

CLIMATOLOGICAL DATA

15 MARYLAND AND DELAWARE SECTION

J. R. WEEKS

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GENERAL SUMMARY

This March was the coldest since 1896, but there was no severe cold. It was windy. The weather was cold, except mild on the 3d, 10-11th, 20-24th, 27-28th, and 31st. Monthly sunshine was normal. There was no damage by wind.

Monthly precipitation totals were between 2 and 3 inches, except slightly below 2 inches and slightly above 3 inches in some localities. For the section precipitation averaged five-eighths of normal, the least in March since 1937.

Monthly snowfall for Maryland was the greatest in March since 1914 and for Delaware since 1934. Totals were 4 to 10 inches over the southern portion and 10 to 19 inches over the northern portion of the section, except 19 to 30 inches in the Allegheny Mountain region. The snow of February 28 ended before day of March 1. A snowstorm overspread the section on the 7th; it continued on the 8th and ended on the 9th in the western half of the section; it gave way to rain at night of the 7th over the southern third of the section and to rain, some sleet, and some snow on the 8th followed by light snow on the 9th over the eastern half of the section. Snow depths were moderate to heavy over the southern portion and heavy, 10 to 17 inches, over the northern portion of the section.

Light snow fell in the Allegheny Mountain region and snow flurries occurred eastward to Carroll County on the 11th, 12th, and 25th. Light snow fell over the section on the 13th and 29th and in the Allegheny Mountain region on the 16th, 17th, and 18th. Snow flurries occurred on the 17th between the Allegheny Mountains and the Atlantic Coast.

During the third decade winter grains and grasses were greening, except remained brown in the Allegheny Mountain region; plowing was in progress in the eastern and central divisions; planting early potatoes and peas and sowing oats and clover began on the Eastern Shore; and peach trees were budding in the southern counties. — J. B., jr.

TEMPERATURE

The monthly mean for the section, 36.8°, is 5.8° below normal. The highest monthly mean was 40.6° at Crisfield; the lowest, 25.6°, at Mt. Savage Summit. The highest temperature, 70°, occurred at Annapolis on the 3d; the lowest, 8° below zero, at Oakland on the 2d. The greatest local monthly range was 66° at Oakland; the least, 35°, at Delaware Breakwater. The greatest daily range was 48° at Oakland and Sines on the 2d.

PRECIPITATION

The monthly average for the section, 2.26 inches, is 1.32 inches below normal. The greatest monthly amount was 3.20 inches at Friendsville; the least, 1.26 inches, at Delaware Breakwater. The greatest 24-hour amount was 1.82 inches at Pocomoke City on the 7-8th. The monthly average snowfall for the section, 12.1 inches, is 7.4 inches above normal. The greatest 24-hour snowfall was 12.0 inches at Edgemont and Frederick on the 7-8th. The average number of days with 0.01 inch or more of precipitation, 8, is 2 below normal.

MISCELLANEOUS PHENOMENA (WITH DATES)

Fogs, light: 7, 8, 9, 11, 13, 15, 16, 24, 25. Fogs, dense: 8, 11, 16, 24, 25. Frogs, first heard: Clear Spring, 23; Princess Anne, 27. Geese going north: Princess Anne, 18. Glaze: Northern portion of section, 8. Halos, lunar: 6, 9, 10, 12. Halos, solar: 1, 6, 10, 23, 26, 27, 28, 29. Robins, first seen: Clear Spring, 16; Ferry Landing, 14; Oxford, 11; Princess Anne, 22. Sleet, light: 7, 8. Sundogs: Chestertown, 31; Chewsville, 11. Winds high: 1, 4, 5, 8, 12, 17, 18, 19, 25, 29, 30.

PRESSURE, HUMIDITY, SUNSHINE, WIND, DEGREE DAYS

Stations	Atmospheric pressure reduced to sea level			Wind			Mean relative humidity			Percentage of sunshine	Heating degree days (base 65°)		
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.			1:30 p. m.	7:30 p. m.
Aberdeen, Md.	30.43	7	29.39	9	10.9	28	n.	1	67	..	57	869	
Annapolis, Md.	30.44	7	29.42	8	10.4	66	..	63	860	
Baltimore, Md.	30.45	7	29.41	8	12.5	40	sw.	1	65	46	57	771	
Elkins, W. Va.	30.41	18	29.52	9	7.3	29	w.	12	81	59	65	1023	
Harrisburg, Pa.	30.45	7	29.42	9	9.3	35	nw.	18	63	48	56	885	
Norfolk, Va.	30.35	7	29.42	8	11.6	30	nw.	29	72	48	64	648	
Philadelphia, Pa.	30.46	7	29.40	9	14.5	38	n.	1	71	52	62	856	
Pittsburgh, Pa.	30.57	22	29.47	3	11.9	34	nw.	16	78	57	63	41	983
Washington, D. C.	30.45	7	29.39	8	9.2	28	nw.	4	60	40	44	61	779

