	51.4	− 2.3	70	31	61	34	22	41	36	.....	.....	.....	2.80	− 0.2	11	3,155	nw.	23	se.	12	7	11	13	6.0	.....	....
Southeast Farallon	30	9	17	29.94	29.98	.....	51.0	.....	56	14	54	45	12	48	9	.....	.....	.....	1.85	− 1.3	8	10,942	nw.	58	se.	11	10	9	12	5.5	.....	....
South Pacific Coast Region.							53.3	− 1.8										75	5.34	+ 2.8										6.2	.....	....
Fresno	330	62	70	29.61	29.97	− .04	53.2	− 1.7	72	31	62	37	9	44	30	47	40	67	3.02	+ 1.3	11	3,406	w.	22	se.	12	7	11	13	6.1	.....	....
Los Angeles	338	159	191	29.61	29.98	− .04	54.2	− 1.4	68	18	61	43	13	48	21	49	45	74	6.99	+ 4.0	13	5,487	ne.	34	se.	9	6	12	13	6.1	.....	....
San Diego	87	94	102	29.90	30.00	− .02	55.2	− 1.0	71	5	61	45	22	49	19	51	48	80	5.72	+ 4.0	20	5,629	nw.	43	se.	9	9	10	12	5.5	.....	....
San Luis Obispo	201	47	54	29.79	30.01	− .05	50.6	− 3.2	67	18	58	35	11	43	28	47	44	79	5.65	+ 1.7	13	3,941	nw.	26	s.	5	4	8	19	7.1	.....	....
West Indies.																																
San Juan	82	48	90	29.96	30.05	+ .03	76.6	.....	87	9	83	69	19	71	18	.....	.....	.....	2.87	− 0.3	19	8,145	e.	31	e.	14	15	11	5	4.2	.....	....
Panama.																																
Ancon	92	6	69	27.75	29.84	.....	83.0	.....	96	7	94	69	12	72	24	73	71	77	0.01	− 0.8	1	8,965	nw.	30	nw.	1	3	26	2	5.6	.....	....
Culebra	404	5	62	29.44	29.85	.....	80.4	.....	92	7	89	68	12	72	23	72	70	79	0.02	− 0.7	1	8,893	nw.	35	n.	4	9	22	0	4.1	.....	....
Colon	10	5	71	29.87	29.88	.....	82.4	.....	88	29	87	76	11	78	11	75	73	79	0.66	− 1.0	11	12,550	n.	33	ne.	5	13	16	2	4.4	.....	....

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 March, 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	27			0.57														0.35			
Albany, N. Y	13			0.66														0.24			
Alpena, Mich	31			0.10														(*)			
Amarillo, Tex	22–23			0.30														(*)			
Anniston, Ala	14–15	11.15 a.m.	D. N. a.m.	2.59	9.58 p.m.	10.10 p.m.	2.10	0.19	0.34	0.39											
Asheville, N. C	15			1.12														0.36			
Atlanta, Ga	14–15	1.40 p.m.	6.15 a.m.	5.50	11.21 p.m.	12.58 a.m.	1.96	0.13	0.25	0.40	0.63	0.86	1.05	1.54	1.66	1.78	1.88	2.26	2.78	3.57	
Atlantic City, N. J	15			2.14														0.45			
Augusta, Ga	23–24	5.00 p.m.	8.45 a.m.	1.22	7.31 a.m.	8.02 a.m.	0.15	0.17	0.25	0.44	0.55	0.69	0.98	1.01							
Baker, Oreg	24			0.38														(*)			
Baltimore, Md	29			1.45														0.43			
Bentonville, Ark	20			0.45														0.37			
Binghamton, N. Y	21			0.86														(*)			
Birmingham, Ala	28	7.32 a.m.	8.35 p.m.	2.56	4.48 p.m.	4.58 p.m.	1.99	0.23	0.41												
Bismarck, N. Dak	3			0.46														(*)			
Block Island, R. I	15	9.22 a.m.	11.35 p.m.	3.03	3.10 p.m.	4.06 p.m.	1.50	0.11	0.18	0.29	0.42	0.55	0.63	0.67	0.72	0.79	0.84	0.92			
Boise, Idaho	15			0.37																	
Boston, Mass	29			0.93														0.30			
Buffalo, N. Y	15			0.83														(*)			
Burlington, Vt	15			0.81														(*)			
Cairo, Ill	21			1.24														0.30			
Canton, N. Y	15			0.78														(*)			
Charles City, Iowa	20			0.48														(*)			
Charleston, S. C	29			0.38														0.36			
Charlotte, N. C	14–15	9.32 p.m.	1.57 p.m.	4.40	4.57 a.m.	5.57 a.m.	*1.81	0.14	0.18	0.30	0.41	0.43	0.44	0.48	0.56	0.64	0.68	0.81			
Chattanooga, Tenn	28			3.74														0.54			
Cheyenne, Wyo	19–20			0.38														(*)			
Chicago, Ill	14–15			1.08														(*)			
Cincinnati, Ohio	19			0.54														0.27			
Cleveland, Ohio	28–29			0.69														(*)			
Columbia, Mo	27–28			1.60														(*)			
Columbia, S. C	24			0.57														0.39			
