

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
IN COOPERATION WITH MARYLAND STATE WEATHER SERVICE

CLIMATOLOGICAL DATA

15 MARYLAND AND DELAWARE SECTION

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GENERAL SUMMARY

This month was cold and rather windy. Monthly precipitation averaged slightly above normal, but the monthly snowfall averaged one-half of normal. Monthly sunshine was 5% below normal. There were no damaging winds. The weather was cold on the 2d and during the 10-16th and very cold during the 21st-26th; mild temperatures prevailed on the other days.

Light snow fell in the northern-border counties from Washington County to New Castle County on the 2d, in the Allegheny Mountain region on the 5th, 6th, 14th, 15th, 22d, and 23d, in the Blue Ridge Mountain region and north-central Maryland during the night of the 14-15th, and in Delaware and northern Maryland on the 16th.

Snow flurries occurred in the Allegheny Mountain region on the 4th, 8th, and 25th; in the northern border counties from Allegany County to New Castle County on the 5th; over the section eastward of the Allegheny Mountain region on the 6th, 15th, 22d, and 23d; in Garrett and Allegany Counties on the 7th and 9th; in the southern portion of the section on the 13th and 25th; in the central and southern portions of Maryland on the 16th; and in western Maryland and Frederick County on the 24th.

Fields in the Allegheny Mountain region were snow-covered most of the month. In the other divisions wheat, rye, and barley greened slowly, while pastures and grasses remained brown. Activities were cutting wood, hauling manure, feeding livestock and poultry, stripping tobacco, pruning fruit trees and grape vines, and plowing. Some planting of peas and early potatoes and some sowing of oats and clover and of vegetable, tomato, and tobacco seeds were accomplished in the southern and central counties during the second half of the month.—J. B., jr.

TEMPERATURE

The monthly mean for the section, 38.2°, is 4.5° below normal. The highest monthly mean was 42.6° at Crisfield; the lowest, 28.2°, at Mt. Savage Summit. The highest temperature, 75°, occurred at Cumberland on the 18th; the lowest, 1°, at Mt. Savage Summit on the 25th. The greatest local monthly range was 67° at Friendsville; the least, 40°, at Delaware Breakwater. The greatest daily range was 48° at Bell on the 27th.

PRECIPITATION

The monthly average for the section, 3.94 inches, is 0.33 inch above normal. The greatest monthly amount was 5.44 inches at Friendsville; the least, 2.46 inches at Luke. The greatest 24-hour rainfall was 2.09 inches at Wilmington on the 14-15th. The monthly average snowfall for the section, 2.2 inches, is 2.3 inches below normal. The greatest 24-hour snowfall was 4.0 inches at Cumberland, Mt. Savage Summit, Tonoloway, and Western Port on the 16th. The average number of days with 0.01 inch or more of precipitation, 10, is normal.

MISCELLANEOUS PHENOMENA (WITH DATES)

Fogs, light.—1 to 6, 8, 9, 14 to 20, 22, 28 to 31. Fogs, dense.—3, 4, 14, 29, 30.
Glaze, light.—Northern portion of section, 14. Halos, lunar.—18, 19, 21, 24, 25.
Halos, solar.—11, 12, 21, 24. Rainbows.—Ferry Landing, 30; Frostburg, 18.
Sleet, light.—2, 5, 14, 15, 22, 27. Sundogs.—Chewsville, 11; Ocean City, 20.
Thunderstorms.—18, 20, 29, 30, 31. Winds, high.—4, 9, 10, 14, 15, 16, 20, 22, 23, 24, 25, 30, 31.
Frogs croaking.—La Plata and Princess Anne, 17; over section, 30, 31.
Wild geese flying north.—La Plata, 17; Frostburg, 18.

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.
Aberdeen, Md.	30.44	2	29.40	30	11.5	34	nw.	22	73	65	65	825
Annapolis, Md.	30.44	2	29.40	30	10.3	34	22	71	64	64	796
Baltimore, Md.	30.46	2	29.41	30	12.0	38	sw.	31	71	54	62	773
Elkins, W. Va.	30.52	25	29.47	30	8.0	25	sw.	30	82	64	70	880
Harrisburg, Pa.	30.45	2	29.42	30	10.7	36	s.	20	70	57	63	919
Norfolk, Va.	30.46	25	29.48	30	10.2	31	w.	16	78	53	67	861
Philadelphia, Pa.	30.50	2	29.38	30	13.9	42	se.	14	66	54	60	943
Pittsburgh, Pa.	30.47	25	29.61	30	12.8	45	w.	20	82	63	69	831
Washington, D. C.	30.44	2	29.41	30	9.9	29	nw.	22	63	46	49	753

