

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

# CLIMATOLOGICAL DATA

## 15 MARYLAND AND DELAWARE SECTION

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### GENERAL SUMMARY

This November was mild. The 17th-21st was a 5-day outstanding warm period. The 8th and 10th were warm. Otherwise, temperatures were mild, except moderately cold during the 3d-5th, 11-13th, 22-23d, and 27-28th and cold during the 14th and 27th in the Allegheny Mountain region.

Monthly rainfall was below normal, except above normal in northern Delaware, in the northern portions of Cecil, Harford, Baltimore, Carroll, and Frederick Counties, and in Western Maryland, with the exception of northwestern Allegany County. Monthly totals were between 2 and 3 inches, except between 3 and 4 inches in western Garrett, northern Harford, northern Cecil, and extreme northern New Castle Counties and between 1.4 and 2 inches in southern Maryland and the west-central and southern-third portions of the Eastern Shore.

Snow flurries occurred on the 2d at Mt. Savage Summit; on the 3d in the Allegheny Mountain region, except light snow fell at Oakland; on the 10th, 14th, and 27th at Sines; on the 13th in western Maryland, except light snow fell in the Mt. Savage Summit-Frostburg area; on the 14th at Delaware City and Ocean City; on the 23d at Chewsville; on the 25th at Oakland and Sines. Light snow fell at Oakland on the 27th. Light snow fell in the Allegheny Mountain region and snow flurries occurred eastward thereof into Frederick County on the 29th.

Early sown grains made good growth and were good to excellent. Late sown grains came up to good stands. Pastures were mostly good to excellent. Autumn truck crops did well. Activities were cutting and husking corn, picking apples and Kieffer pears; gathering grounded apples, digging sweet potatoes and late potatoes, stripping tobacco, sowing grains, cutting spinach, combining soy beans, threshing soy beans and lespezoza, some plowing, and pruning fruit trees. — J. B., jr.

### TEMPERATURE

The monthly mean for the section, 46.8°, is 1.6° above normal. The highest monthly mean was 51.9° at Crisfield; the lowest, 36.8°, at Mt. Savage Summit. The highest temperature, 81°, occurred at La Plata on the 20th; the lowest, 11°, at Mt. Savage Summit on the 14th. The greatest local monthly range was 64° at Bell; the least, 47°, at Oxford.

### PRECIPITATION

The monthly average for the section, 2.41 inches, is 0.13 inch below normal. The greatest monthly amount was 3.91 inches at Elkton and Sines; the least, 1.35 inches at Oxford. The greatest 24-hour rainfall was 1.30 inches at Dover during the 23d-24th. The monthly average snowfall for the section, 0.1 inch, is 1.0 inch below normal. The greatest 24-hour snowfall was 2.0 inches on the 29th at Mt. Savage Summit.

### MISCELLANEOUS PHENOMENA (WITH DATES)

Fogs, light.—1, 2, 5 to 9, 17, 18, 19, 21 to 27, 29. Fogs, dense.—1, 2, 5, 9, 19, 24, 25.  
Steet, light.—Night 22-23; 29. Thunderstorms.—10, 24, 26.  
Winds, high.—1, 10 to 14, 25, 27, 28.  
Halo, lunar.—12. Halos, solar.—5, 12, 27. Rainbow.—Chestertown, 26.

### EVAPORATION STATION: Beltsville, Md. (Elevation, 120 feet) (Evaporation Tank: 10 inches deep, 48 inches in diameter)

Month	Temperature					Precipitation (total)	Evaporation (inches)
	Mean	High	Date	Low	Date		
August 1942.....	70.4	92	2	42	26	10.63	4.590
September 1942..	67.0	90	9, 16	29	30	2.44	4.054
October 1942....	56.1	82	9	23	28	9.85	2.740
November 1942..	45.4	78	20	16	15	1.72	.....

### 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.....	30.56	4	29.40	25	9.2	.....	.....	74	54	66	.....	558	
Annapolis, Md....	30.56	4	29.38	25	10.8	.....	.....	74	54	66	.....	499	
Baltimore, Md....	30.58	4	29.40	25	10.4	40	sw.	13	72	52	65	60	484
Elkins, W. Va....	30.59	4	29.70	29	7.1	35	w.	10	84	65	75	31	643
Harrisburg, Pa..	30.57	4	29.46	25	8.3	41	s.	10	75	35	66	36	637
Norfolk, Va.....	30.48	4	29.48	25	10.1	29	nw.	10	83	55	67	63	307
Philadelphia, Pa.	30.58	5	29.34	25	13.3	44	sw.	10	78	52	67	55	515
Pittsburgh, Pa..	30.57	4	29.59	13	11.3	41	nw.	13	79	64	72	31	602
Washington, D. C.	30.55	5	29.43	25	7.8	28	nw.	13	73	51	63	48	504

