

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

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In Cooperation with Maryland State Weather Service

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE SECTION

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GENERAL SUMMARY

August was warm and wet. It was the first warm month of the year since February. It was the first warm August since 1918 and the first wet August since 1920. Relative humidity was high, except during the last six days. Monthly sunshine was below normal. There was a wet spell of most unusual length, 14 days, from the 12th to the 25th. It was marked by showers from the 12th to the 17th and on the 23d and 24th, and by northeast rains from the 18th to the 22d and on the 25th. The 11-day period of cloudy weather from the 15th to the 25th also was most unusual. Sunshine was abundant from the 1st to the 14th and from the 26th to the 31st. No hail fell.

With the exception of the 15th, which was cool, warm weather prevailed from the 1st to the 17th, marked by a hot wave from the 11th to the 14th. A pronounced cool spell followed, from the 18th to the 25th. The 26th-31st was a period of moderately warm, sunshiny, and pleasant weather. During the hot wave maximum temperatures were 100° or slightly above from the foothills of the Allegheny Mountains eastward to Parris Ridge, and also in the interior of Sussex County. Highest temperatures of the month ranged from 91° at Grantsville to 104° at Frederick, and lowest temperatures from 42° at Grantsville to 63° at Solomons.

Rainfall was unevenly distributed over the section. Monthly amounts were 2.7 to 4.4 inches, or 0.5 to 2.0 inches below normal, in extreme northern Delaware and extreme northeastern Maryland. Elsewhere they were one and one-fourth times to more than twice the normal; ranging between 6.2 and 10.1 inches in the Allegheny Mountain region, between 4.4 and 7.8 inches over the divisions thence eastward to Chesapeake Bay, and between 4.4 and 9.5 inches on the Eastern Shore, except in the extreme northern portion.

The Potomac River above Harpers Ferry became alarmingly high as a result of heavy showers on the 16th and 17th and heavy rains of the 18-20th, but no flood resulted.

*Crops.*—The weather of the month was favorable to growing crops, except that the prolonged wet weather damaged tomatoes, cantaloupes, melons, cucumbers, other vine crops, tobacco, peaches, grain in shock, and hay, and interfered with farming operations.

Threshing of wheat and rye was finished, except in some localities; the yields were good. In the northern counties, except Garrett, harvesting of oats ended during the first decade. In Garrett County considerable oats in shock were damaged by sprouting, as a result of the wet weather; harvesting was resumed after the 25th. Threshing of oats gave fair to good yields. Corn made good progress, and eared in western Maryland; in other divisions ears filled out nicely on the early crop, while the late crop silked. At the close of the month early corn was maturing in the southern counties. Harvesting of sugar corn, a good crop, was in progress. Digging of early potatoes in western Maryland ended during the first half of the month; the crop was fair to good. Late potatoes and sweet potatoes were good. During the last week late potatoes were blooming, except in western Maryland, and digging of sweet potatoes began on the Eastern Shore to southward of Delaware. During the first half of the month tomatoes were ripening in western Maryland and were being harvested in other divisions, but wet weather caused rotting and shortened the crop. Harvesting became general the latter part of this month. Tobacco did well; cutting of the early crop began during the last week. Truck, gardens, minor crops, cowpeas, and soy beans were good. Buckwheat bloomed in Garrett County. Pastures and grasses improved to good to excellent. Haying was in progress during favorable periods. Some plowing was done during the first half of the month.

*Fruits.*—Apples, peaches, and pears continued good to excellent, except that peaches were damaged by the wet weather; harvesting and marketing continued. Harvesting of a fair crop of cantaloupes and a large crop of melons began.—J. B., jr.

PRESSURE

The monthly mean sea-level pressure at Washington and Aberdeen was 30.00; at Baltimore, 29.99 inches. The highest at Washington was 30.21; at Baltimore, 30.23; at Aberdeen, 30.22 inches—all on the 22d. The lowest at Washington and Aberdeen was 29.77; at Baltimore, 29.76 inches—both on the 7th.

TEMPERATURE

The monthly mean for the section, 75.0°, is 1.7° above normal. The highest monthly mean was 78.1° at Solomons; the lowest, 67.7°, at Grantsville. The highest temperature, 104°, occurred at Frederick on the 11th; the lowest, 42°, at Grantsville on the 31st. The greatest local monthly range was 53° at Clear Spring and Hancock; the least, 31°, at Crisfield. The greatest daily range was 43° at Hancock on the 9th.

