

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 April was mild, sunny, and the driest of record. Nearly all of the monthly precipitation fell during the 9-11th. An April record length dry spell began on the 12th and continued at the close of the month. A prolonged clear sky period was the 22d-26th. Monthly sunshine was 10% to 15% above normal. There was no damage by wind or frost. There were many forest fires during the third decade.

Cool periods were 1st, 9-14th, 19th-21st, and 27-28th. Warm periods were 3d-8th, 15-16th, 25th-26th, and 30th. Otherwise, the temperatures were mild.

Monthly precipitation averaged one-third of normal. Totals were less than 1 inch in the eastern and central divisions and in eastern Washington County, except slightly above 1 inch near the Pennsylvania border; were between 1 inch and 2 inches in western Washington and eastern Allegany Counties; and were between 2 and 3 inches in western Allegany and Garrett Counties, except above 3 inches in the Allegheny Mountain highlands.

There was little snow. The monthly average was one-eleventh of normal. Light snow fell on the 1st and 11th in the Allegheny Mountain region. Snow flurries occurred over the northern portion of the section between the Allegheny Mountains and Chesapeake Bay on the 11th and at Oakland on the 19th and 20th.

Wheat, rye, and barley were mostly good to excellent, were good color, and made rapid growth. Grasses and pastures were mostly good, except declined to fair in the central and southern counties during the third decade. Fields were too wet generally for plowing and planting during the first decade; thereafter, plowing, planting peas, early potatoes, other vegetables, and gardens, and sowing oats, grass seeds, and vegetable seeds made good progress. Fruit trees came into bloom during the first and second decades, except apple trees in western Maryland.

During the third decade: Rye was heading in the southern counties; early sown oats, early pea plants, the first early potato plants, and sweet potato and tobacco plants in beds were good stands; tomato plants in beds were ready for setting out; peach and pear trees were fruiting and apple trees finished blooming in the southern and central counties; peach and pear trees finished blooming and apple trees were in full bloom in the northern counties; strawberry plants were blooming or were in full bloom; asparagus was being cut; and rain was needed for crops and grasses—*J. B., jr.*

TEMPERATURE

The monthly mean for the section, 55.7°, is 3.4° above normal. The highest monthly mean was 59.0° at Oxford and Washington; the lowest, 48.2°, at Sines. The highest temperature, 96°, occurred at Cumberland on the 30th; the lowest, 18°, at Oakland on the 14th. The greatest local monthly range was 68° at Bell and Tonoloway; the least, 42°, at Crisfield. The greatest daily range was 53° at Oakland on the 24th.

PRECIPITATION

The monthly average for the section, 1.10 inches, is 2.41 inches below normal. The greatest monthly amount was 3.33 inches at Oakland; the least, 0.28 inch at Annapolis. The greatest 24-hour rainfall was 1.80 inches at Luke on the 10th and at Oakland on the 9th. The monthly

average snowfall for the section, 0.1 inch, is 1.0 inch below normal. The greatest monthly snowfall was 4.5 inches at Oakland; the least, a trace, over the northern portion of the section between the Allegheny Mountains and Chesapeake Bay. The greatest 24-hour snowfall was 3.5 inches on the 11th at Oakland.

MISCELLANEOUS PHENOMENA (WITH DATES)

Fogs, light.—1, 4 to 6, 8 to 11, 14, 15, 17, 20, 25, 26, 28 to 30. Fogs, dense.—29, 30.
Frosts.—2, 13, 14, 19, 22. Halos, lunar.—2, 3. Halos, solar.—2. Rainbows.—
Clear Spring, 11, 17. Sleet, light.—10, 11. Thunderstorms.—3, 5, 17, 28.
Winds, high.—1 to 3, 8 to 12, 14, 16, 18 to 21. First Swallows.—Clear Spring and
Keedysville, 23. Wild Geese Northing.—Princess Anne, 9.

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.	30.34	14	29.65	11	9.1	28	nw.	11	77	45	65	307
Annapolis, Md.	30.33	14	29.63	11	9.8	30	e.	11	69	43	53	298
Baltimore, Md.	30.36	14	29.64	11	10.3	30	w.	10	68	43	53	234
Elkins, W. Va.	30.42	16	29.62	10	6.6	30	w.	11	80	44	56	368
Harrisburg, Pa.	30.34	14	29.62	11	8.7	34	nw.	11	68	40	47	73
Norfolk, Va.	30.40	14	29.65	11	9.8	38	nw.	11	70	44	60	208
Philadelphia, Pa.	30.38	16	29.64	11	12.9	33	sw.	2	73	48	55	292
Philadelphia, Pa.	30.31	16	29.56	10	11.5	34	nw.	11	70	45	49	310
Pittsburgh, Pa.	30.31	16	29.56	10	11.5	34	nw.	11	70	45	49	310
Washington, D. C.	30.36	14	29.65	11	7.9	27	w.	11	70	41	48	229

