

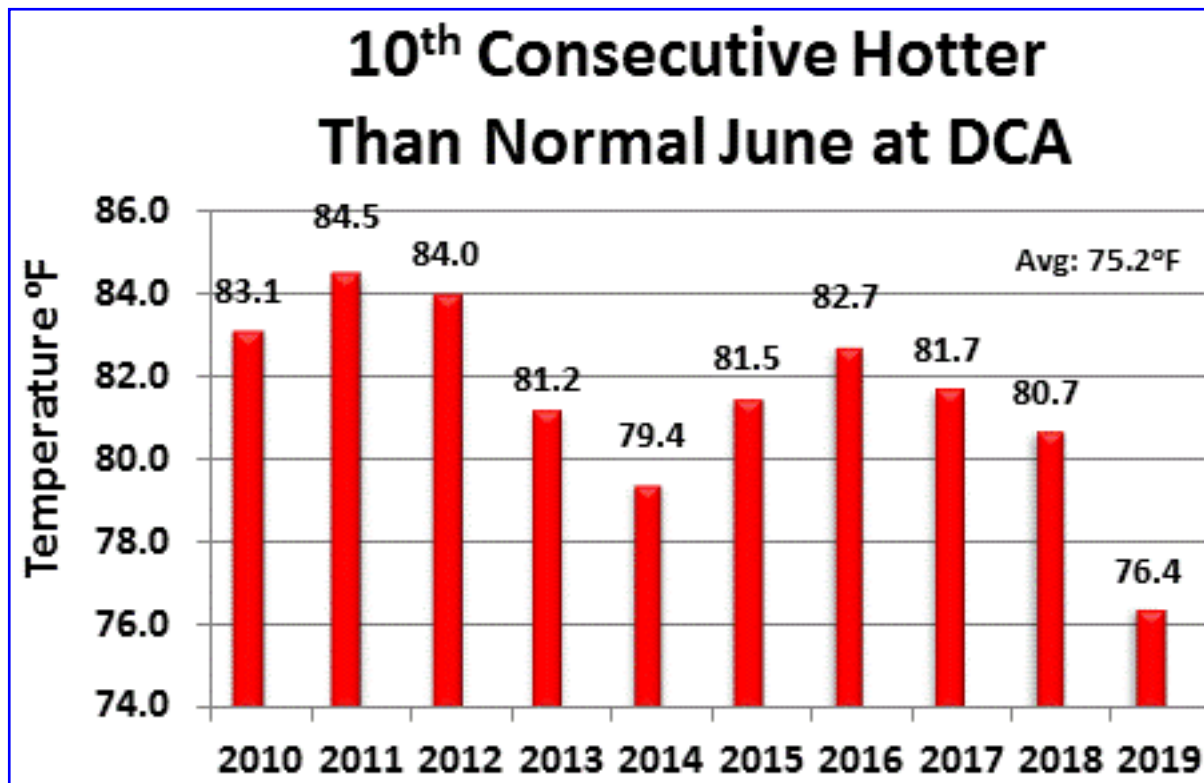


PRESTO

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



JUNE 2019: Above Normal Temperatures with Numerous Severe Weather Events



June Highlights

- ✦ Above average temperatures were reported at all three airports: DCA, +1.2°F; BWI, +2.8°F; IAD, +0.6°F.
- ✦ It was the 10th consecutive June with above normal temperatures at DCA and BWI and 5th at IAD.
- ✦ The season's second heat wave occurred toward month's end with BWI recording readings at or above 90°F from the 24th–30th, DCA from the 25th–30th and IAD from the 26th–30th.
- ✦ BWI recorded 3 consecutive days with maximum readings at or above 95°F: 27th–29th, including 97°F on the 28th and 29th, making the month its warmest June since 2011.
- ✦ On the 2nd, thunderstorm wind damage caused a tree to fall onto a house in both Aspen Hill and in Norbeck (Montgomery County), MD. Many areas were hit with hail including 1.75" hail measured in Rockville (Montgomery County), MD, and in Great Falls (Fairfax County), VA, and 1.25" near American University in D.C.
- ✦ The 17th featured more severe thunderstorms with golf ball size hail (1.75") observed in Leonardtown (St. Mary's County), MD, 1.00" hail near Columbia (Howard County), MD, and 0.88" near Somerset in D.C. Rainfall was heavy in some locations including 2.39" near Dunkirk (Calvert County), MD, and 1.58" near Falls Church (Fairfax County).
- ✦ On the 28th, damaging thunderstorm winds knocked down numerous trees, blocking roads, falling onto wires, and damaging three homes in Suitland-Silver Hill (Prince Georges County), MD. Dozens of trees were downed across Nelson County, VA. In Anne Arundel County, MD, a vehicle was trapped in high water near Crownsville and Pasadena measured 2.42" of rain.