COMPARATIVE DATA FOR MARCH

Year	FOR MARYLAND					FOR DELAWARE						
	Temperature			Precipitation		Temperature			Precipitation			
	Mean	Highest	Lowest	Average	Average snowfall	No. of days with .01 in. or more	Mean	Highest	Lowest	Average	Average snowfall	No. of days with .01 in. or more
1895	39.8	74	-7	2.94	3.5	9	40.9	69	19	3.61	1.2	9
1896	36.4	72	-13	4.38	14.4	10	38.2	74	12	4.74	3.7	8
1897	44.4	82	12	2.93	0.7	10	44.5	80	20	2.72	T.	8
1898	47.5	84	7	3.80	3.0	11	48.2	78	22	2.67	1.0	9
1899	40.9	77	1	4.79	3.7	11	42.0	72	20	5.32	3.4	11
1900	37.3	74	-8	3.23	13.2	9	38.4	69	6	3.72	6.0	10
1901	42.6	81	9	3.50	1.9	9	42.7	74	8	6.00	0.6	7
1902	44.7	80	3	3.92	10.5	10	46.2	75	16	3.74	3.5	10
1903	49.2	85	15	5.12	0.2	10	49.9	79	28	6.10	0.0	9
1904	41.2	87	-5	2.99	2.0	10	41.2	74	17	3.42	1.4	10
1905	45.4	88	-15	3.16	2.2	10	44.4	83	11	3.12	0.6	11
1906	36.7	68	8	4.83	11.3	13	38.5	63	14	6.11	4.3	13
1907	46.1	83	2	3.30	6.5	9	46.1	88	16	2.99	4.8	9
1908	45.7	85	11	3.16	0.6	10	47.6	83	22	1.74	0.8	9
1909	40.2	80	9	3.69	7.6	11	41.8	75	17	3.82	2.5	10
1910	49.0	89	14	1.11	2.1	11	49.3	86	22	2.58	3.0	5
1911	39.8	77	-5	2.56	9.3	12	40.6	74	6	3.10	7.0	10
1912	39.5	78	7	6.89	7.7	13	41.1	72	16	7.16	7.9	12
1913	47.2	83	-6	4.56	0.7	10	49.1	80	13	3.86	T.	10
1914	37.8	80	-14	2.40	15.4	10	38.6	75	4	3.02	18.5	10
1915	36.6	64	3	1.14	4.4	5	38.8	62	19	1.26	1.7	3
1916	35.9	78	-3	3.88	4.5	10	35.9	69	8	3.51	5.8	10
1917	41.1	82	-5	5.34	10.2	13	41.7	76	17	6.26	0.9	13
1918	45.6	84	8	3.61	0.1	9	44.8	80	17	3.48	T.	9
1919	45.8	76	-14	3.87	0.6	10	46.4	78	24	4.63	0.1	10
1920	43.2	85	-1	3.00	2.7	9	43.6	75	11	3.86	1.7	9
1921	53.6	91	-14	2.35	T.	11	54.6	88	23	2.51	0.5	11
1922	44.2	80	11	4.70	2.2	13	44.0	76	19	4.42	0.2	12
1923	43.3	82	-6	4.23	5.8	11	44.0	80	13	5.60	4.5	12
1924	40.7	77	-11	4.98	12.2	10	41.7	76	22	5.34	1.7	10
1925	44.8	82	-3	2.25	0.4	9	46.6	79	9	2.28	T.	8
1926	38.0	80	-8	2.21	2.1	10	39.3	80	10	2.30	0.5	9
1927	45.4	84	10	1.72	0.1	9	45.6	82	18	1.92	T.	10
1928	41.7	83	7	2.97	7.0	10	42.2	82	14	2.81	0.6	11
1929	48.0	86	4	3.14	1.3	10	49.7	81	11	3.39	T.	11
1930	42.2	77	4	2.16	1.6	7	43.7	76	18	2.00	T.	12
1931	39.1	65	-14	4.28	7.4	13	40.6	64	25	5.24	7.4	7
1932	38.2	75	-4	5.70	5.7	10	40.1	70	12	6.46	1.8	10
1933	40.1	79	0	4.40	3.2	13	41.8	80	16	3.15	1.2	13
1934	39.7	78	-10	4.35	11.7	14	40.1	75	6	5.26	13.4	14
1935	47.6	86	10	2.99	1.8	14	47.9	77	19	3.25	0.4	13
1936	47.0	83	15	5.87	3.0	12	48.9	76	20	5.60	T.	12
1937	39.4	74	1	1.96	9.7	8	39.8	69	15	2.56	3.5	9
1938	46.9	88	6	2.74	3.8	14	46.9	82	8	2.60	3.2	13
1939	43.9	90	-6	3.74	0.8	11	44.4	84	17	5.10	1.3	14
1940	38.1	75	1	3.84	2.3	10	38.6	71	14	4.64	1.2	12
1941	36.7	70	-8	2.25	12.7	8	37.3	63	13	2.36	8.4	8
Period	42.5	93	-15	3.54	5.0	10	43.4	88	4	3.81	2.8	10