COMPARATIVE DATA FOR APRIL

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.....	52.4	89	18	5.17	0.1	9	52.1	89	28	5.39	0.0	10
1896.....	55.9	97	12	1.42	0.7	6	55.9	97	22	1.46	T.	6
1897.....	52.1	94	15	2.97	0.1	8	52.8	89	26	3.18	0.0	9
1898.....	50.3	86	16	2.67	2.4	11	50.1	82	21	3.60	1.3	12
1899.....	53.1	94	14	1.60	0.3	4	52.3	84	22	1.56	T.	3
1900.....	52.3	86	16	1.93	0.4	6	53.2	79	24	2.39	T.	6
1901.....	49.1	90	15	5.74	2.0	11	49.9	81	31	5.12	0.0	9
1902.....	51.7	102	16	3.88	2.8	8	52.4	90	27	4.25	T.	9
1903.....	52.4	95	13	4.06	T.	9	52.8	93	25	3.66	T.	9
1904.....	49.1	87	10	2.47	0.2	9	49.5	84	24	2.40	T.	7
1905.....	52.8	88	8	3.22	0.6	9	52.7	85	26	3.07	T.	9
1906.....	54.1	96	10	3.23	T.	7	54.4	89	26	2.35	0.0	7
1907.....	47.0	86	9	3.33	2.0	10	47.4	83	23	3.36	0.5	11
1908.....	54.5	90	19	2.30	T.	10	55.3	87	24	2.81	T.	11
1909.....	52.6	89	5	3.51	0.9	10	53.7	86	25	4.30	T.	10
1910.....	55.9	92	20	5.58	0.2	12	57.1	87	28	3.85	0.0	9
1911.....	48.9	88	0	3.20	1.5	11	49.7	79	25	3.66	T.	11
1912.....	54.7	87	21	2.72	T.	12	54.3	83	27	2.83	T.	11
1913.....	53.9	90	11	4.41	T.	10	55.2	83	29	5.14	T.	10
1914.....	51.5	89	15	3.89	0.1	10	52.5	85	24	3.38	T.	9
1915.....	56.9	100	10	1.66	4.5	6	57.8	97	25	2.44	9.3	6
1916.....	51.4	89	17	3.10	4.3	12	51.5	87	28	2.42	1.1	12
1917.....	52.4	90	14	2.41	4.0	8	52.4	89	24	2.52	2.6	8
1918.....	51.0	83	15	5.90	5.7	12	52.3	81	28	4.33	0.2	10
1919.....	51.7	88	11	3.34	0.1	7	52.4	81	21	3.91	T.	7
1920.....	50.8	88	12	4.77	0.6	14	52.3	84	26	3.93	T.	10
1921.....	58.0	92	16	3.13	0.7	10	58.5	88	26	3.61	3.6	12
1922.....	54.0	93	17	1.84	0.1	9	54.2	88	28	2.32	0.0	9
1923.....	51.5	88	3	4.15	1.1	9	52.0	83	11	4.22	0.1	11
1924.....	50.0	83	33	4.94	5.9	12	50.4	79	20	5.52	2.4	12
1925.....	55.2	97	20	2.49	0.2	11	55.3	89	25	2.96	0.0	12
1926.....	49.9	89	18	1.72	0.5	9	50.8	88	25	1.91	T.	10
1927.....	49.9	91	18	4.91	1.7	14	50.3	94	28	3.09	1.2	14
1928.....	49.9	85	14	5.85	4.4	12	50.8	82	23	5.88	0.6	12
1929.....	55.4	94	25	6.44	0.2	14	56.0	95	32	6.74	0.0	13
1930.....	50.6	93	18	2.54	0.6	9	50.7	85	25	1.99	T.	8
1931.....	51.3	84	18	3.05	1.6	9	51.9	78	28	3.31	0.0	9
1932.....	50.3	84	16	2.18	0.4	8	51.6	80	29	2.52	T.	8
1933.....	52.8	88	20	5.44	0.1	11	53.1	80	28	5.42	0.0	10
1934.....	51.9	86	19	2.60	0.2	10	52.0	82	29	3.13	T.	11
1935.....	49.9	92	14	3.76	2.3	10	50.9	85	30	3.81	T.	11
1936.....	49.6	90	11	2.82	0.3	11	51.2	85	28	3.01	T.	12
1937.....	51.1	94	19	6.52	0.2	12	52.3	88	28	5.19	T.	11
1938.....	54.8	94	19	1.76	0.2	8	55.3	88	25	1.87	T.	8
1939.....	51.2	93	16	5.03	0.2	16	52.0	88	27	5.66	T.	15
1940.....	48.2	84	13	6.92	1.8	13	47.9	80	22	5.69	2.2	15
1941.....	56.9	97	17	2.94	0.0	5	56.3	91	28	3.19	0.0	6
1942.....	55.8	96	18	1.12	0.1	4	55.1	91	25	1.03	0.0	4
Period.....	52.2	102	-3	3.51	1.2	10	52.7	99	11	3.53	0.5	10

Climatological Data for April 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, Total snowfall, With precip. 0.01 in. or more, Clear, Partly cloudy, Cloudy), Number of days (Prevailing direction of wind), OBSERVERS. Includes data for Maryland and Delaware stations.

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 Blackwater, Cambridge, of Coleman, Wornton, of Edgemont, Smithsburg, of Fallston, Bagley, of Ferry Landing, Owings, of Great Falls, Bethesda, of Mt. Savage Summit, Frostburg, of Odessa, Middletown, of Pearly, Paw Paw, W. Va., of Pleasant Hill, Owings Mills, of Ferry Landing, Parkton, of Sines, Oakland, of Tonoloway, Hancock, *Custom House, Gay and W. 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.

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, 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, 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 April 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 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 April 1942

Table with columns for Stations (Delaware), Day of month (1-31), and Mean. Rows list stations like Bridgeville, Delaware Breakwater, Delaware City, etc., with maximum and minimum temperatures for each day.

Daily Temperatures for April 1942-Continued

Table with columns for Stations (Maryland), days 1-31, and Mean. Rows list various Maryland locations such as Aberdeen, Annapolis, Baltimore, etc., with their respective maximum and minimum temperatures for each day.

See page 14 for explanation of reference marks.