### COMPARATIVE DATA FOR NOVEMBER

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.....	45.6	86	0	1.64	0.1	7	47.9	78	24	1.94	T.	8
1896.....	49.1	78	12	3.07	2.2	7	51.6	78	25	3.18	T.	10
1897.....	45.0	78	5	4.76	0.2	12	46.6	72	21	3.78	T.	13
1898.....	42.8	78	6	3.82	5.5	11	44.2	73	22	4.58	5.5	12
1899.....	44.9	73	12	2.02	T.	6	45.0	66	22	2.15	0.0	6
1900.....	47.5	81	4	3.00	1.0	8	49.9	76	22	2.59	T.	6
1901.....	39.1	74	4	2.72	2.3	5	40.6	76	17	2.20	1.2	4
1902.....	50.8	80	11	3.12	0.8	8	52.2	80	27	3.06	0.0	7
1903.....	40.9	82	1	1.17	0.8	5	42.5	79	12	1.36	0.1	5
1904.....	41.9	72	11	1.62	2.2	4	42.2	67	18	2.17	0.1	6
1905.....	43.2	77	10	1.30	0.1	6	44.8	73	14	1.09	T.	5
1906.....	45.2	78	15	1.43	1.0	5	46.0	75	22	1.99	0.4	6
1907.....	42.8	70	10	5.27	1.0	11	45.2	70	22	5.78	0.1	12
1908.....	44.5	76	3	0.95	4.2	8	45.9	76	20	1.31	0.1	3
1909.....	49.1	85	11	1.16	1.0	6	49.6	79	23	2.12	1.2	7
1910.....	40.9	76	2	2.05	3.5	8	42.1	74	18	2.44	0.2	6
1911.....	42.3	82	6	3.99	0.5	10	44.7	72	20	5.31	0.0	11
1912.....	46.1	79	10	2.04	1.2	5	47.8	78	14	2.74	3.0	5
1913.....	47.0	87	10	2.19	1.2	7	48.8	79	27	1.54	T.	6
1914.....	44.2	82	0	2.04	0.1	3	46.8	80	15	1.96	T.	3
1915.....	44.8	79	14	1.46	T.	7	46.6	76	19	0.92	T.	4
1916.....	44.9	83	9	2.18	0.1	8	45.4	74	15	2.28	T.	3
1917.....	41.2	76	1	0.60	1.9	4	41.5	70	15	0.49	1.6	3
1918.....	44.9	74	13	1.47	0.1	5	45.4	71	17	1.27	0.0	4
1919.....	45.5	81	11	3.29	0.1	11	46.6	78	20	3.35	0.0	10
1920.....	44.4	76	3	3.82	0.8	10	46.3	75	16	5.88	0.0	10
1921.....	46.7	82	15	4.34	0.1	13	48.4	81	25	3.98	T.	13
1922.....	46.2	75	14	0.65	0.5	5	47.0	74	23	0.82	T.	3
1923.....	43.9	68	12	2.60	0.2	9	45.0	67	21	2.85	0.0	7
1924.....	44.4	79	10	1.79	1.8	5	46.2	79	16	2.13	0.3	6
1925.....	42.9	74	6	3.11	0.3	10	45.0	74	20	3.04	0.2	9
1926.....	43.0	78	7	4.45	0.1	8	44.9	75	19	3.70	T.	8
1927.....	49.7	79	9	2.78	0.3	9	51.2	79	22	3.44	T.	10
1928.....	47.0	80	13	1.89	1.3	8	48.3	79	21	1.72	T.	9
1929.....	45.8	85	7	2.62	1.8	11	48.0	82	11	2.62	1.4	12
1930.....	44.6	75	16	1.19	0.8	9	46.8	74	8	2.04	T.	9
1931.....	51.6	80	16	0.95	0.9	6	52.9	79	23	0.86	0.1	5
1932.....	45.2	72	2	5.22	T.	9	45.7	70	13	5.50	T.	9
1933.....	42.5	81	8	1.38	2.0	7	44.2	75	10	1.63	0.2	5
1934.....	47.8	80	9	3.56	0.2	10	49.1	76	20	3.65	T.	9
1935.....	48.4	86	9	4.32	0.8	12	50.4	80	23	5.34	1.1	15
1936.....	43.0	82	4	1.02	0.7	6	44.8	80	15	0.93	T.	6
1937.....	44.2	79	3	3.43	0.6	7	46.2	71	19	3.61	T.	8
1938.....	47.7	85	8	2.77	8.6	10	49.8	81	8	2.95	6.3	11
1939.....	43.4	75	12	1.33	1.4	5	43.9	71	23	1.36	T.	6
1940.....	45.4	77	14	5.14	1.1	10	46.5	75	20	4.66	T.	9
1941.....	47.8	78	11	1.77	T.	5	49.0	76	20	2.23	T.	9
1942.....	46.7	81	11	2.34	0.1	10	48.2	77	16	2.84	T.	9
Period.....	45.1	87	-16	2.52	1.1	8	46.6	82	8	2.70	0.5	8

Climatological Data for November 1942

Table with columns: STATIONS, COUNTIES, Elevation, Length of record, Temperature (Mean, Departure from normal, Highest, Date, Lowest, Date), Precipitation (Total, Departure from normal, Greatest in 24 hours, Date), Number of days (Total snowfall, With precip., 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...

Thermometers 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, Sines, and Washington are from midnight to midnight; at Dundalk, Mt. Savage Summit, Ocean City, and Snow Hill the thermometers are read at 1:30 a.m., the extremes are charged to the preceding day; other stations, except Blackwater, Cheltenham, Conowingo Dam, Cumberland, and Pocomoke City, are for 24-hour period ending late in afternoon, near sunset, except 9:30 p.m. at Princess Anne.

Daily Precipitation for November 1942

Table with columns for Stations (Maryland), Drainage basin, Day of month (1-31), and Total. Rows list various stations like Aberdeen, Annapolis, Baltimore, etc., with precipitation values 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 November 1942

Table with columns for Stations (Delaware), Day of month (1-31), and Mean. Rows list various stations like Bridgeville, Delaware City, Dover, etc., with temperature values for each day.

Daily Temperatures for November 1942-Continued

Table with columns for Stations (Maryland) and days 1-31, plus a Mean column. Rows list various stations like Aberdeen, Annapolis, Baltimore, etc., with their respective temperature data.

See page 42 for explanation of reference marks.

(WBO, Richmond, Va., 1-12-43-1,200)