June 2019

Temperatures: The first month of meteorological summer featured above normal temperatures: DCA, +1.2°F; BWI, +2.8°F; IAD, +0.6°F, marking the 10th consecutive warmer than normal June at DCA and BWI and 5th at IAD. BWI recorded its warmest June since 2011 with a monthly average temperature of 75.3°F. The season's second heat wave occurred toward month's end with BWI recording readings at or above 90°F from the 24th–30th, at DCA from the 25th–30th and at IAD from the 26th–30th. While no temperature records were set, high humidity and readings reached the mid to upper 90s resulting in uncomfortable conditions. BWI recorded 3 consecutive days with maximum readings at or above 95°F from the 27th–29th; at DCA highs were at or above 95°F from the 28th–29th. For the month, DCA and BWI reported 9 days at or above 90°F, and IAD, 8 such days.

Night minimum readings were frequently uncomfortably warm in the cities with DCA recording 14 days with low temperatures at or above 70°F, and BWI, 11 such days. IAD set a record warm low temperature of 72°F on the 20th. In sharp contrast, minimum readings were in the 40s at IAD on the 3rd and 4th, and BWI equaled a calendar day record low of 46°F on the 4th.

Precipitation: Monthly precipitation was varied across the three major airports due to scattered showers and thunderstorms: DCA, 4.27" (+0.49"), BWI, 2.95" (-0.51"), and IAD, 2.44" (-1.54"). The month featured numerous severe weather events. On the 2nd, thunderstorm wind damage caused a tree to fall onto a house in Aspen Hill and in Norbeck (Montgomery County), MD. Large hail was prevalent with 1.75" measured in Rockville (Montgomery County), MD, and in Great Falls (Fairfax County), VA, and 1.25" near American University in D.C. Rainfall was heavy in some areas with 1.71" near Warrenton (Fauquier County), VA.

A soaking rain fell the evening of the 12th–13th with up to an inch measured across the immediate metro area (1.05" at DCA) and significantly greater amounts south and east of Washington/Baltimore, including 2.82" near Huntingtown (Calvert County) and 2.41" near Deale (Anne Arundel County), MD. Severe thunderstorms occurred the afternoon of the 13th in some areas after the steady rainfall abated. Wind damage was the primary hazard with trees downed in Greenwich (Prince William County) and in Manassas, VA, as well as near Wagners Mill (Carroll County), MD.

The 17th featured additional severe thunderstorms. Golf ball size hail (1.75") was observed in Leonardtown (St. Mary's County), MD, with 1.00" hail near Columbia (Howard County), MD, and 0.88" near Somerset in D.C. Rainfall was heavy in some areas including 2.39" near Dunkirk (Calvert County), and 1.58" near Falls Church (Fairfax County), VA. The following day, thunderstorms dumped heavy rainfall including 2.63" near Burke (Fairfax County), 1.42" near Annapolis (Anne Arundel County) and 1.16" at DCA. Then on the 24th, torrential rainfall impacted the Shenandoah area with 2.86" near Madison and 1.74" near Culpeper, VA.

Finally, severe thunderstorms impacted many areas on the 28th–29th. On the 28th, damaging thunderstorm winds knocked down numerous trees, blocked roads and fell onto wires. The storm resulted in damage to three homes in Suitland-Silver Hill (Prince Georges County), MD, and downed dozens of trees across Nelson County, VA. In Anne Arundel County, a vehicle was trapped in high water near Crownsville and Pasadena measured 2.42" of rain. On the 29th, golf ball size hail (1.75") struck Bowleys Quarters (Baltimore County), MD, and ping pong size (1.50") pelted Belle Haven (Fairfax County). A tree crashed onto a car near Scarboro (Harford County), MD, and dozens of trees fell across Fredericksburg, VA.

June 2019 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) | 85.2 | 67.5 | 76.4 | 75.2 | +1.2 | 96/29 | 54/4 | 4.27 | 3.78 | +0.49 | 22.30 |
| Baltimore (BWI) | 85.9 | 64.6 | 75.3 | 72.5 | +2.8 | 97/28,29 | 46/4 | 2.95 | 3.46 | -0.51 | 20.85 |
| Dulles (IAD) | 83.9 | 62.1 | 73.0 | 72.4 | +0.6 | 95/27,20 | 44/4 | 2.44 | 3.98 | -1.54 | 22.32 |

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: 2012 (High Temperature: 104°F)

Coollest: 1897 (Minimum Temperature: 43.0°F)

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)

Record monthly high: 106°F (July 20, 1930, tied with August 6, 1918)

Record monthly low: 52°F (July 4, 1919 and July 31, 1895)

DCA Precipitation

Wettest: 1945 (Precipitation Total: 11.06")

Driest: 1872 (Precipitation Total: 0.82")

Record daily rainfall: 4.69" (July 9, 1970)