Columbus, Ohio	23–24			1.26														(*)			
Concord, N. H	12–13			1.65														(*)			
Concordia, Kans	2			0.42														(*)			
Corpus Christi, Tex	11			0.29														0.18			
Davenport, Iowa	20–21			0.92														(*)			
Dayton, Ohio	29			0.82														0.29			
Del Rio, Tex	27			0.28														(*)			
Denver, Colo	19–20			0.43														(*)			
Des Moines, Iowa	20			1.28														(*)			
Detroit, Mich	14–15			1.18														(*)			
Devils Lake, N. Dak	3–4			0.07														(*)			
Dodge City, Kans	23			0.50														(*)			
Dubuque, Iowa	20–21			0.89														(*)			
Duluth, Minn	17			0.28														(*)			
Durango, Colo	9–10			1.38														(*)			
Eastport, Me	15			1.03														0.35			
Elkins, W. Va	14–15			1.26†														(*)			
El Paso, Tex	10			0.21														0.11			
Erie, Pa	28–29			0.77														(*)			
Escanaba, Mich	17			0.38														(*)			
Eureka, Cal	14–15			1.10														0.34			
Evansville, Ind	21			0.94														0.25			
Flagstaff, Ariz	9–10			1.59														(*)			
Fort Smith, Ark	31			0.77														0.26			
Fort Wayne, Ind	14–15			0.71														(*)			
Fort Worth, Tex	22			0.88														0.45			
Fresno, Cal	21			0.45														0.29			
Galveston, Tex	11			0.84														0.18			
Grand Haven, Mich	14–15			0.50														(*)			
Grand Junction, Colo	19–20			0.55														(*)			
Grand Rapids, Mich	20–21			0.53														(*)			
Green Bay, Wis	31			0.33														(*)			
Hannibal, Mo	28			0.69														(*)			
Harrisburg, Pa	29			0.65														0.24			
Hartford, Conn	15			1.46														0.43			
Hatteras, N. C	15			0.49														0.29			
Havre, Mont	18			0.18														(*)			
Helena, Mont	29			0.18														(*)			
Houghton, Mich	17			0.20														(*)			
Houston, Tex	11			0.79														0.40			
Huron, S. Dak	20			0.21														(*)			
Independence, Cal	26–27			0.53														(*)			
Indianapolis, Ind	20–21			1.95														(*)			
Iola, Kans	23–24			1.80														0.29			
Jacksonville, Fla	12			1.41														0.44			
Kalispell, Mont	25			0.17														(*)			
Kansas City, Mo	23–24			2.63														(*)			
Keokuk, Iowa	2–3			0.58														(*)			
Key West, Fla	16	D. N. a.m.	D. N. a.m.	0.94	2.19 a.m.	2.56 am.	0.03	0.08	0.21	0.36	0.49	0.57	0.61	0.73	0.79						
Knoxville, Tenn	28			2.75														0.42			
La Crosse, Wis	20–21			0.50														(*)			
Lander Wyo	29–30			0.54														(*)			
Lansing, Mich	14–15			0.88														(*)			
La Salle, Ill	20–21			0.60														(*)			
Lewiston, Idaho	6			0.40														0.15			
Lexington, Ky	24			0.78														0.40			
Lincoln, Nebr	13–14			0.51†														(*)			
Little Rock, Ark	4–5			2.02														0.50			
Los Angeles, Cal	12			1.44														0.60			
Louisville, Ky	23			0.84														0.33			
Lynchburg, Va	28–29	5.50 p.m.	6.50 a.m.	2.49	2.50 a.m.	3.00 a.m.	1.63	0.14	0.36												
Macon, Ga	15	D. N. a.m.	6.32 a.m.	1.44	2.56 a.m.	3.07 a.m.	0.35	0.08	0.37	0.44											
Do	24	D. N. a.m.	D. N. a.m.	1.45	4.52 a.m.	5.25 a.m.	0.31	0.16	0.51	0.60	0.73	0.89	1.01	1.08							
Madison, Wis	14			0.65														(*)			
Marquette, Mich	17			0.21														(*)			
Memphis, Tenn	23			2.91														0.65			
Meridian, Miss	28	5.10 a.m.	6.28 p.m.	3.32	10.21 a.m.	10.52 a.m.	0.95	0.05	0.12	0.24	0.58	0.76	0.90	0.92							

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 March, 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.
