

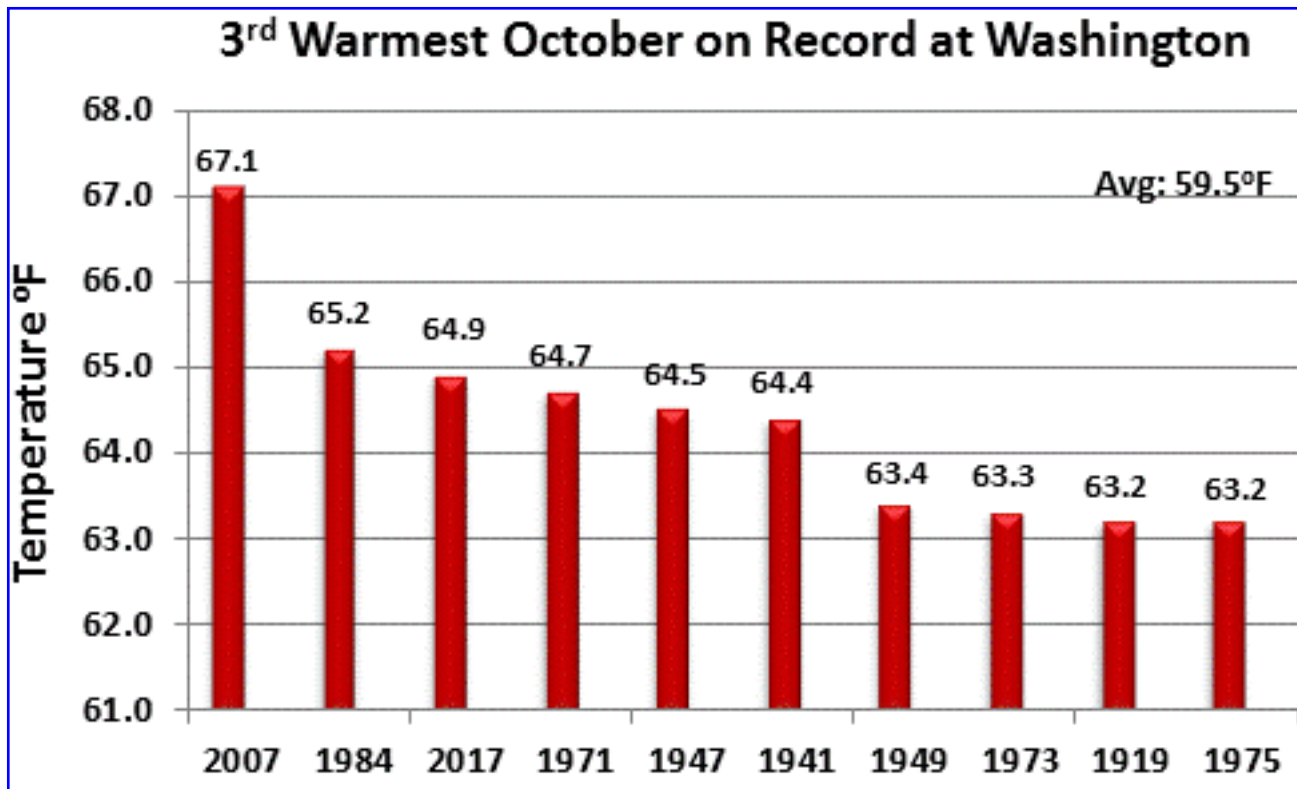


# PRESTO

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



## OCTOBER 2017: Exceptional Warm and Slightly Drier than Normal



### October Highlights

- Well above normal temperatures: +5.4°F at DCA, +5.5°F at BWI and +5.1°F at IAD
- Third warmest on warmest on record at DCA, Fourth at IAD and warmest since 2007 at BWI
- Six consecutive days with highs at or above 80°F at all three major airports from the 5<sup>th</sup>-10<sup>th</sup>; IAD maximum reading of 87°F on the 10<sup>th</sup> set calendar day record
- DCA's minimum of 75°F on 8<sup>th</sup> was its warmest minimum October reading on record
- Extended dry spell with no measurable rainfall ended on 8<sup>th</sup>; first measurable rainfall since September 14 at DCA and IAD (24 days) and at BWI since September 18 (19 days)
- On the 29<sup>th</sup>-30<sup>th</sup>, heavy rainfall of 1"-2" soaked the area: highest amounts included 3.00" in Charlottesville, (Albemarle County) VA; 2.35" near Bel Air (Harford County), MD, and 1.25" at the National Arboretum in Washington, D.C. Strong winds behind the system downed a tree closing P Street NW in Rock Creek (D.C.) and Beach Drive near the Maryland/D.C. state line; wires were downed near Arcola (Loudoun County), VA, and a tree downed in Upper Marlboro (Prince Georges County), MD.

