

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

February was mild, with monthly precipitation below normal. Monthly snowfall averaged slightly above normal. Monthly sunshine was 5% below normal. The 15-17th was a clear sky period; the 18-20th a cloudy period. The temperature feature was a 10-day mild period from the 4th to the 13th. Cold periods were 1st-3d, 14-16th, 21st-23d, and 25-27th.

Rain and light snow on the 13th in the Allegheny Mountain region were followed by heavy snow on the 14th. Over the remainder of the section moderate to heavy rain in the early portion of the 14th was followed by light snow in the later portion of that day. Cold weather was ushered in on the 14th by strong to gale force northwest winds which drifted the snow badly.

Light snow fell over the section on the 2d and 27th and in western Maryland on the 18th and 19th. Light snow fell on the 3d, 6th, 7th, 11th, 13th, 20th, and 24th and snow flurries occurred on the 8th, 21st, 22d, 23d, 25th, and 26th in the Allegheny Mountain region. Snow flurries occurred on the 5th over the section eastward into Carroll County, on the 20th over the section eastward of the Allegheny Mountains, and on the 23d in the northern Blue Ridge Mountain region.

Ice disappeared by the 15th from the Lower Chesapeake Bay and by the 20th from the Upper Chesapeake Bay; oystering and navigation of small craft were resumed.

Snow disappeared generally from the fields by the 10th, except in the Allegheny Mountain region, and revealed grains and grasses brown, but in fair to good condition, and they continued so at the close of the month.

Activities were cutting wood, hauling manure, feeding livestock, stripping tobacco, pruning fruit trees and grape vines, and repairing and building fences; also some plowing during the last week.—*J. B., Jr.*

TEMPERATURE

The monthly mean for the section, 34.2°, is 1.0° above normal. The highest monthly mean was 37.4° at Baltimore; the lowest, 26.0°, at Mt. Savage Summit. The highest temperature, 66°, occurred at Cumberland, Tonoloway, and Western Port on the 12th; the lowest, -4°, at Oakland on the 16th. The greatest local monthly range was 62° at Salisbury and Snow Hill; the least, 39°, at Annapolis. The greatest daily range was 43° at Snow Hill on the 1st and at Tonoloway on the 12th.

PRECIPITATION

The monthly average for the section, 2.94 inches, is 0.13 inch below normal. The greatest monthly amount was 4.66 inches at Friendsville; the least, 1.83 inches at Luke. The greatest 24-hour rainfall was 2.05 inches at Baltimore on the 18-19th. The monthly average snowfall for the section, 8.1 inches, is 0.9 inch above normal. The greatest 24-hour snowfall was 12.0 inches at Friendsville on the 13-14th. The average number of days with 0.01 inch or more of precipitation, 11, is 2 above normal.

MISCELLANEOUS PHENOMENA (WITH DATES)

Flock of robins on 23 and flock of blue birds on 26 at Ferry Landing. *Fogs, light:* 6 to 16, 18 to 20, 23 to 29.

Fogs, dense: 6, 7, 10, 11, 14, 19, 20, 27, 28. *Halos, lunar:* 17, 23, 24, 26. *Halos, solar:* 4, 9, 17, 24, 26, 28. *Sleet, light:* 1, 7, 8, 13, 14, 18, 19, 20, 21, 27, 28. *Sundogs:* Chewsville, 17, 28.

Thunderstorms: Southern Maryland and central Eastern Shore, early morning 11. *Winds, high:* 2, 3, 11, 14-15, 18-19, 21, 25, 26.

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	17	28.91	14	11.0	47	n.	14	78	...	70	...	900
Annapolis, Md.	30.43	17	28.94	14	9.5	...	nw.	14	74	...	69	...	853
Baltimore, Md.	30.47	17	29.00	14	11.1	41	nw.	14	77	60	67	51	798
Elkins, W. Va.	30.52	16	29.29	14	6.6	31	se.	18	87	72	78	35	964
Harrisburg, Pa.	30.47	17	29.17	14	9.4	32	n.	14	76	62	68	46	950
Norfolk, Va.	30.42	17	29.05	14	10.5	39	w.	14	78	59	68	58	657
Philadelphia, Pa.	30.42	17	28.92	14	14.4	42	nw.	15	71	61	64	45	877
Pittsburgh, Pa.	30.50	16	29.30	14	10.9	31	w.	6	86	74	77	90	850
Washington, D. C. ...	30.46	17	29.04	14	8.4	34	nw.	14	67	59	55	51	811