Miami, Fla	16	D. N. a. m.	5.55 a. m.	1.25	3.49 a. m.	4.10 a. m.	0.08	0.17	0.45	0.59	0.71	0.74									
Do	18	10.55 a. m.	12.40 p. m.	0.81	11.00 a. m.	11.34 a. m.	0.01	0.12	0.23	0.33	0.44	0.58	0.67	0.72							
Do	24	9.45 p. m.	10.35 p. m.	0.56	10.10 p. m.	10.23 p. m.	0.01	0.21	0.50	0.55											
Milwaukee, Wis	20-21			0.79														(*)			
Minneapolis, Minn	4			0.17														(*)			
Mobile, Ala	5	6.53 a. m.	11.10 a. m.	1.46	9.46 a. m.	10.26 a. m.	0.35	0.08	0.14	0.19	0.21	0.24	0.31	0.49	0.76						
					4.47 p. m.	5.00 p. m.	0.23	0.13	0.41	0.46											
Do	11	3.35 p. m.	9.35 p. m.	1.96	7.56 p. m.	8.37 p. m.	1.16	0.15	0.28	0.37	0.41	0.47	0.57	0.63	0.72						
Modena, Utah	9-10			1.25														(*)			
Montgomery, Ala	14-15	10.18 a. m.	3.30 a. m.	5.06	3.06 p. m.	4.16 p. m.	0.91	0.09	0.20	0.27	0.37	0.53	0.58	0.65	0.77	0.83	0.86	1.00	1.20		
					9.51 p. m.	10.45 p. m.	2.81	0.06	0.25	0.74	0.89	1.02	1.27	1.42	1.56	1.77	1.90	1.96			
Moorhead, Minn	3-4			0.08														(*)			
Mount Tamalpais, Cal	5			1.34														0.40			
Mount Weather, Va	28-29			1.08														(*)			
Nantucket, Mass	29			1.16														0.31			
Nashville, Tenn	14			1.75														0.41			
New Haven, Conn	15			2.03														(*)			
New Orleans, La	11	5.10 a. m.	9.10 a. m.	2.52	6.52 p. m.	7.22 p. m.	1.67	0.05	0.13	0.29	0.46	0.73	0.80								
Do	22	3.20 p. m.	8.45 p. m.	4.10	5.05 p. m.	5.32 p. m.	0.07	0.10	0.28	0.55	0.91	1.35	1.40								
					6.02 p. m.	6.52 p. m.	1.57	0.09	0.14	0.24	0.32	0.48	0.69	0.83	0.90	1.00	1.06				
					6.52 p. m.	7.42 p. m.		1.11	1.13	1.28	1.41	1.52	1.71	1.82	1.99	2.02	2.03				
					7.42 p. m.	8.16 p. m.		2.03	2.07	2.15	2.29	2.31	2.39	2.45							
Do	23	2.20 p. m.	11.30 p. m.	2.17	7.12 p. m.	7.39 p. m.	0.30	0.11	0.28	0.46	0.68	1.09	1.22								
New York, N. Y	29			1.15														0.54			
Norfolk, Va	24-25	D. N. p. m.	7.30 a. m.	0.71	4.00 a. m.	4.19 a. m.	0.03	0.06	0.20	0.34	0.44										
Do	29	7.20 a. m.	11.20 a. m.	0.98	8.12 a. m.	8.31 a. m.	0.08	0.16	0.32	0.39	0.51										
Northfield, Vt	12-13			0.80														(*)			
North Head, Wash	15			1.02														0.35			
North Platte, Nebr	19-20			1.49														(*)			
Oklahoma	27-28			2.12														(*)			
Omaha, Nebr	20			0.72														(*)			
Oswego, N. Y	15			1.02														(*)			
Palestine, Tex	4-5	4.35 p. m.	D. N. a. m.	2.46	9.28 p. m.	10.08 p. m.	0.76	0.11	0.26	0.38	0.40	0.43	0.49	0.56	0.62						
Parkersburg, W. Va	14-15			0.95														0.28			
Pensacola, Fla	14	8.25 a. m.	12.20 p. m.	1.05	10.47 a. m.	11.16 a. m.	0.35	0.08	0.16	0.37	0.44	0.49	0.61								
