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

## JUNE 2018: Near Normal Temperatures; More Significant Flooding Events



## June Highlights

* Slightly above normal temperatures: $+1.0^{\circ} \mathrm{F}$ at DCA and $+0.2^{\circ} \mathrm{F}$ at BWI and IAD
* DCA recorded 6 days with highs at or above $90^{\circ} \mathrm{F}$; BWI, 5 such days and IAD, 4 days
* Ninth consecutive June with above normal temperatures at DCA and BWI; fourth consecutive June at IAD
* Torrential rainfall first 3 days: On the $3^{\text {rd }}$, soaking rain dumped $3^{\prime \prime}$ to more than 5 " of rainfall, resulting in flooded roads and overflowing creeks, streams and rivers already high from heavy May rainfall events. Highest rainfall amounts in Maryland included 5.39" near Eldersburg (Carroll County), 5.29" near Henryton (Howard County), and 5.29 " near Linden (Warren County). Closer in suburbs totals included 4.82" in Greenbelt (Prince Georges County), MD, 3.30" near Lincolnia (Fairfax County), VA, and 2.75" at the National Arboretum in Washington. On the $1^{\text {st, }}$, totals included 3.24" near Alonzaville (Shenandoah County), VA, and 2.49" in Frederick, MD, where some roads were flooded.
* On the $21^{\text {st }}$, Shenandoah area of Virginia was pounded by torrential downpours with 6.14" measured in Madison and 4.24" near Culpeper. Most of the county roads flooded across Madison County and officials were forced to close eight roads across Greene County.


## June 2018

Temperatures: Slightly above normal temperatures were reported at the three major airports: DCA, $+1.0^{\circ} \mathrm{F}$; at DCA, BWI and IAD, $+0.2^{\circ}$. DCA recorded 6 days with highs at or above $90^{\circ} \mathrm{F}$ including a monthly maximum of $95^{\circ} \mathrm{F}$ on the $19^{\text {th }}$; BWI marked 5 such days including a monthly maximum of $96^{\circ} \mathrm{F}$ on the $30^{\text {th }}$ and IAD, 4 such days including a monthly maximum that equaled a calendar day record of $94^{\circ} \mathrm{F}$ on the $18^{\text {th }}$.

In sharp contrast, maximum readings held in the 60 s on the $11^{\text {th }}$, including a daily record low maximum reading of $65^{\circ} \mathrm{F}$ at IAD. The heat island at DCA was pronounced in relation to minimum temperatures. Minimum readings were at $70^{\circ} \mathrm{F}$ or greater on 15 days, including a record high minimum of $77^{\circ} \mathrm{F}$ on the $19^{\text {th }}$, while BWI and IAD recorded only two such occurrences. IAD did equal a calendar day record for a record high minimum temperature at $71^{\circ} \mathrm{F}$ on the $19^{\text {th }}$. It was the ninth consecutive June with above normal temperatures at DCA and BWI (cover graphic); 4th consecutive June at IAD.

Precipitation: For the third consecutive month, precipitation was above normal at DCA, BWI and IAD: DCA, 5.21" $\left(+1.43^{\prime \prime}\right)$, BWI, $4.77^{\prime \prime}\left(+1.31^{\prime \prime}\right)$ and IAD, $4.17^{\prime \prime}\left(+0.19{ }^{\prime \prime}\right)$. Across much of the region, the majority of the rainfall occurred the first 3 days and was especially prevalent on the $3^{\text {rd }}$ when an all-day soaking rain dumped 3 " to more than 5 " of rainfall, resulting in flooded roads along with overflowing creeks, streams and rivers already high from antecedent wet conditions. Highest rainfall amounts in Maryland included 5.39" near Eldersburg (Carroll County), 5.29" near Henryton (Howard County), and 5.29" near Linden (Warren County). Closer in suburbs totals included 4.82" in Greenbelt (Prince Georges County), MD, 3.30" near Lincolnia (Fairfax County), VA, and $2.75^{\prime \prime}$ at the National Arboretum in DC. More isolated but heavy rainfall on the $1^{\text {st }}$ (which also flooded some roads) included 3.24 " near Alonzaville (Shenandoah County), VA, and 2.49" in Frederick, MD.

Another prolific rainmaker occurred in the Shenandoah area of Virginia on the $21^{\text {st }}$ where 6.14 " fell in Madison and 4.24 " near Culpeper. The torrential downpours flooded most of the county roads across Madison County and forced officials to close eight roads across Greene County.

While less extreme, on the $10^{\text {th }}$ heavy rainfall north and west of the metro areas included 2.89 " at Shenandoah Valley Airport (Augusta County), VA, and 2.74" in Lisbon (Howard County), MD. On the 18 ${ }^{\text {th }}$, damaging thunderstorm winds in Maryland took down multiple trees and wires with one tree landing on a house in Sykesville, (Carroll County). Winds also blew down multiple trees and blocked roads near Pikesville (Baltimore County). The following day, strong thunderstorm winds caused a large tree to fall and blocked roads near Anacostia and the National Zoo in DC. Rainfall amounts included 1.51" near Fredericksburg, (Spotsylvania County) VA, 1.43" near Oxon Hill (Prince George's County), MD and 1.12" at DCA.

## June 2018 Weather Statistics for the Washington/Baltimore Area

|  | Station Temperatures ( ${ }^{\circ} \mathrm{F}$ ) |  |  |  | Extreme/Day |  |  | Precipitation (inches) |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Location | AvMx | AvMin | AvgT | NmIT | DepNmI | Max | Min | Total | NmI | DepNmI | Yr to Date |
| National (DCA) | 84.5 | 67.8 | 76.2 | 75.2 | +1.0 | $95 / 19$ | $56 / 4$ | 5.21 | 3.78 | +1.43 | 25.18 |
| Baltimore (BWI) | 82.5 | 62.9 | 72.6 | 72.4 | +0.2 | $96 / 30$ | $50 / 12$ | 4.77 | 3.46 | +1.31 | 24.69 |
| Dulles (IAD) | 82.5 | 62.8 | 72.6 | 72.4 | +0.2 | $94 / 18$ | $52 / 5,12$ | 4.17 | 3.98 | +0.19 | 24.82 |

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

## DCA Temperature

Hottest: 2012 (High Temperature: $104^{\circ} \mathrm{F}$ )
Coolest: 1897 (Minimum Temperature: $43.0^{\circ} \mathrm{F}$ )
Most 90${ }^{\circ}+$ days: 25 (2011)
Fewest $90^{\circ} \mathrm{F}+$ days: 0 (1891)
Most $100^{\circ} \mathrm{F}+$ days: 7 (2012)
Longest consecutive period of $90^{\circ}$ F days: 16 (July 3-18, 1993)
Longest consecutive period of $\mathbf{1 0 0}^{\circ} \mathrm{F}+$ days: 4 (July 19-22, 1930, July 5-8, 2012)
Record monthly high: $106^{\circ}$ (July 20, 1930, tied with August 6, 1918)
Record monthly low: $52^{\circ} \mathrm{F}$ (July 4, 1919 and July 31, 1895)