COMPARATIVE DATA FOR FEBRUARY

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.....	24.5	67	-18	1.26	11.1	5	24.7	62	-4	1.61	11.3	6
1896.....	34.5	66	-12	5.34	2.7	9	35.8	66	0	6.31	1.0	10
1897.....	34.6	68	0	5.47	7.9	10	36.0	59	10	5.12	2.7	10
1898.....	33.4	70	-6	1.58	2.1	5	36.0	65	0	2.00	T.	10
1899.....	26.1	75	-26	5.30	28.8	12	27.7	65	-14	6.15	30.3	13
1900.....	31.7	72	-15	4.74	8.3	9	33.1	69	3	4.24	10.0	11
1901.....	27.3	69	-6	0.70	3.2	4	28.2	62	1	1.00	1.0	3
1902.....	27.3	68	-17	4.51	6.0	8	28.9	62	-6	4.82	12.8	8
1903.....	35.6	73	-12	4.87	5.9	10	37.2	69	-1	5.57	2.5	10
1904.....	27.0	70	-15	1.73	3.7	7	28.3	65	-1	2.25	5.0	6
1905.....	25.3	53	-20	2.65	10.1	9	26.4	53	-6	4.07	5.0	10
1906.....	33.1	68	-15	2.42	5.7	7	34.6	68	5	3.71	4.4	8
1907.....	27.9	59	-29	2.38	16.0	7	29.1	57	-5	2.38	10.6	8
1908.....	29.3	68	-15	4.16	14.7	10	32.1	68	3	4.30	4.1	8
1909.....	41.6	75	4	3.55	4.8	11	45.3	76	7	3.50	2.4	10
1910.....	32.9	74	-6	2.41	5.2	9	36.4	73	3	1.46	3.2	11
1911.....	35.3	74	-8	1.92	7.1	9	38.4	68	17	2.03	5.6	8
1912.....	29.3	65	-18	2.49	1.8	7	31.4	68	5	2.81	0.5	7
1913.....	34.1	72	0	1.46	2.3	7	33.0	73	12	1.74	0.9	7
1914.....	33.3	68	-28	2.81	14.9	9	31.4	64	1	2.62	10.0	8
1915.....	37.1	72	-15	4.38	2.4	8	39.7	72	15	4.22	1.7	8
1916.....	31.9	69	-11	3.27	7.9	9	32.9	67	-2	3.52	5.0	9
1917.....	31.6	76	-18	2.18	7.1	8	31.7	69	-1	2.29	2.7	8
1918.....	33.6	70	-15	1.56	2.4	6	33.4	71	-10	1.17	1.4	6
1919.....	35.5	70	-3	2.36	3.2	10	36.2	69	14	2.89	0.4	9
1920.....	31.4	62	-5	3.97	12.5	12	31.8	58	1	5.44	7.3	10
1921.....	37.7	77	-15	2.86	9.8	10	38.2	71	10	3.33	7.0	10
1922.....	37.2	79	-11	3.14	7.0	12	37.8	73	1	3.98	8.9	11
1923.....	30.7	70	-9	2.79	6.9	11	30.9	61	6	2.91	9.0	11
1924.....	32.3	68	-13	3.44	11.1	9	33.3	67	12	3.76	8.0	10
1925.....	40.8	75	-2	1.54	0.1	7	43.0	74	13	2.18	T.	7
1926.....	34.2	68	-5	3.99	16.2	12	35.5	65	8	3.32	11.9	10
1927.....	39.9	73	15	3.86	8.4	11	40.9	69	22	3.57	3.6	8
1928.....	35.4	66	0	2.78	1.2	9	36.1	63	9	3.20	1.2	9
1929.....	32.7	72	1	3.57	11.0	9	35.0	71	11	4.65	8.5	10
1930.....	39.2	85	-20	2.05	2.8	9	40.2	82	3	2.04	3.1	10
1931.....	36.5	65	8	2.31	0.2	8	37.3	62	14	1.54	0.2	7
1932.....	40.5	88	-8	2.93	7.7	11	38.1	68	8	3.68	9.3	10
1933.....	35.9	70	-25	2.80	18.0	9	32.0	57	-15	4.12	20.1	9
1934.....	32.5	69	-12	2.63	6.8	9	34.2	64	-4	4.30	5.3	8
1935.....	33.0	69	-20	3.73	15.2	10	27.6	68	-3	4.57	13.6	10
1936.....	26.6	70	-20	3.73	15.2	10	27.6	68	-3	4.57	13.6	10
1937.....	34.6	72	0	3.25	8.8	12	36.8	69	14	2.78	5.3	12
1938.....	38.8	76	4	2.52	2.1	9	39.6	72	15	2.61	2.3	8
1939.....	39.4	76	0	5.15	1.4	12	41.2	75	13	5.70	T.	12
1940.....	34.2	66	-4	2.93	8.1	11	34.6	64	2	3.00	7.9	11
Period.....	33.1	88	-20	3.03	7.4	9	34.4	82	-15	3.35	5.8	9

Climatological Data for February 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, 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. Data in italics determined from surrounding stations. † Precipitation is less than 0.01 inch rain or melted snow. ††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, 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 February 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 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 with recording gage.
6 Precipitation is included in the next measurement.
T, Trace, or precipitation is less than .01 inch.
7 Two miles northwest of Frostburg.
8 Municipal Building.
9 Porter Reservoir.

Daily Temperatures for February 1940

Table with columns for Stations, Maximum, Minimum, and days 1-31. Rows list locations like Bridgeville, Delaware Breakwater, Dover, etc., with their daily temperature ranges.

Daily Temperatures for February 1940-Continued

Table with columns for Stations, days 1-31, and Mean. Rows list various Maryland and Delaware 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. (W.B.O. Richmond, Va., 4-29-40-1,150)