

CLIMATOLOGICAL DATA

15 MARYLAND AND DELAWARE SECTION

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GENERAL SUMMARY

This was the warmest April since 1941. Monthly rainfall averaged slightly above normal. Monthly sunshine was normal.

The unusual warmth of last March came to an end on the 5th of this month. Cool weather followed on the 6th and 7th. Warm weather prevailed during the 8-14th. Cool weather during the second half of the month was interrupted by three brief mild periods.

Monthly rainfall was unevenly distributed over the section. Totals were between 3 and 4 inches, except between 1.6 and 2 inches in northern Worcester and Wicomico Counties, between 2 and 3 inches in southern Worcester, Somerset, Dorchester; and southern Sussex Counties, in eastern Montgomery, extreme northern Prince Georges, southern Howard, and northern Anne Arundel Counties, and at Luke and Western Port, and except between 4 and 5 inches from Lewes to Wilmington, in northern St. Marys, eastern Charles, central and northern Calvert and Dorchester Counties, and from northern Baltimore County westward into central Washington County, except above 5 inches at Clear Spring and in extreme northern Frederick County.

Monthly snowfall averaged a trace, or 1.0 inch below normal, and was the least in April since 1941, when no snow fell.

Snow flurries fell on the 5th in the Allegheny Mountain region and at Fort George G. Meade and a trace of sleet fell at Elkton.

Wheat, rye, barley, clovers, alfalfa, grasses, and pastures were good to excellent. During the second half of the month rye in the eastern and central divisions and barley were heading, early sweet corn was being planted, and early tomato plants were being set out. Early sown oats grew rapidly and late sown oats came up. Planting early potatoes and peas, planting and sowing other vegetable seeds, sowing tomato and tobacco seeds in beds, sowing clover and oats, bedding sweet potatoes, plowing for corn, and planting gardens were in progress. The first early potato and early pea plants did well; later planted early potatoes and peas were coming up.

Freezing temperatures and killing frosts during the nights of the 5-6th and 6-7th caused light to heavy damage to peach, pear, cherry, and apple blossoms, killed the early strawberry blossoms, and damaged young clover, alfalfa, and bean plants.

Strawberry plants bloomed again during the second week; they were fruiting during the last week in the southern counties.

During the third and fourth weeks peaches, pears, and cherries were developing and sizing and apples were fruited in the eastern and central divisions and peaches, pears, and cherries were fruited and apples were fruiting in western Maryland, except peaches and pears were fruiting and apple trees finished blooming in the Allegheny Mountain region.

92-MILE-AN-HOUR THUNDERGUST ON APRIL 26, 1945

A severe thundergust from the northwest passed over southeastern Baltimore County in the afternoon of Thursday, April 26th. The gust was of gale force over southeastern Baltimore City from 4:25 p. m. to 4:30 p. m., E. S. T.; it unroofed 10 homes and caused other minor damage.

At the Glenn L. Martin Airfield, Middle River, Md., the record of the wind-force instrument shows a very rapid increase from 10 miles an hour at 4:28 p. m., E. S. T., to a peak of 92 miles per hour from the northwest at 4:35 p. m., E. S. T., and then a rapid decrease to 22 miles per hour at 4:40 p. m., E. S. T. A PBM-Mariner was damaged severely and some other Navy planes were scratched, dented, and marred.

TEMPERATURE

The monthly mean for the section, 56.2°, is 3.9° above normal. The highest monthly mean was 64.0°, at Crisfield; the lowest, 48.6°, at Mt. Savage Summit. The highest temperature, 90°, occurred at Cumberland on the 13th and at La Plata on the 14th; the lowest, 20°, at Mt. Savage Summit and Oakland on the 6th. The greatest local monthly range was 65° at Tonoloway; the least, 44°, at Annapolis and Oxford.

