

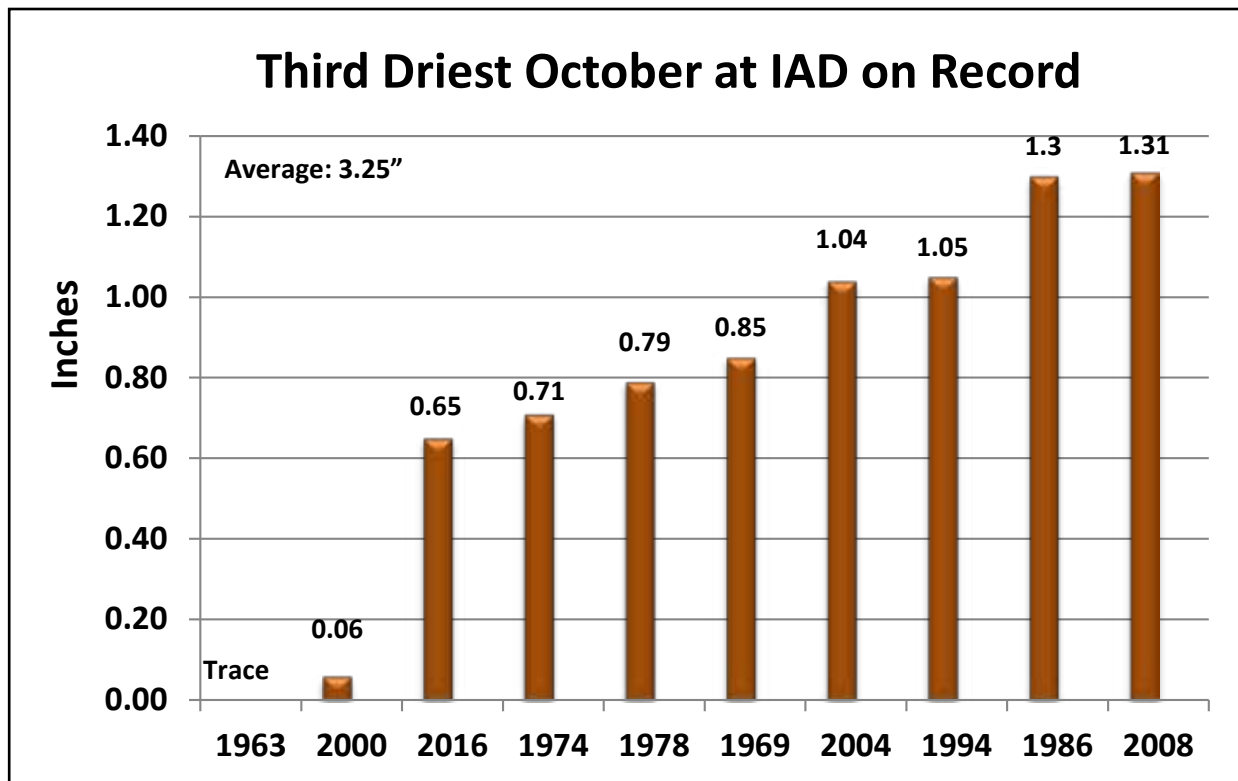


# PRESTO

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



## OCTOBER 2016: Warmest Since 2007 and Driest Since 2000 at IAD; 2001 at DCA and BWI



### October Highlights

- Well above normal temperatures were reported at the three major airports: DCA, +3.6°F; BWI, +3.5°F; and IAD, +3.4°F
- Record warmth (17<sup>th</sup>-21<sup>st</sup>) resulted in the warmest 5 consecutive days on record at DCA and IAD (5<sup>th</sup> warmest period at BWI) for the second half of October. BWI set record highs of 84°F on the 18<sup>th</sup> and 87°F the following day. IAD recorded a record maximum reading of 84°F on the 17<sup>th</sup>, 85°F on the 18<sup>th</sup>, 87°F on the 19<sup>th</sup> and equaled a record 83°F on the 20<sup>th</sup>
- BWI and IAD recorded their first freeze of the season on the 26<sup>th</sup> with minimum readings of 30°F at IAD and 32°F at BWI
- Very dry across the region with less than one inch of precipitation at all three major airports, first such occurrence since February 2009 at IAD and since November 2012 at DCA and BWI
- Rainfall from Hurricane Matthew reached as far north as the southern and eastern suburbs. Totals in Maryland included 3.19" near Ridge (St. Mary's County), 2.83" near Patuxent River (Calvert County) and 1.84" near Riva, (Ann Arundel County); in Virginia totals included 2.30" near Fredericksburg and 2.08" in Spotsylvania County