COMPARATIVE DATA FOR MARCH

Year	FOR MARYLAND					FOR DELAWARE						
	Temperature			Precipitation		Temperature			Precipitation			
	Mean	Highest	Lowest	Average	Average snowfall with .01 in. or more	Mean	Highest	Lowest	Average	Average snowfall with .01 in. or more		
1895.....	39.8	74	-7	2.94	3.5	40.9	69	19	3.61	1.2	9	
1896.....	36.4	72	-13	4.26	14.6	9	33.2	74	4.74	3.8	10	
1897.....	44.4	82	12	2.93	0.7	10	44.5	80	2.72	T.	8	
1898.....	47.5	84	7	3.80	3.0	11	48.2	78	2.67	1.0	9	
1899.....	40.9	77	1	4.79	3.7	11	42.0	72	5.32	5.4	11	
1900.....	37.3	74	-	3.23	13.2	9	38.4	69	3.72	6.0	10	
1901.....	42.6	81	-9	3.50	1.9	9	42.7	74	3.00	0.6	7	
1902.....	44.7	80	-3	3.92	10.5	10	46.2	75	3.74	0.5	10	
1903.....	49.2	85	15	5.12	0.2	10	49.2	79	23	0.0	9	
1904.....	41.2	82	-15	3.16	2.2	10	41.2	74	3.42	1.4	10	
1905.....	45.4	83	-8	3.83	11.3	13	38.5	63	14	3.12	0.6	11
1906.....	36.7	68	8	3.30	6.5	9	46.1	88	16	2.99	4.3	13
1907.....	46.1	93	11	3.16	0.6	10	47.6	89	22	1.74	0.8	9
1908.....	45.7	85	11	3.69	7.6	11	41.8	75	17	3.82	2.5	10
1909.....	40.2	80	9	1.11	2.1	5	49.3	86	22	2.58	3.0	5
1910.....	39.8	77	-5	2.56	9.3	12	40.6	74	6	3.10	7.0	10
1911.....	39.5	78	7	6.69	7.7	13	41.1	72	16	7.16	7.9	12
1912.....	47.2	83	-6	4.56	0.7	10	49.1	80	13	3.86	T.	10
1913.....	37.8	80	-14	2.40	15.4	10	33.6	75	4	3.02	18.5	10
1914.....	38.6	64	3	1.14	4.4	5	38.8	62	19	1.26	1.7	3
1915.....	35.9	78	-3	3.88	4.5	10	35.9	69	8	3.51	5.8	10
1916.....	41.1	82	-5	5.34	10.2	13	41.7	76	17	6.26	0.9	13
1917.....	45.6	84	8	3.61	0.1	9	44.8	80	17	3.48	T.	9
1918.....	45.8	76	14	3.87	0.6	10	46.4	78	24	4.63	0.1	9
1919.....	43.2	85	-1	3.00	2.7	9	43.6	75	11	3.86	1.7	10
1920.....	53.6	91	14	2.38	T.	11	54.6	88	23	2.51	0.5	11
1921.....	44.2	80	11	4.70	2.2	13	45.0	76	19	4.48	0.2	12
1922.....	43.3	82	-6	4.23	5.8	11	44.0	80	13	5.60	4.5	10
1923.....	40.7	77	11	4.98	12.2	10	41.7	60	22	5.34	1.7	10
1924.....	44.8	82	-3	2.25	0.4	9	45.7	76	22	9.28	T.	8
1925.....	38.0	84	10	1.72	0.1	9	39.3	80	10	2.30	0.5	9
1926.....	45.4	84	10	1.72	0.1	9	45.6	82	18	1.92	T.	10
1927.....	41.7	83	7	2.97	7.0	10	42.2	82	14	2.81	0.6	11
1928.....	48.0	86	4	3.14	1.3	10	49.7	81	11	3.39	T.	11
1929.....	42.2	77	4	2.16	1.6	7	43.7	76	18	2.00	T.	7
1930.....	39.1	65	14	4.28	7.4	13	40.6	64	25	5.24	7.4	12
1931.....	38.2	75	-4	5.70	5.7	10	40.1	70	12	6.46	1.8	10
1932.....	40.1	79	0	4.40	3.2	13	41.8	80	16	3.15	1.2	13
1933.....	53.7	78	-10	4.35	11.7	14	40.1	75	6	5.26	13.4	14
1934.....	47.6	86	10	2.99	1.8	14	47.9	77	19	3.25	0.4	13
1935.....	47.0	83	15	5.87	3.0	12	48.9	76	20	5.60	T.	12
1936.....	39.4	74	1	1.96	9.7	8	39.8	69	15	2.56	3.5	9
1937.....	46.9	88	6	2.74	3.8	14	46.9	82	8	2.60	3.2	13
1938.....	43.9	80	-5	3.74	0.8	11	44.4	84	17	5.10	1.3	14
1939.....	38.1	75	1	3.84	2.3	10	38.6	71	14	4.64	1.2	12
Period.....	42.6	93	-15	3.57	4.8	10	43.5	88	4	3.84	2.6	10

Climatological Data for March 1940

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), Number of days (With precip., Clear, Partly cloudy, Cloudy), Prevailing direction of wind, OBSERVERS. Rows include Maryland (Aberdeen to Woodstock) and Delaware (Bridgeville to For Delaware).

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 Picardy, 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.

Daily Precipitation for March 1940

Table with columns for Stations, Drainage basin, Day of month (1-31), and Total. Rows list various locations like Aberdeen, Annapolis, Baltimore, etc., with 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.
† Precipitation is measured with recording gage.
* Precipitation is included in the next measurement.
T Trace, or precipitation is less than .01 inch.
§ Two miles northwest of Frostburg.
§§ Municipal Building.
§§§ Porter Reservoir.

Daily Temperatures for March 1940

Table with columns for Stations, Maximum, Minimum, and Mean temperatures for each day of the month (1-31). Rows list locations like Bridgeville, Delaware Breakwater, Delaware City, etc.

Daily Temperatures for March 1940--Continued

Table with columns for Stations, days 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, Conowingo Dam, Dundalk, Sines, and Washington are from midnight to midnight; other stations, except Cheltenham and Cumberland, are on 24-hour period ending late in afternoon, near sunset, except 9:30 p. m. at Princess Anne. (WBO, Richmond, Va., 5-20-40-1,150)