Do	14-15	11.45 p. m.	4.45 a. m.	4.12	12.03 a. m.	1.52 a. m.	0.05	0.07	0.15	0.48	0.87	1.27	1.40	1.54	1.68	1.79	1.96	2.38	3.44	3.67	3.96
Do	22	7.30 a. m.	8.15 a. m.	0.82	7.36 a. m.	7.58 a. m.	0.03	0.15	0.44	0.65	0.73	0.78									
Peoria, Ill	20-21			0.80														(*)			
Philadelphia, Pa	11-13	11.10 p. m.	1.30 a. m.	2.65	9.36 p. m. §	10.23 p. m. §	1.61	0.05	0.19	0.28	0.32	0.37	0.45	0.57	0.70	0.77	0.82				
Do	15	D. N a. m.	7.00 p. m.	2.79	1.52 p. m.	2.20 p. m.	1.18	0.09	0.28	0.38	0.42	0.49	0.57								
					3.20 p. m.	4.00 p. m.	1.95	0.06	0.23	0.33	0.38	0.48	0.56	0.64	0.72						
Phoenix, Ariz	9			0.98														0.18			
Pierre, S. Dak	20			0.19														(*)			
Pittsburgh, Pa	20-21			1.08														(*)			
Pocatello, Idaho	2-3			0.51														(*)			
Point Reyes Light, Cal	12			0.77														0.26			
Port Huron, Mich	14-15			0.88														(*)			
Portland, Me	13			2.54														0.55			
Portland, Oreg	14			0.19														0.11			
Providence, R. I	15			1.45														0.09			
Pueblo, Colo	7-8			0.25														(*)			
Raleigh, N. C	29	D. N. a. m.	8.55 a. m.	1.45	5.59 a. m.	6.48 a. m.	0.50	0.08	0.24	0.50	0.61	0.68	0.72	0.74	0.81	0.88	0.92				
Rapid City, S. Dak	1-2			0.33														(*)			
Red Bluff, Cal	5			1.64														0.29			
Reno, Nev	29			0.28														(*)			
Richmond, Va	15	2.30 a. m.	4.45 p. m.	3.11	9.46 a. m.	10.31 a. m.	1.53	0.15	0.26	0.35	0.38	0.43	0.47	0.59	0.70	0.82					
Rochester, N. Y	15			0.82														(*)			
Roseburg, Oreg	15			1.18														0.21			
Roswell, N. Mex	27			0.03														0.02			
Sacramento, Cal	5			0.78														0.19			
St. Joseph, Mo	10-11			0.79														(*)			
St. Louis, Mo	23-24			2.03														(*)			
St. Paul, Minn	3-4			0.15														(*)			
Salt Lake City, Utah	29-30			0.80														(*)			
San Antonio, Tex	22			0.74														0.45			
San Diego, Cal	1	3.00 a. m.	5.25 a. m.	0.74	3.58 a. m.	4.24 a. m.	0.02	0.20	0.34	0.40	0.52	0.59	0.61								
Sand Key, Fla	12-13	11.45 p. m.	1.10 a. m.	0.78	12.19 a. m.	12.47 a. m.	0.01	0.06	0.11	0.26	0.40	0.69	0.77								
Do	16	1.35 a. m.	4.20 a. m.	2.35	2.18 a. m.	3.16 a. m.	0.15	0.14	0.19	0.44	0.86	1.25	1.52	1.60	1.77	1.92	1.98	2.12			
Sandusky, Ohio	14-15			2.93														(*)			
San Francisco, Cal	4-5	8.00 p. m.	10.00 p. m.	2.09	6.02 a. m.	6.25 a. m.	0.34	0.10	0.28	0.53	0.72	0.77									
San Jose, Cal	5			0.77														0.18			
San Luis Obispo, Cal	12			2.05														0.38			
Santa Fe, N. Mex	9-10			0.65														(*)			
Sault Ste. Marie, Mich	7-8			0.07														(*)			
Savannah, Ga	24			0.91														0.65			