Climatological Data for March 1941

Table with columns: STATIONS, COUNTIES, Elevation, Length of record, Temperature (Mean, Departure from normal, Highest, Date, Lowest, Date, Greatest daily range), Precipitation (Total, Departure from normal, Greatest in 24 hours, Total snowfall, With precip. 0.01 in. or more), Number of days (Clear, Partly cloudy, Cloudy), Prevailing direction of wind, OBSERVERS.

The departures from normal temperatures are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used.

Post addresses of these stations are as follows: Of Bell, Glendale; of Coleman, Worton; of Fallston, Bagley; of Ferry Landing, Owings; of Great Falls, Bethesda; of Mt. Savage Summit, Frostburg; of Odessa, Middletown; of Picaudy, Paw Paw, W. Va.; of Pleasant Hill, Owings Mills; of Prettyboy Dam, Parkton; of Sines, Oakland; of Tonoloway, Hancock. *Custom House, Gay and Water Sts. **Weather Bureau Building, 24th and M Sts. †Also on other dates. ‡2 miles northwest of Frostburg. §Municipal Building. ¶Porter Reservoir. ||Water Pumping Station. |||University Farm.

Daily Precipitation for March 1941

Table with columns for Stations, Drainage basin, Day of month (1-31), and Total. Rows list various stations in Maryland and Delaware with their respective precipitation amounts for each day.

Except as otherwise indicated, observations are generally made late in afternoon, near sunset, and precipitation recorded is for the 24 hours ending at time of observation.
1 First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.
2 Precipitation is for 24-hour period, midnight to midnight.
3 Precipitation is for 24-hour period, 9:30 p.m. to 9:30 p.m.
4 Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours.
5 Precipitation is measured at 1:30 a.m.; amount then recorded is entered on preceding day.
6 Precipitation is measured with recording gage.
7 Precipitation is included in the next measurement.
T. Trace, or precipitation is less than .01 inch.
8 Two miles northwest of Frostburg.
9 Municipal Building.
10 Porter Reservoir.
11 Water Pumping Station.
12 University Farm.

Daily Temperatures for March 1941

Table with columns for Stations, Day of month (1-31), and Mean. Rows list various stations in Maryland and Delaware with their maximum and minimum temperatures for each day.

Daily Temperatures for March 1941 - Continued

Table with columns for Stations, 1-31, and Mean. Rows list various Maryland locations such as Aberdeen, Annapolis, Baltimore, etc., with their respective daily temperature readings.

Instruments are read in morning; maximum temperature then read is charged to preceding day, on which it almost always occurs. Temperatures at Aberdeen, Annapolis, Baltimore, Chestertown, Conowingo Dam, Sines, and Washington are from midnight to midnight; at Mt. Savage Summit and Delaware Breakwater the thermometers are read at 1:30 a. m., the extremes are charged to the preceding day; other stations, except Cheltenham, Cumberland, and Pocomoke City, are for 24-hour period, ending late in afternoon, near sunset, except 9:30 p. m. at Princess Anne. (WBO, Richmond, Va., 6-22-41-1,200)