

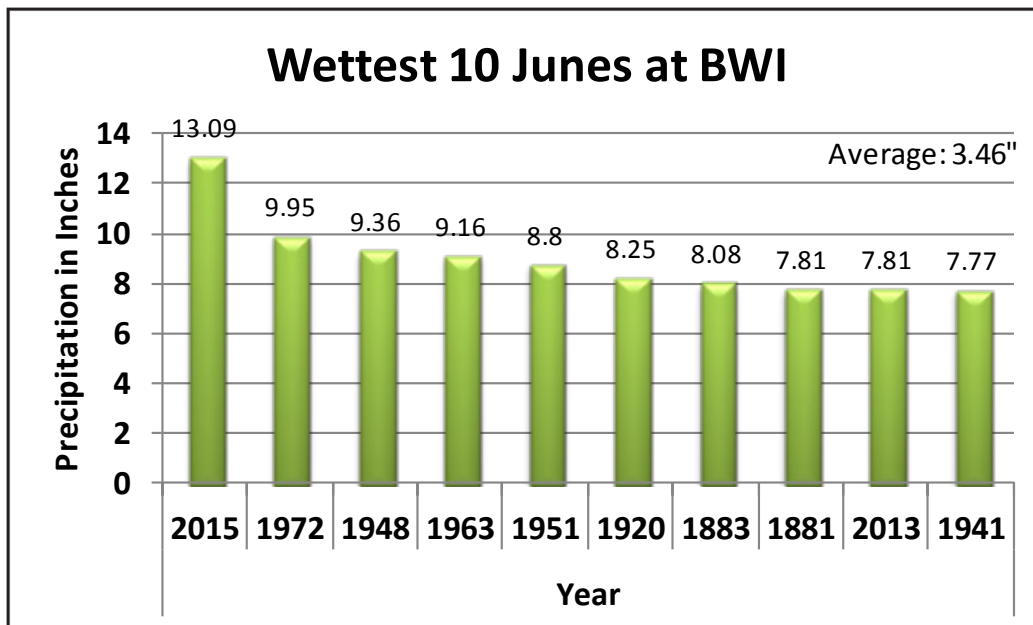


# PRESTO

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



## JUNE 2015: Record Rainfall; Summer's First Heat Wave; Numerous Severe Weather Events



### June Highlights

- Well above normal temperatures: DCA, +2.9°F; BWI, +1.7°F; IAD, +1.0°F
- Sixth warmest June on record in Washington
- Season's first heat wave 11<sup>th</sup>-16<sup>th</sup> with highs at or above 90°F at DCA, including monthly maximum of 96°F on the 16<sup>th</sup>
- DCA reported 18 days with minimums at or above 70°F, including 77°F minimum on the 12<sup>th</sup> (new record), 75°F on the 13<sup>th</sup> (record equaled) and 78°F on the 14<sup>th</sup> (new record); 8 days with minimums at or above 75°F in Washington, most on record
- DCA and BWI recorded their sixth consecutive June with above normal temperatures
- Wettest June on record at BWI; 4<sup>th</sup> wettest month of all-time. It was the 2<sup>nd</sup> wettest June on record at DCA, wettest since 2006, with monthly totals of 13.09" at BWI, 11.94" at DCA and 7.44" at IAD, 5<sup>th</sup> wettest June at IAD
- The remnants from Tropical Storm Bill impacted the region on the evening of the 20<sup>th</sup> with isolated tornadoes, damaging thunderstorm winds and flooding rainfall. One fatality was reported in Poolesville, (Montgomery County), MD, when a car struck a fallen tree bringing down electrical wires onto a vehicle. Two EF-0 tornadoes were confirmed: The first in Bristow (Prince William County), and Manassas City, VA, with estimated wind speeds of 85 mph, maximum path width of 100 yards and path length of 2.1 miles; most of the damage occurred at the Broad Run Golf Training Center. A second tornado was confirmed in Tuscarora (Frederick County), MD, with estimated wind speeds of 65 mph, path length of 1.5 miles and a maximum path width of 75 yards, mainly causing tree damage. No injuries or fatalities were reported from either tornado.
- Widespread severe weather occurred on the 23<sup>rd</sup> with hail near Timonium (Baltimore County), MD, measuring 4.0" (grapefruit size); the hail was within 0.5" of the state's record. The storm knocked down six trees near Germantown (Montgomery County), MD, and winds gusted to 64 mph near Damascus and 55 mph at DCA
- On the 27<sup>th</sup>, two EF-1 tornadoes were confirmed in Southern Maryland. The first tornado occurred in Morgantown (Charles County) with wind speeds of 90 mph, path length of 2.1 miles and maximum path width of 100 yards. The second tornado had a long 16.1 miles track with a maximum path width of 800 yards running from Swan Point to Oakville, MD; wind speeds again were up to 90 mph. No injuries or fatalities reported but the tornadoes caused considerable tree and property damage. In the immediate metro area, heavy rainfall resulted in flooded roads and rising waters on area streams and rivers. Rainfall totals were generally 2"-4" with the greatest totals 3.84" near Kingsville (Harford County), MD, and 3.87" near Lorton (Fairfax County), VA. BWI and DCA set daily records: BWI, 3.11", DCA, 2.75" while IAD tied it's record at 1.47"

