

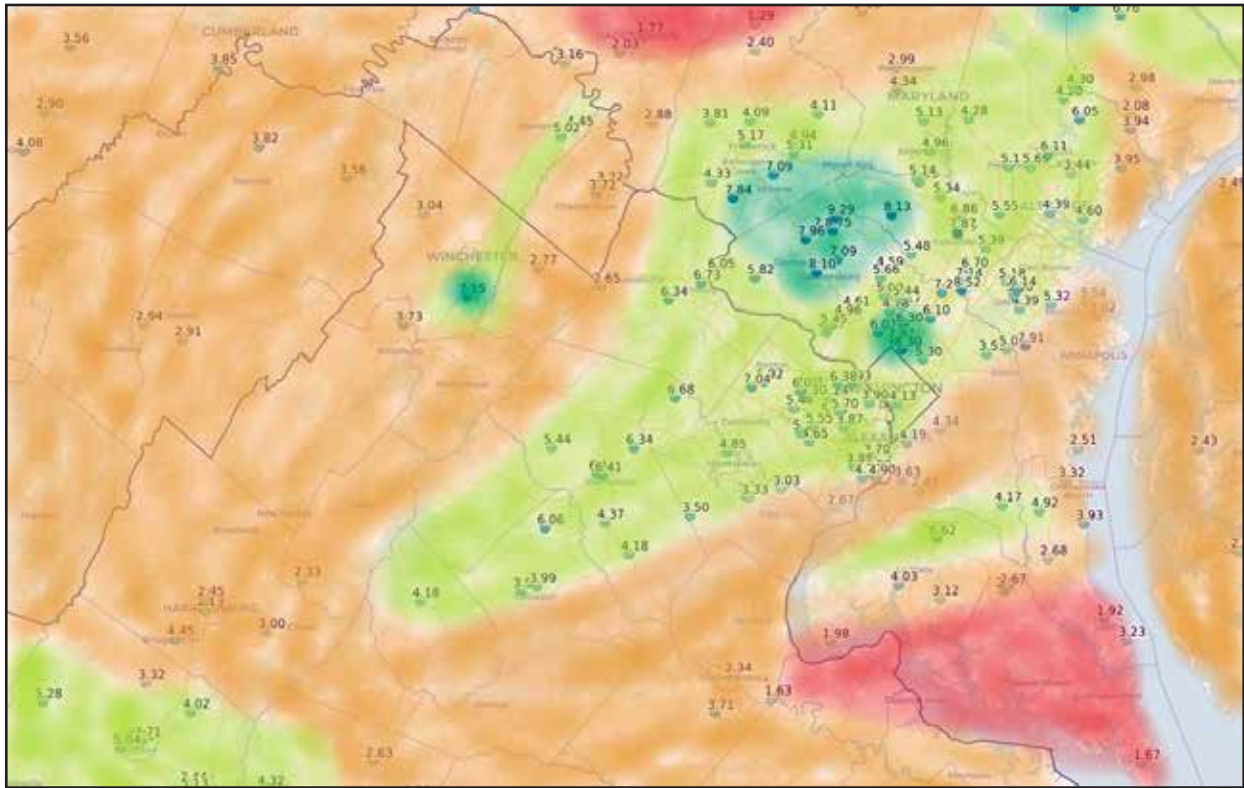


PRESTO

PRECipitation Summary and Temperature Observations
For the Washington, DC and Baltimore, MD Area



JUNE 2020: Warm and Wet with Frequent Severe Weather



Rainfall measurements from CoCoRaHS for June 2020. Dark green: 200% or more above normal. Light green: 125-199% above normal. Orange: 60-125% of normal. Red, less than 60% of normal. Maximum: 9.29" in Montgomery County, MD

June Highlights

- ☁ Hot but not excessively hot: DCA, 77.0°F (+1.8°F), BWI, 75.1°F (+2.7°F) and IAD, 73.7°F (+1.3°F)
- ☁ A heat wave early in the month resulted in IAD setting high maximum temperature records of 95°F on the 3rd and 91°F on the 4th
- ☁ On the 4th-5th, heavy rain resulted in the greatest rainfall in a 2-day period in some areas since December 12th-14th; BWI set a record daily rainfall of 2.18"; thunderstorm winds downed dozens of trees in Virginia and West Virginia on the 4th, and several water rescues were reported in Maryland on the 5th
- ☁ On the 6th, hail and strong marine winds were observed east and southeast of the metro areas; 0.75" hail was measured near Massaponax (Spotsylvania County), VA
- ☁ On the 22nd, thunderstorm wind damage and hail occurred area wide with maximum wind gusts of 66 mph recorded by a buoy near Dahlgren, VA (on Potomac River east of Fredericksburg, VA); 1" hail was observed in Burtonsville (Montgomery County), MD, and nickle-sized hail was reported in Laurel (Prince George's County), MD.
- ☁ On the next day, the 23rd, 1" hail was observed at Inwood (Berkeley County), WV
- ☁ More severe weather occurred on the 25th with wide spread hail and thunderstorm wind damage including 0.75" hail across eastern West Virginia; Montgomery County, MD, also saw wind and hail damage: 1" hail fell in Bethesda, a 70 mph wind gust was measured in Gaithersburg and a 68 mph gust in Germantown
- ☁ On the 27th, widespread wind and flooding occurred from the metro area east; a car was stranded in high water on I-495

