

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

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In Cooperation with Maryland State Weather Service

# CLIMATOLOGICAL DATA

15 MARYLAND AND DELAWARE SECTION

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### GENERAL SUMMARY

April was cool, dry, rather windy, and unusually sunshiny. This was the third successive April, with temperature and precipitation below normal. Monthly snowfall was light, and confined to the Allegheny Mountain region. Monthly sunshine was 10 per cent above normal and the greatest in April since 1899. Relative humidity was low, averaging close to 10 per cent below normal. Most of the precipitation fell during the rainy period of 8-12th, which improved the water supply. The features of the month were the prolonged cool spell of 8-18th, and the unusually long period of mostly clear sky, abundant sunshine, and dry, pleasant weather from 14th to 24th, inclusive. Strong winds were frequent, but not damaging.

The 1st, 4th, 8-18th, 24-25th, and 27-28th were cool; the 5-7th and 19th were slightly mild; and the 2-3d, 20th-23d, and the 29-30th were warm. Change to cooler at night of 3d and of 23d was pronounced.

Freezing temperatures occurred over entire section on 4th and 14-17th; also in western and central divisions on 1st-2d, in the interior of the southern Eastern Shore on 2d, 13th, 19-20th, in central and eastern divisions on 5th, in western and north-central Maryland on 7th, 13th, and 18-20th, and in the Allegheny Mountain region on 3d; 5th, 12th, 21st-24th, and 27-29th.

Monthly precipitation averaged 62 per cent of normal. Totals were mostly between 1 and 2 inches in the northern-border counties and in the west-central portion of the Eastern Shore; to the southward thereof they were between 2 and 4 inches.

Monthly snowfall averaged one-fourth of normal. Flurries occurred in western Maryland on the 1st and 2d. Light snow fell in the Allegheny Mountain region and flurries occurred in northern-border counties to eastward thereof on 12th, 13th, and 27th.

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### TEMPERATURE

The monthly mean for the section, 50.5°, is 1.9° below normal. The highest monthly mean was 54.3°, at Crisfield; the lowest, 43.6°, at Grantsville and Sines. The highest temperature was 84° at Keedysville on the 23d; the lowest, 16°, at Sines on the 14th. The greatest monthly range was 61° at Frostburg; the least, 41°, at Solomons. The greatest daily range was 50°, at Hancock on the 2d and 29th.

### PRECIPITATION

The monthly average for the section, 2.21 inches, is 1.36 inches below normal. The greatest monthly amount was 4.14 inches at Crisfield; the least, 0.87 inch at Western Port. The greatest 24-hour amount was 2.19 inches at Mechanicsville on the 8-9th. The monthly average snowfall for the section, 0.3 inch, is 0.9 inch below normal. The greatest monthly snowfall was 5.5 inches at Sines; the least, a trace in northern-border counties to eastward of the Allegheny Mountains. The number of days with 0.01 inch or more, 8, is 2 below normal.

### MISCELLANEOUS PHENOMENA (WITH DATES)

Fogs, dense.—Clear Spring, 11; Darlington, 26; Parkton, 25, 26; Princess Anne, 6; State Sanatorium, 9, 10, 11.

Hail light.—Bell, Chewsville, and southern Baltimore County, 26; Sines, 5.

Halos, solar.—4, 5, 13, 20, 21, 23, 24. Lunar: 16, 17, 20, 21.

Rainbows.—La Plata, 2; Baltimore, 2, 26.

Sun-dog.—Grantsville, 6.

Thunderstorms.—Western and central divisions, 5; locally in eastern division, 8; Somerset and southern Worcester Counties; 10; southern half of section, 25; entire section, 26.

Winds, high.—Over section: northwest, 3, 16, 17, 26, 27; southwest, 2, 12, 13, 30. On Coast: northwest, 4, 6, 7; northeast, 9, 10.

### PRESSURE, HUMIDITY, SUNSHINE AND WIND

Stations	Atmospheric pressure reduced to sea level				Mean relative humidity			Sunshine		Wind†					
	Average	Highest	Date	Lowest	Date	8 a. m.	Local a. m.	8 p. m.	Hours	Percentage	Average hourly velocity	Highest			
												Miles	Direction	Date	
Aberdeen, Md.	29.96	30.53	4	29.47	11	79	61	73	272	68	9.1	w.	36	nw.	3
Baltimore Md.	29.96	30.54	4	29.46	12	60	46	50	273	69	11.9	sw.	40	nw.	2
Elkins, W. Va.	30.01	30.49	4	29.58	11	73	45	56	219	55	7.3	nw.	24	w.	2
Harrisburg, Pa.	29.95	30.54	4	29.42	12	66	50	50	273	68	9.2	nw.	27	sw.	30
Norfolk, Va.	29.99	30.50	4	29.48	11	70	47	58	284	72	12.8	s.	39	w.	20
Philadel'ia, Pa.	29.97	30.50	4	29.38	12	60	44	49	269	67	14.3	nw.	42	nw.	3
Pittsburgh, Pa.	29.99	30.56	4	29.52	11	67	43	49	265	66	10.3	w.	34	w.	12
Wash'ton, D. C.	29.97	30.54	4	29.47	12	62	41	45	249	63	8.5	nw.	27	nw.	12

†Velocity of wind in miles per hour by 4-cup anemometer.