Scranton, Pa	21			2.10														(*)			
Seattle, Wash	28			0.51														0.22			
Sheridan, Wyo	18-19			0.22														(*)			
Shreveport, La	14	10.00 a. m.	3.00 p. m.	0.73	11.48 a. m.	12.09 p. m.	0.06	0.07	0.16	0.35	0.41	0.47									
Do	28	6.15 a. m.	10.50 a. m.	1.46	7.06 a. m.	7.52 a. m.	0.16	0.11	0.13	0.17	0.21	0.31	0.54	0.72	0.84	0.97	1.02				
Sioux City, Iowa	20			1.39														(*)			
Southeast Farallon, Cal	12			0.79														0.33			
Spokane, Wash	14-15			0.40														(*)			
Springfield, Ill	20			1.55														(*)			
Springfield, Mo	20-21			1.22														(*)			
Syracuse, N. Y	21-22			0.65														(*)			
Tacoma, Wash	18			0.39														0.15			
Tampa, Fla	5-6	9.05 p. m.	D. N. a. m.	0.55	9.08 p. m.	9.23 p. m.	0.01	0.09	0.26	0.42											
Do	17	5.05 p. m.	7.30 p. m.	1.68	5.53 p. m.	6.30 p. m.	0.20	0.27	0.47	0.69	0.79	0.93	1.15	1.27							
Do	29	4.15 p. m.	5.00 p. m.	0.44	4.36 p. m.	4.43 p. m.	0.01	0.30	0.42												
Tatoosh Island, Wash	15			1.21														0.21			
Taylor, Tex	4-5	9.40 p. m.	D. N. a. m.	0.70	11.09 p. m.	11.29 p. m.	0.15	0.05	0.26	0.41	0.47										
Thomasville, Ga	15	4.20 a. m.	7.52 a. m.	1.17	7.11 a. m.	7.36 a. m.	0.24	0.07	0.21	0.39	0.67	0.90									
Do	24	5.25 a. m.	8.32 a. m.	1.02	6.14 a. m.	6.54 a. m.	0.10	0.12	0.21	0.25	0.27	0.38	0.50	0.74	0.82						
Titusville, Fla	6			1.14																	
Toledo, Ohio	14-15			1.29														(*)			
Tonopah, Nev	9-10			0.68														(*)			
Topeka, Kans	23-24			0.95														(*)			
Valentine, Nebr	19-20			0.80														(*)			
Vicksburg, Miss	22	11.05 a. m.	5.00 p. m.	1.12	4.23 p. m.	4.54 p. m.	0.58	0.05	0.10	0.21	0.32	0.41	0.51	0.54							
Do	28	D. N. a. m.	12.15 p. m.	1.15	11.02 a. m.	11.17 a. m.	0.46	0.30	0.53	0.60											

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 any 5 minutes, or 0.80 in 1 hour, during March, 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.
Walla Walla, Wash	6-7			0.30														(*)			
Washington, D. C	29			1.64														0.40			
Wichita, Kans	23-24			1.46														(*)			
Williston, N. Dak	2-3			0.17														(*)			
Wilmington, N. C	24			0.60														0.48			
Winnemucca, Nev	12-13			0.31														(*)			
Wytheville, Va	29			0.74														0.51			
Yankton, S. Dak	20			0.71														(*)			
Yellowstone Park, Wyo	1-2			0.68														(*)			

§ March 12. * Self-register not working. † Record incomplete. ‡ No precipitation occurred during month.

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

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.	Snowfall.