RELATIVE HUMIDITY

The average percentages of relative humidity were as follows: Washington, D. C., 8 a. m., 84; 12 noon, 64; 8 p. m., 78. Baltimore, Md., 8 a. m., 78; 12 noon, 62; 8 p. m., 74. Aberdeen, Md., 8 a. m., 88; 4 p. m., 74. Philadelphia, Pa., 8 a. m., 82; 12 noon, 69; 8 p. m., 74.

PRECIPITATION

The monthly average for the section, 6.44 inches, is 2.17 inches above normal. The greatest monthly amount was 10.13 inches at Oakland; the least, 2.67 inches, at Wilmington. The greatest 24-hour amount was 3.02 inches at Public Landing on the 21st-22d. The average number of days with 0.01 inch or more, 14, is 4 above normal.

WIND

The prevailing direction for the section was southwest. The total movement at Washington was 3,760; at Baltimore, 6,500; at Aberdeen, 4,617 miles. The maximum velocity at Washington was 42 miles from the northwest on the 16th; at Baltimore, 40 miles from the northwest on the 14th; at Aberdeen, 48 miles from the west on the 14th.

SUNSHINE AND CLOUDINESS

At Washington 56 per cent of the possible sunshine was recorded; at Baltimore, 54 per cent; at Aberdeen, 58 per cent. For the whole section the average number of clear days was 14; partly cloudy, 7; cloudy, 10.

MISCELLANEOUS PHENOMENA (WITH DATES)

*Damage by wind (thundergust).*—On the 12th: Extreme eastern Washington County, in afternoon, from northwest; number of barns unroofed and trees uprooted; property damage in Chewsville district estimated at \$5,000.

*Fogs, light.*—Aberdeen, 1, 6, 7, 9, 10, 11, 17, 19, 24, 25, 26; Baltimore, 1; Fallston, 24, 25, 26; Princess Anne, 7; Solomons, 1, 6; Delaware City, 26.

*Fogs, dense.*—Aberdeen, 24, 25, 26; Frostburg, 1; Princess Anne, 24.

*Thunderstorms.*—1, 2, 3, 5, 7, 12, 13, 14, 15, 16, 17, 18, 24, 30.

*Winds, high.*—Eastern Shore, from northeast and east, 19 to 22. Thundergusts, from northwest, 3, 5, 12, 14, 16; from southwest, 7.

Climatological Data for August, 1926

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 inch or more), Number of days (Clear, Partly cloudy, Cloudy), Prevailing direction of wind, Observers.

The departures from normal temperature and precipitation are computed only for such stations as have ten 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. Reference letters, \*, \*\*, appearing in the table indicate number of days missing; for example, \* represents two days, etc. \*\* Post office 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; of Public Landing, Snow Hill. \*Also on other dates. \*Customhouse Building, Gay and Water Streets. \*\* Weather Bureau Building, 24th and M Streets.

Daily Precipitation for August, 1926

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

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.
\*\*\*Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.
\*\*Precipitation is for 24-hour period, midnight to midnight.
||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours.
\* Precipitation included in the next following measurement.
T. Trace, or less than 0.01 inch. Data in italics determined from surrounding stations.

COMPARATIVE DATA FOR MARYLAND AND DELAWARE FOR AUGUST

Table with columns: Year, Temperature (Mean, Departure from normal, Highest, Lowest, Average), Precipitation (Departure from normal, Greatest local, Least local, Greatest in 24 hours, Snowfall, Number of days with 0.01 inch or more). Rows compare monthly data for 1911 through 1926.

Daily Temperatures for August, 1926

Table with columns for Stations, days 1-31, and Mean. Rows list various stations in Maryland and Delaware, including Aberdeen, Annapolis, Baltimore, etc., with their respective maximum and minimum temperatures for each day.

a, b, etc., indicate respectively 1, 2, 3, etc., days missing from the record. Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. Temperatures at Aberdeen, Baltimore, and Washington are from midnight to midnight; at other stations, except Cumberland and Takoma they are for the 24-hour period ending late in the afternoon, near sunset. Data in italics determined from surrounding stations.