PRECIPITATION

The monthly average for the section, 3.68 inches, is 0.16 inch above normal. The greatest monthly amount was 5.38 inches at Emmitsburg; the least, 1.64 inches, at Ocean City. The greatest 24-hour precipitation was 2.38 inches at Charlotte Hall on the 17-18th. The average monthly snowfall for the section, a trace, is 1.0 inch below normal. The greatest 24-hour and greatest monthly snowfall was 0.2 inch at Oakland on the 5th.

MISCELLANEOUS PHENOMENA (WITH DATES)

Fogs, light.—8, 9, 18. Fogs, light and dense.—2, 4, 5, 7, 10 to 17, 20, 21, 23 to 27. Freezing temperatures and killing frosts.—Over section, 6, 7; Allegheny Mountain region, 8, 9, 19, 20, 22, 23, 30; near the Pennsylvania border from Baltimore County into New Castle County, 23. Hail, light.—Locally in eastern Washington, Carroll, Baltimore, southern Prince Georges, northern Calvert, and Kent (Md.) Counties, 26. Halos, solar.—6, 7, 23. Rainbows.—1, 14, 26. Thunderstorms.—1, 2, 4, 14 to 18, 20, 21, 25, 26, 30. Winds, high.—2 to 5, 14, 18, 21, 26 to 28.

COOPERATIVE STORM WARNING DISPLAY STATION

A cooperative storm warning display station was established on April 16, 1945, at the Chesapeake Biological Laboratory of the State of Maryland, at Solomons, Md., under the supervision of Mr. G. Francis Beaven, Biologist, who is also the cooperative weather observer. The display is made from a 45-foot steel flagstaff, at the end of a 750-foot pier, which projects from the water front outward over the Patuxent River.

PRECIPITATION AT KEEDYSVILLE, MARYLAND

(25-year and 40-year averages.)

Compiled by Mr. J. A. Miller, Cooperative Weather Observer.

Averages	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l
1905-1929	3.01	2.59	2.84	3.26	3.19	4.10	3.61	4.15	2.96	3.16	2.06	2.78	37.71
Averages 1905-1944	3.24	2.31	2.99	3.25	3.07	3.81	3.74	4.02	3.07	2.61	2.22	2.63	38.57
Greatest	6.07	4.20	5.68	6.78	6.72	7.20	8.48	8.98	6.87	10.26	6.09	4.51	46.54
Least	0.91	0.16	0.37	0.81	0.73	1.28	0.18	0.90	0.45	0.32	0.33	0.51	22.29

Greatest monthly, 10.26, October 1927; least monthly, 0.16, February 1941. The wettest year was 1907, 46.54 inches; the driest year 1930, 22.29 inches.

COMPARATIVE DATA FOR APRIL

FOR MARYLAND || FOR DELAWARE

Year	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	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	99	22	1.46	T.	6
1897	52.1	94	15	2.97	0.1	8	52.8	89	26	3.18	0.0	7
1898	50.3	86	6	2.67	2.4	11	50.1	82	21	3.60	1.8	12
1899	53.1	94	14	1.60	0.2	4	52.3	84	22	1.56	T.	8
1900	52.3	86	16	1.93	0.4	6	52.2	79	24	3.39	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	3.38	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	2.82	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	2.88	T.	11
1913	52.9	90	11	4.41	T.	10	52.5	88	29	3.15	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	1.56	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	25	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	8
1924	50.0	83	13	4.94	5.8	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	85	25	1.91	T.	10
1927	49.9	91	18	4.91	1.7	14	50.3	84	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	18
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	3.81	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	5.13	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	5.92	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
1943	48.5	86	5	3.20	0.5	11	49.3	84	18	3.46	T.	10
1944	51.0	84	13	4.10	0.8	14	51.2	83	22	4.87	0.9	13
1945	56.2	90	20	3.66	T.	12	55.9	87	26	3.81	0.0	14
Period	52.2	102	-3	3.52	1.1	10	52.7	99	11	3.56	0.5	10

Climatological Data for April 1945

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), Number of days (With precip., Clear, Partly cloudy, Cloudy, Prevailing direction of wind), OBSERVERS. Includes data for Maryland and Delaware stations.

