

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 was the first mild November since 1938 and the first dry November since 1939. Temperatures were mild or warm for the season, except moderately cold during the 9-12th and 24-25th. The 20th was the warmest day. There was much cloudiness during the first decade; the second and third decades were sunny. Prolonged periods of clear sky were 13-18th and 25-29th. Monthly sunshine was 10 to 15% above normal. Springs and wells were low or dry.

Monthly rainfall was between 2.2 and 3.2 inches, in western Maryland. In the central and eastern divisions it decreased from between 2 and 3 inches near the Pennsylvania border to between 0.5 and 1 inch in the extreme southern counties.

Snow flurries occurred in Garrett County on the 7th, 8th, 9th, and 11th; in the northern border counties from Garrett to Carroll on the 10th; at Chestertown at night of the 22d; and at Chestertown and Delaware Breakwater in the morning of the 24th.

The rains of the month benefited grains already up, germinated late sown grains, and induced greening of grasses and pastures. Grains, clover, and grasses were good in Garrett County, except excellent in the highlands. Elsewhere over the section wheat, rye, and barley were fair to good and pastures and grasses were greened somewhat after the first week. Activities were picking late apples, husking corn, plowing, stripping some tobacco, combining soy beans and lespedeza, and feeding livestock; also digging sweet potatoes and late potatoes (small in size) in the central and eastern divisions.—*J. B., jr.*

MISCELLANEOUS PHENOMENA (WITH DATES)

Fogs: 1, 4, 5, 6, 9, 13 to 20, 22 23, 24, 27 to 30. *Halos,* lunar: 5, 6. *Halos, solar:* 4, 13, 21, 22. *Sleet, light:* Northern portion of section, night 22. *Winds, high:* 2, 6, 7, 16, 20, 24.

TEMPERATURE

The monthly mean for the section, 47.9°, is 2.7° above normal. The highest monthly mean was 53.0° at Solomons; the lowest, 39.2°, at Sines. The highest temperature, 78°, occurred at Western Port on the 18th and at Snow Hill on the 20th; the lowest, 11°, at Oakland and Sines on the 25th. The greatest local monthly range was 61° at Bell; the least, 37°, at Delaware Breakwater. The greatest daily range was 51° at Bell, Frederick, and Woodstock on the 14th.

PRECIPITATION

The monthly average for the section, 1.83 inches, is 0.71 inch below normal. The greatest monthly amount was 3.17 inches at Williamsport; the least, 0.54 inch, at Pocomoke City. The greatest 24-hour rainfall was 1.34 inches at Hancock on the 22-23d. The monthly average snowfall for the section, a trace, is 1.1 inches below normal.

DEATH

The death of an excellent observer of the U. S. Weather Bureau and the Maryland State Weather Service is announced with regret. Mr. Richard Leake at Snow Hill died on the 7th of this month. He served faithfully from December 1, 1931 to September 30, 1941.

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		
November 1941...	45.3	76	20	14	25	1.11	2.054

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.
									7:30 a. m.			1:30 p. m.	7:30 p. m.
Aberdeen, Md.	30.51	25	29.41	7	7.9	25	nw.	24	78	..	67	510	
Annapolis, Md.	30.50	25	29.42	7	8.9	25	nw.	24	70	..	67	441	
Baltimore, Md.	30.52	25	29.40	6	9.3	29	nw.	20	76	47	61	393	
Elkins, W. Va.	30.57	29	29.34	6	5.8	21	w.	7	82	48	86	685	
Harrisburg, Pa.	30.51	25	29.34	6	6.7	28	nw.	16	77	49	61	557	
Norfolk, Va.	30.52	29	29.50	6	8.3	23	n.	24	84	50	79	285	
Philadelphia, Pa.	30.53	28	29.39	7	12.0	33	s.	1	83	50	68	439	
Pittsburgh, Pa.	30.48	28	29.34	6	11.7	36	s.	1	74	54	61	486	
Washington, D. C.	30.52	25	29.42	6	5.8	20	nw.	24	76	43	56	438	

COMPARATIVE DATA FOR NOVEMBER

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.....	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	0.3	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	1
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	1.03	0.1	5
1906.....	45.2	78	15	1.43	1.0	5	46.0	75	22	1.99	0.4	4
1907.....	42.8	70	10	8.27	1.0	11	45.2	70	22	5.78	0.1	12
1908.....	44.5	76	3	0.95	4.2	3	45.9	76	20	1.81	0.1	3
1909.....	49.1	85	11	1.16	1.0	6	49.6	79	23	1.12	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	8	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.....	43.2	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	10	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.	5
Period.....	45.0	87	-16	2.52	1.2	8	46.6	82	8	2.69	0.5	8

Climatological Data for November 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, Clear, Partly cloudy, Cloudy), Prevailing direction of wind, and OBSERVERS. Rows include Maryland stations like Aberdeen, Annapolis, Baltimore, etc., and Delaware stations like Bridgeville, Dover, etc.

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 precipitations 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 Blackwater, Cambridge, 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 north-west of Frostburg. §Municipal Building. ¶Porter Reservoir. ||Water Pumping Station. |||University Farm.

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, Conowingo Dam, Sines, and Washington are from midnight to midnight; at Dundalk, Mt. Savage Summit, Ocean City, Snow Hill, and Delaware Breakwater the thermometers are read at 1:30 a. m., the extremes are charged to the preceding day; other stations, except Blackwater, Cheltenham, 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 1941

Table with columns: Stations (Maryland), Drainage basin, Day of month (1-31), Total. Lists precipitation amounts for various Maryland locations like Aberdeen, Annapolis, Baltimore, etc.

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 included in the next measurement.
T, Trace, or precipitation is less than .01 inch.
7 Two miles northwest of Frostburg.
88 Municipal Building.
888 Porter Reservoir.
999 Water Pumping Station.
111 University Farm.

Daily Temperatures for November 1941

Table with columns: Stations (Delaware), Maximum, Minimum, and days 1-31, Mean. Lists temperature data for Delaware locations like Bridgeville, Delaware Breakwater, Delaware City, etc.

Daily Temperatures for November 1941-Continued

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

See page 42 for explanation of reference marks.

(W.B. Richmond, Va., 1-10-42-1,200)