St. Johns, N. F	29.88	30.02	+.14	27.0	− 0.7	33.3	20.6	50	− 7	2.34	−2.42	6.4
Sydney, C. B. I	29.94	29.98	+.10	27.7	+ 1.5	35.9	19.4	51	− 2	5.86	+0.93	20.0
Halifax, N. S	29.91	30.02	+.08	30.0	+ 1.0	37.7	22.2	50	0	6.69	+1.23	20.2
Grand Manan, N. B	29.97	30.02	+.09	30.4	+ 0.6	37.7	23.2	52	9	3.31	−0.97	7.3
Yarmouth, N. S	29.98	30.05	+.10	31.0	+ 0.2	37.1	24.9	50	3	3.24	−1.61	6.4
Charlottetown, P. E. I	29.94	29.98	+.08	25.9	+ 0.5	33.5	18.4	48	−10	2.79	−0.42	13.7
Chatham, N. B	29.99	30.02	+.12	24.9	+ 1.9	34.7	15.1	48	−11	3.72	+0.25	15.2
Father Point, Que	29.98	30.01	+.11	20.6	+ 0.3	28.1	13.2	38	− 3	3.51	+0.78	31.6
Quebec, Que	29.73	30.07	+.11	19.1	− 2.1	28.3	9.9	44	−11	2.23	−1.03	20.5
Montreal, Que	29.90	30.12	+.12	21.5	− 2.3	28.4	14.7	42	− 7	1.82	−1.97	14.8
Stonecliffe, Que	29.48	30.11	+.10	16.3	− 2.7	31.2	1.4	45	−30	0.58	−1.48	5.8
Ottawa, Ont	29.87	30.22	+.21	19.0	− 2.5	29.2	8.7	44	−17	1.50	−1.22	15.0
Kingston, Ont	29.84	30.18	+.17	22.3	− 3.3	31.3	13.3	45	− 8	1.63	−1.01	11.0
Toronto, Ont	29.76	30.16	+.14	25.7	− 1.6	33.3	18.0	49	4	1.97	−0.67	18.6
White River, Ont	28.73	30.11	+.08	7.5	− 4.7	25.4	−10.4	36	−39	1.20	−0.18	12.0
Port Stanley, Ont	29.45	30.12	+.09	24.7	− 2.5	32.9	16.5	45	1	1.69	−1.19	6.7
Southampton, Ont	29.43	.....	.....	19.3	− 5.4	30.0	8.8	44	−21	2.17	−0.48	21.4
Parry Sound, Ont	29.43	30.17	+.15	18.7	− 2.4	30.4	7.0	48	−18	1.70	−0.53	17.0
Port Arthur, Ont	29.42	30.16	+.11	15.2	− 1.6	27.9	2.4	45	−14	0.36	−0.61	3.6
Winnipeg, Man	29.32	30.19	+.10	15.3	+ 3.0	27.7	2.8	42	−18	0.30	−0.73	2.9
Minnedosa, Man	28.25	30.17	+.11	9.8	− 2.7	21.9	−2.2	38	−26	0.69	+0.04	6.6
Qu' Appelle, Sask	27.76	30.13	+.09	9.4	− 5.5	21.3	−2.4	42	−28	0.68	−0.09	6.8
Medicine Hat, Alberta	27.73	30.10	+.10	17.5	−10.0	30.7	4.3	61	−18	0.31	−0.45	3.1
Swift Current, Sask	27.47	30.20	+.18	12.0	−10.0	22.4	1.6	50	−22	0.10	−0.71	1.0
Calgary, Alberta	26.40	30.07	+.12	22.0	− 4.2	34.7	9.3	60	−16	0.34	−0.38	3.4
Banff, Alberta	25.32	30.09	+.15	20.8	+ 0.6	36.3	5.3	51	−21	0.32	−1.09	3.2
Edmonton, Alberta	27.70	30.07	+.11	23.7	− 0.5	38.6	8.8	58	−17	0.40	−0.32	2.9
Prince Albert, Sask	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Battleford, Sask	28.32	30.16	+.10	11.1	− 2.0	23.2	−1.0	53	−27	0.20	−0.26	2.0
Kamloops, B. C	28.70	30.00	+.08	33.8	− 2.3	46.6	20.9	66	8	0.00	−0.57	0.0
Victoria, B. C	29.90	30.00	+.03	42.6	+ 0.7	50.7	34.4	60	27	1.43	−1.69	0.0
Barkerville, B. C	25.60	29.98	+.10	25.2	− 0.9	37.8	12.7	50	− 9	1.10	−0.79	11.0
Dawson, Yukon	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hamilton, Bermuda	30.09	30.26	+.18	64.0	+ 1.8	69.3	58.6	74	51	4.82	−0.31	0.0