All departures from normal are computed from the averages of the entire period for stations having 10 or more years of record, except that for First-Order Weather Bureau Stations they are based on adopted normals. The normal may be found by adding the departures when minus (-) or subtracting when plus (+). Trace or 0.005 inch or less rain or melted snow. † Recording gage. ‡ Data interpolated. § Elevation is of ground above mean sea level. ¶ Trace or 0.005 inch or less rain or melted snow. † Recording gage. ‡ Data interpolated. § Elevation is of ground above mean sea level.

† Post addresses of these stations are as follows: Of Bell, Glendale; of Blackwater, Cambridge; of Coleman, Worton; of Edgemoor, Smithsburg; of Ferry Landing, Owings; of Great Falls, Bethesda; of Mt. Savage Summit, Frostburg; of Picardy, Paw Paw, W. Va.; of Prettyboy Dam, Parkton; of Sines, Oakland; of Takoma Park No. 2, Silver Spring; of Tonoloway, Hancock; of Trappe, Oxford; of Wiltondale, Towson. * Custom House, Gay and Water Sts. ** Weather Bureau Building, 24th and M Sts. † Also on other dates. ‡ On mountain top, 2 1/2 miles northwest of Frostburg. § Municipal Building. ¶ Porter Reservoir. †† Weather Bureau Building, 24th and M Sts. ‡ 1/2 mile west. Figures and letters following station indicate distance and direction of the observation point from the City Post Office. †† 1.5 miles west. ‡ Private instruments.

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, 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; at other stations temperatures are for a 24-hour period ending in late afternoon or near sunset, except 8 p. m. at Chestertown. † Data interpolated.

Daily Precipitation for April 1945

Table with columns for Stations, Drainage basin, Day of month (1-31), and Total. Rows list various stations in Maryland and Delaware with their respective precipitation amounts for each day.

Except as otherwise indicated, amounts are for 24-hours ending late in afternoon. 1Midnight to midnight; recording gage. 2Measured in the morning; for the preceding 24-hours. 3Data for 24-hours ending at 1:30 a. m. of following day. T. Trace or 0.005 inch or less. *Included in next measurement. ITALICS Data interpolated. †First-order Weather Bureau station. ‡Water Pumping Station. ††University Farm. †††Municipal Building. ††††Porter Reservoir. †††††Midnight to midnight.

Daily Temperatures for April 1945

Table with columns for Stations (Delaware), Day of month (1-31), and Mean. Rows list stations like Bridgeville, Delaware City, Dover, Lewes, Millsboro, Newark, Wilmington, and Washington, D.C. with their daily maximum and minimum temperatures.

Daily Temperatures for April 1945—Continued

Table with columns for Stations (Maryland) and days 1-31, plus a Mean column. Rows include Aberdeen, Annapolis, Baltimore (U.S.W.B.), Bell, Blackwater/, Charlotte Hall, Cheltenham/, Chestertown, Chewsville, Clear Spring, Coleman, College Park, Conowingo Dam/, Crisfield, Cumberland/, Easton, Elkton, Emmitsburg, Fallston, Ferry Landing, Fort George G. Meade, Frederick, Friendsville, Frostburg, Germantown, Great Falls, Huntingtown, Keedysville, La Plata, Laurel, Maryland Line, Millington, Mt. Savage Summit, Oakland, Ocean City, Oxford, Picardy, Prettyboy Dam, Ridgely, Rock Hall, Salisbury, Sines (Deep Creek), Snow Hill, Solomons, State Sanatorium, Takoma Park, No. 1., Takoma Park, No. 2., Tonoloway, Unionville, Western Port, Westminster, Woodstock.

See page 14 for explanation of reference marks.

(WBO, Philadelphia, Pa.—7-19-45-1,200)