## October 2016

**Temperatures:** The three major airports reported well above normal temperatures: DCA, +3.6°F; BWI, +3.5°F; and IAD, +3.4°F, resulting in the warmest October at all three locations since 2007. A period of record warmth (17<sup>th</sup>-21<sup>st</sup>) resulted in the warmest 5 consecutive days on record at DCA and IAD (5<sup>th</sup> warmest period at BWI) for the second half of October. BWI established record highs of 84°F on the 18<sup>th</sup> and 87°F the following day. IAD recorded a record maximum reading of 84°F on the 17<sup>th</sup>, 85°F on the 18<sup>th</sup>, 87°F on the 19<sup>th</sup> and equaled a record 83°F on the 20<sup>th</sup>, leading to its 4<sup>th</sup> warmest October on record. While DCA did not break any high temperature records, highs were above 80°F from the 17<sup>th</sup>-20<sup>th</sup>, leading to its 11<sup>th</sup> warmest October on record. Maximum temperatures soared to 80°F or greater once again on the 30<sup>th</sup>, including a record 84°F at IAD and equaling a record for the date of 83°F at BWI.

There were also numerous record warm minimum readings during the month. DCA's low of 68°F set a new record while its minimum of 65°F the previous day tied the mark for the date. On the 20<sup>th</sup>, BWI's minimum of 65°F equaled a record for the date while at IAD, lows of 64°F on the 19<sup>th</sup> and 65°F on the 20<sup>th</sup> broke records.

In sharp contrast, many suburban locations, including BWI and IAD, recorded their first freeze of the season on the 26<sup>th</sup> with minimum readings of 30°F at IAD and 32°F at BWI.

**Precipitation:** October was very dry across the region with less than one inch of precipitation at all three major airports, first such occurrence since February 2009 at IAD and since November 2012 at DCA and BWI. Rainfall totals were 0.90" at DCA (-2.50"); 0.78" at BWI (-2.55") and 0.65" at IAD (-2.60"), resulting in their 3<sup>rd</sup> driest October on record and driest since 2000 (see graphic). It was also the driest since 2001 at DCA and equaled the 2001 monthly total at BWI.

Still some areas did receive beneficial rain. On the 1<sup>st</sup>, the last vestiges of a late September storm system impacted areas in Maryland east of the metro areas. Rainfall totaled 1.16" near Deale (Ann Arundel County) and 1.09" near Prince Frederick (Calvert County).

A week later, rainfall from Hurricane Matthew reached as far north as the southern and eastern suburbs. Totals in Maryland included 3.19" near Ridge (St. Mary's County), 2.83" near Patuxent River (Calvert County) and 1.84" near Riva, (Ann Arundel County); In Virginia, totals included 2.30" near Fredericksburg and 2.08" in Spotsylvania County.

Strong winds were observed across the entire area on the 22<sup>nd</sup>, resulting in downed trees near Sperryville (Rappahannock County), VA. Peak winds gusted to 51 mph near Bloomfield (Frederick County), MD, and to 47 mph at IAD, which also reported a peak gust to 50 mph on the 30<sup>th</sup>.

### October 2016 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)	71.5	54.7	63.1	59.5	+3.6	87/19	41/26	0.90	3.40	-2.50	28.33
Baltimore (BWI)	70.2	49.1	59.6	56.1	+3.5	87/19	32/26	0.78	3.33	-2.55	36.24
Dulles (IAD)	70.7	48.2	59.4	56.0	+3.4	87/19	30/26	0.65	3.25	-2.60	31.20

**Looking Ahead to November:** The first inch or greater snowfall at DCA during the 2015-16 snow season occurred on January 22 (6.5"), the start of the "Blizzard of 2016." 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			
2015-2016	January 22	2010-2011	December 16
2014-2015	January 6	2009-2010	December 18
2013-2014	January 2	2008-2009	January 27
2012-2013	March 25	2007-2008	December 5
2011-2012	<i>Did Not Occur</i>	2006-2007	January 21