## June 2015

**Temperatures:** The first month of meteorological summer featured well above normal temperatures: DCA, +2.9°F, BWI, +1.7°F, IAD, +1.0°F. The month marked the sixth consecutive June with above normal temperatures at DCA and BWI. The season's first heat wave occurred from the 11<sup>th</sup>-16<sup>th</sup>, with highs at or above 90°F at DCA, including a monthly maximum of 96°F on the 16<sup>th</sup>. DCA soared to 90°F or greater on 12 days, the most in June since 2010. IAD recorded 7 days with highs at or above 90°F while BWI reported 6 such days. Minimum readings were uncomfortably warm. IAD set a record high minimum of 71°F on the 21<sup>st</sup>. DCA reported 18 days with minimums at or above 70°F, including 77°F on the 12<sup>th</sup> (new record), 75°F on the 13<sup>th</sup> (record equaled) and 78°F on the 14<sup>th</sup> (new record). DCA and BWI recorded the most 70°F or greater minimums (18 and 10 respectively) in June since 2010. IAD tied 2011 with 7. In sharp contrast, maximum readings held in the 60s from the 2<sup>nd</sup>-4<sup>th</sup> at BWI and at 60°F at IAD the 3<sup>rd</sup>.

**Precipitation:** Record to well above normal rainfall saturated the region: DCA, 11.94" (+8.16"), BWI, 13.09" (+9.63") and IAD, 7.44" (+3.46"). BWI recorded its wettest June on record (see cover) and fourth wettest month of all-time. It was the 2<sup>nd</sup> wettest June on record at DCA, wettest June since 2006 at DCA and IAD, 5<sup>th</sup> wettest June at IAD; DCA measured greater than 2" of rain on a record 3 days.

The month featured frequent severe weather. On the 1<sup>st</sup>, hail to 1.75" struck near Karo (Warren County), VA. Thunderstorm winds blew down a tree on K St., NW, in D.C., and 2 feet of water flooded roads in Loch Raven Village (Baltimore County), MD. Rainfall amounts from 1-4+ inches deluged the region. Greatest totals were 4.64" near Bel Air (Harford County), MD, and 4.05" near Severn (Ann Arundel County), MD. BWI and DCA observed a record breaking 2.5" and 2.49", respectively. A week later, thunderstorm winds blew down large trees near Herndon (Fairfax County), VA, and near Rockville (Montgomery County), MD; winds gusted to 52 mph at DCA while 3.33" of rain deluged Kingsville (Harford County), MD. On the 14<sup>th</sup>, thunderstorm winds knocked down a tree near Georgetown in D.C. and 1.0" hail struck Lexington Park (St. Mary's County), MD. Four days later, thunderstorm winds knocked down trees and damage homes in White Oak (Montgomery County), MD, and near Chantilly (Fairfax County), VA.

On the 20<sup>th</sup>, remnants of Tropical Storm Bill brought tornadoes, damaging thunderstorm winds and flooding rainfall. One fatality was reported in Poolesville (Montgomery County), MD. Two EF-0 tornadoes were confirmed. The first tornado ran from Bristow (Prince William County), VA, to Manassas City, with estimated wind speeds of 85 mph, a maximum path width of 100 yards and a path length of 2.1 miles; most of the damage occurred at the Broad Run Golf Training Center. A second tornado struck Tuscarora (Frederick County), MD, with estimated wind speeds of 65 mph, a path length of 1.5 miles and a maximum path width of 75 yards, causing mainly tree damage. No injuries or fatalities were reported from either event. Hail to 0.88" struck near Georgetown in D.C. A funnel cloud was observed near Chancellorsville in Spotsylvania County, VA. A vehicle was stranded in high water in Pumphrey (Anne Arundel County), MD. In all, the event brought 2"-4+" of rain across the area with the greatest amounts 4.10" in Alexandria (Fairfax County), VA, and 3.15" in Oxon Hill, (Prince Georges County), MD.

On the 23<sup>rd</sup>, near record size hail was measured in central Baltimore County near Timonium, MD, measuring 4.0" (grapefruit size) and was within 0.5" of the greatest hail observed in the state. The storms knocked down 6 trees near Germantown (Montgomery County) MD, with winds gusting to 64 mph near Damascus and 55 mph at DCA.

On the 27<sup>th</sup>, two EF-1 tornadoes were confirmed. The first struck Morgantown (Charles County), MD, with wind speeds of 90 mph, path length of 2.1 miles and maximum path width of 100 yards. The second tornado had a long track of 16.1 miles with a maximum path width of 800 yards and ran from Swan Point in Charles County to Oakville in St. Mary's County, with wind speeds also 90 mph. No injuries or fatalities reported but the tornadoes caused considerable tree and property damage. In the metro area, heavy rainfall flooded roads with totals generally 2"-4". The greatest totals were 3.84" near Kingsville (Harford County), MD, and 3.87" near Lorton (Fairfax County), VA. BWI and DCA set daily records of 3.11" and 2.75"; IAD equaled it's record, 1.47".

### June 2015 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	Yr. to Date
National (DCA)	86.1	70.1	78.1	75.2	+2.9	96/16,23	59/3,4	11.94	3.78	+8.16	26.72
Baltimore (BWI)	82.0	65.4	74.1	72.4	+1.7	94/12,23	55/3,5	13.09	3.46	+9.63	30.29
Dulles (IAD)	82.6	64.2	73.4	72.4	+1.0	93/23	54/29	7.44	3.98	+3.46	21.30

**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)