## October 2017

**Temperature:** Exceptionally warm conditions prevailed during autumn's middle month: DCA, +5.4°F; BWI, +5.5°F; and IAD, +5.1°F, resulting in the 3<sup>rd</sup> warmest October on record in Washington (see cover), 4<sup>th</sup> warmest on record at IAD and warmest since 2007 at BWI. The month featured late summer warmth on 6 consecutive days, 5<sup>th</sup>-10<sup>th</sup>, with highs at or above 80°F at all three major airports. IAD's maximum reading of 87°F on the 10<sup>th</sup> set a calendar day record. This period was the longest stretch of temperatures at or above 80°F in October at DCA, BWI and IAD since 2013, which also featured 6 such days at all three airports. DCA recorded 17 days with maximum temperatures at or above 70°F, while BWI and IAD reported 15 such days. Minimum readings were also newsworthy: From the 8<sup>th</sup>-10<sup>th</sup>, overnight readings held in the summer-like 70s and set records each day in Washington. DCA's minimum of 75°F on the 8<sup>th</sup> was its warmest minimum October reading on record. BWI recorded minimum readings of 74°F on the 8<sup>th</sup> and 72°F on the 9<sup>th</sup> were both records as was the 73°F at IAD on the 8<sup>th</sup>.

The month did feature some cooler weather. Minimum readings dropped into the chilly 30s on 6 days at IAD and 4 days at BWI, but the area reported no freezing temperatures.

**Precipitation:** While not as excessively dry as September, drier than normal conditions continued through October: DCA 2.02" (-1.38"); BWI, 2.99" (-0.34") and IAD, 3.15" (-0.10"). The region finally received measurable rainfall on the 8<sup>th</sup>, the first such rain since September 14 at DCA and IAD (24 days) and at BWI since September 18 (19 days). On the 9<sup>th</sup>, more substantial rainfall was measured when the remnants of Tropical Depression Nate brought 0.50" to 0.75" rainfall across much of the region, with highest amounts near Sabillasville (Frederick County), MD, 1.66" and at Mount Weather (Loudoun County), VA, 1.10". A few days later on the 11<sup>th</sup>, more welcome rain soaked the region with highest totals 1.23" near Rixeyville, (Culpeper County), VA, and 1.19" in Elkridge (Howard County), MD and Silver Spring (Montgomery County), MD.

The next storm system impacted the area late on the 23<sup>rd</sup> into the 24<sup>th</sup>. Heaviest rainfall was measured at Montebello Fish Cult (Nelson County), VA, 1.60", and Winfield (Carroll County), MD, where 1.08" was measured. Following the event, gusty winds prevailed with peak gusts up to 54 mph near Ridge (St. Mary's County), MD, and at Point Lookout, (St. Mary's County) MD.

The month's final event occurred on the 29<sup>th</sup>-30<sup>th</sup>, bringing 1"-2" to most of the area. Highest amounts included 3.00" in Charlottesville, (Albemarle County) VA, 2.35" near Bel Air (Harford County), MD, and 1.25" at the National Arboretum in D.C. BWI reported 1.31" on the 29<sup>th</sup>, its first calendar day of 1" or greater in exactly 3 months, while IAD's total of 1.03" on the 29<sup>th</sup> was its first calendar day of 1 inch or greater since August 11. Strong winds behind the system downed a tree closing P Street NW in Rock Creek (D.C.) and Beach Drive near the MD/DC state line. Wires were downed near Arcola (Loudoun County), VA, and a tree downed in Upper Marlboro (Prince Georges County), MD.

### October 2017 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
<b>National (DCA)</b>	73.7	56.2	64.9	59.5	+5.4	86/9,10	43/27	2.02	3.40	-1.38	33.10
<b>Baltimore (BWI)</b>	72.6	50.6	61.6	56.1	+5.5	86/9,10	35/27	2.99	3.33	-0.34	35.18
<b>Dulles (IAD)</b>	72.9	49.3	61.1	56.0	+5.1	87/9,10	33/27	3.15	3.05	-0.10	37.90

**Looking Ahead to November:** The first inch or greater snowfall at DCA during the 2016-17 snow season occurred on January 30 (1.0"). Listed below are the dates when the first inch or more of snow was measured at DCA in the last 10 years.

First Inch of Snow at DCA for Last 10 years			
<b>2016-2017</b>	<b>January 30</b>	<b>2011-2012</b>	<b>Did Not Occur</b>
<b>2015-2016</b>	<b>January 22</b>	<b>2010-2011</b>	<b>December 16</b>
<b>2014-2015</b>	<b>January 6</b>	<b>2009-2010</b>	<b>December 18</b>
<b>2013-2014</b>	<b>January 2</b>	<b>2008-2009</b>	<b>January 27</b>
<b>2012-2013</b>	<b>March 25</b>	<b>2007-2008</b>	<b>December 5</b>