June 2020

Temperature: Average monthly temperature for much of the area was above average but not excessively hot: DCA, 77.0°F (+1.8°F), BWI, 75.1°F (+2.7°F) and IAD, 73.7°F (+1.3°F). Dulles recorded its 8th warmest average June monthly temperature on record. On the 3rd and 4th, the metro area marked its first 90°F+ days of the year. IAD set record high temperatures each day with 95°F and 91°F respectively. DCA reached 93°F and 92°F, and BWI soared to 96°F and 92°F. On the 10th and 11th, DCA set record warm low temperatures of 76°F and 74°F and IAD set a record warm low temperature on the 10th of 74°F.

The month included some unseasonably cool days. On June 1-2, area minimums dipped into the 40s and low 50s: DCA, 54°F and 58°F; BWI, 47°F and 52°F and IAD, 46°F and 50°F.

Precipitation: June rainfall reflected localized thunderstorms leaving some areas below normal and others well above: DCA, 3.51" (-0.27"); BWI, 5.95" (+2.49") and IAD, 5.21" (+1.23"). Some areas measured more than 200 percent of normal while others only receiving 50-75 percent of normal. (See graphic).

The greatest rainfall totals were near 8"-9", found both between Frederick (Frederick County), MD, and Rockville (Montgomery County), MD, and along a line from Friendship Heights (N.W. Washington) to North Laurel and Columbia (Howard County), MD. Driest corners totalled less than 2" both from Stafford County, VA across parts of southern Maryland, as well as Hagerstown (Washington County), MD, eastward into northern Frederick County, MD.

The most significant event occurred on the 4th when most of the area measured more than an inch of rain. High rainfall totals in Maryland include 2.90" at Pasadena and 2.65" in Severna Park (Anne Arundel County); in Virginia, 1.92" at Oakton (Fairfax County) and 1.90" in Arlington (Arlington County) and 3.20" in Northwest D.C. DCA recorded 1.26", BWI, a daily record 2.18" and IAD, 1.30".

Severe Weather: The region observed numerous days with severe weather, including strong to severe thunderstorm winds, flooding rains and hail up to 1". In all, there were 8 days with widespread severe weather. On the 6th, hail and strong marine winds were observed to the south of the metro areas; 0.75" hail was measured near Massaponax (Spotsylvania County), VA. On the 22nd, thunderstorm wind damage and hail occurred throughout the area with maximum wind gust of 66 mph recorded by a buoy near Dahlgren, VA (on Potomac River east of Fredericksburg, VA); 1" hail observed in Burtonsville (Montgomery County), MD, and nickle-sized hail fell in Laurel (Prince George's County), MD. Three days later on the 23rd, 1" hail was observed at Inwood (Berkeley County), WV. Then on the 25th, the area again saw numerous hail reports and thunderstorm wind damage with 0.75" hail common across eastern West Virginia. Montgomery County, MD, also saw wind and hail damage: 1" hail fell in Bethesda, a 70 mph wind gust was measured in Gaithersburg, and a 68 mph gust was observed in Germantown. Finally on the 27th, widespread wind and flooding occurred from the metro area eastward, stranding a car in high water on I-495 in Forest Glen (Montgomery County), MD.

June 2020 Weather Statistics for the Washington/Baltimore Area

| Location | Station Temperatures (°F) | | | | | Extreme/Day | | Precipitation (inches) | | | |
|-----------------|---------------------------|-------|------|------|--------|-------------|------|------------------------|------|--------|--------------|
| | AvMx | AvMin | AvgT | NmlT | DepNml | Max | Min | Total | Nml | DepNml | Year to Date |
| National (DCA) | 85.3 | 68.6 | 77.0 | 75.2 | +1.8 | 93/3,27 | 54/1 | 3.51 | 3.78 | -0.27 | 20.61 |
| Baltimore (BWI) | 85.4 | 64.7 | 75.1 | 72.4 | +2.7 | 96/3 | 47/1 | 5.95 | 3.46 | +2.49 | 22.37 |
| Dulles (IAD) | 84.2 | 63.2 | 73.7 | 72.4 | +1.3 | 95/3 | 46/1 | 5.21 | 3.98 | +1.23 | 21.73 |

Looking Ahead to July: With June behind us, what does mid-summer hold? Below are some noteworthy July statistics for DCA: Normal Average Temperature: 79.8°F; Normal Monthly Precipitation: 3.73".

DCA Temperature

Hottest: 1933: Highest Temperature: 106°F

Coollest: Lowest Temperature: 52.0°F: July 4, 1907; July 31, 1895

Most 90°F+ days: 25, 2011

Fewest 90°F+ days: 0, 1891

Most 100°F+ days: 7, 2012

Longest consecutive period of 90°F days: 16, July 3-18, 1993

Longest consecutive period of 100°F+ days: 4, July 19-22, 1930, July 5-8, 2012

DCA Precipitation

Wettest: 1945, Precipitation Total: 11.06"

Driest: 1872, Precipitation Total: 0.82"

Record daily rainfall: 4.69", July 9, 1970