### COMPARATIVE DATA FOR MARYLAND AND DELAWARE FOR APRIL

Years	Temperature			Precipitation				Number of days				
	Mean	Highest	Lowest	Average	Greatest local	Least local	Greatest 24-hour rain	Average snow-fall	Rainy	Clear	Partly cloudy	Cloudy
Normals..	52.4			3.57	10.37	0.38	4.30	1.2	10	13	9	8
Extremes.	102		3									
1895.....	52.3	79	18	4.97	9.28	1.15	3.67	0.1	10	13	7	10
1896.....	55.7	99	12	1.42	2.98	0.49	0.97	0.4	6	12	10	10
1897.....	52.1	94	15	2.98	5.06	2.00	2.76	T.	8	16	8	8
1898.....	50.3	88	6	2.75	5.65	0.57	2.00	2.3	11	11	9	10
1899.....	53.0	94	14	1.60	3.40	0.67	2.10	T.	4	19	7	7
1900.....	52.4	86	16	1.96	3.65	0.64	2.15	0.4	6	16	7	7
1901.....	49.2	90	15	5.69	7.95	3.30	2.90	2.0	11	11	5	14
1902.....	16	102	16	3.45	5.15	1.73	3.20	2.8	8	11	11	8
1903.....	52.4	95	13	4.02	7.02	2.29	2.60	T.	9	13	7	10
1904.....	49.1	87	10	2.46	4.10	1.29	1.60	0.2	9	12	10	8
1905.....	52.8	88	8	2.85	5.60	1.07	1.74	0.6	9	12	12	6
1906.....	54.1	96	10	3.14	5.37	0.38	3.22	T.	7	15	10	5
1907.....	47.0	86	9	3.33	4.69	1.44	2.05	1.8	10	10	10	10
1908.....	54.6	90	19	2.36	4.63	1.07	1.74	T.	10	16	7	7
1909.....	52.7	89	5	3.59	6.16	1.94	3.15	0.3	10	14	8	8
1910.....	57.3	92	20	5.40	10.37	2.74	3.09	0.1	12	11	11	8
1911.....	49.0	88	0	3.25	4.66	1.69	1.50	1.6	11	11	9	10
1912.....	54.7	87	21	2.73	4.73	1.31	1.50	T.	12	11	10	9
1913.....	54.1	90	11	4.51	8.21	1.48	2.90	T.	10	13	8	9
1914.....	51.6	89	15	3.82	6.48	1.87	3.18	0.1	10	13	10	10
1915.....	57.0	100	10	1.66	3.15	0.48	1.98	5.1	6	15	11	4
1916.....	51.4	89	17	3.00	3.94	1.68	1.54	3.9	12	12	9	9
1917.....	52.4	90	15	2.43	3.46	0.99	1.94	3.7	8	14	8	8
1918.....	51.2	83	15	5.69	10.10	2.72	3.85	-5.0	11	10	9	11
1919.....	51.8	88	11	3.42	4.92	1.30	2.04	1.	7	13	9	8
1920.....	51.0	88	12	4.64	6.99	2.55	1.77	-0.5	13	12	9	9
1921.....	56.1	92	16	3.18	4.79	1.85	2.24	1.0	10	12	8	10
1922.....	54.0	93	17	1.90	3.56	0.88	2.12	0.1	9	14	9	7
1923.....	51.5	88	3	4.16	7.09	2.29	4.30	1.0	9	16	7	7
1924.....	50.1	83	13	5.01	7.05	2.76	2.54	5.4	12	14	7	9
1925.....	55.2	97	20	2.55	3.88	1.27	1.10	0.2	11	15	8	7
1926.....	50.0	89	18	1.75	2.68	0.79	1.64	0.4	9	14	9	7
1927.....	50.0	94	18	4.71	7.30	2.87	3.61	1.6	14	12	6	12
1928.....	50.0	85	14	5.86	8.37	4.27	4.00	4.0	12	12	7	11
1929.....	55.4	95	25	6.57	8.43	4.31	3.50	0.2	14	12	8	10
1930.....	50.6	93	18	2.48	3.79	1.20	2.23	0.5	9	13	8	9
1931.....	51.4	84	18	3.08	4.51	1.95	2.02	1.4	9	15	6	9
1932.....	50.5	84	16	2.21	4.14	0.87	2.19	0.3	8	16	7	7

Climatological Data, April, 1932

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), Number of days (With precip. 0.01 in. or more, Clear, Partly cloudy, Cloudy), Prevailing direction of wind, Observers.

The departures from normal temperature and precipitation are computed only for such stations as have 10 or more years of record, but all complete reports are used in determining section or division means. Data in italics determined from surrounding stations. T. 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 Pleasant Hill, Owings Mills. Also on other dates. \*Custom House, Gay and Water Sts. \*\*Weather Bureau Building, 24th and M Sts. §Prettyboy Dam. §§Drum Point Light station. §§§Municipal Building. §§§§Porter Reservoir.



Daily Temperatures for April, 1932

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

§§ Instruments are read in morning; maximum temperature then read is charged to preceding day, on which it almost always occurs. Temperatures at Aberdeen, Baltimore, Sines, and Washington are from midnight to midnight; other stations, except Cumberland are for 24-hour period ending late in afternoon, near sun-set. Data in italics determined from surrounding stations. (W. B. Richmond, Va. 5-26-32-330)