

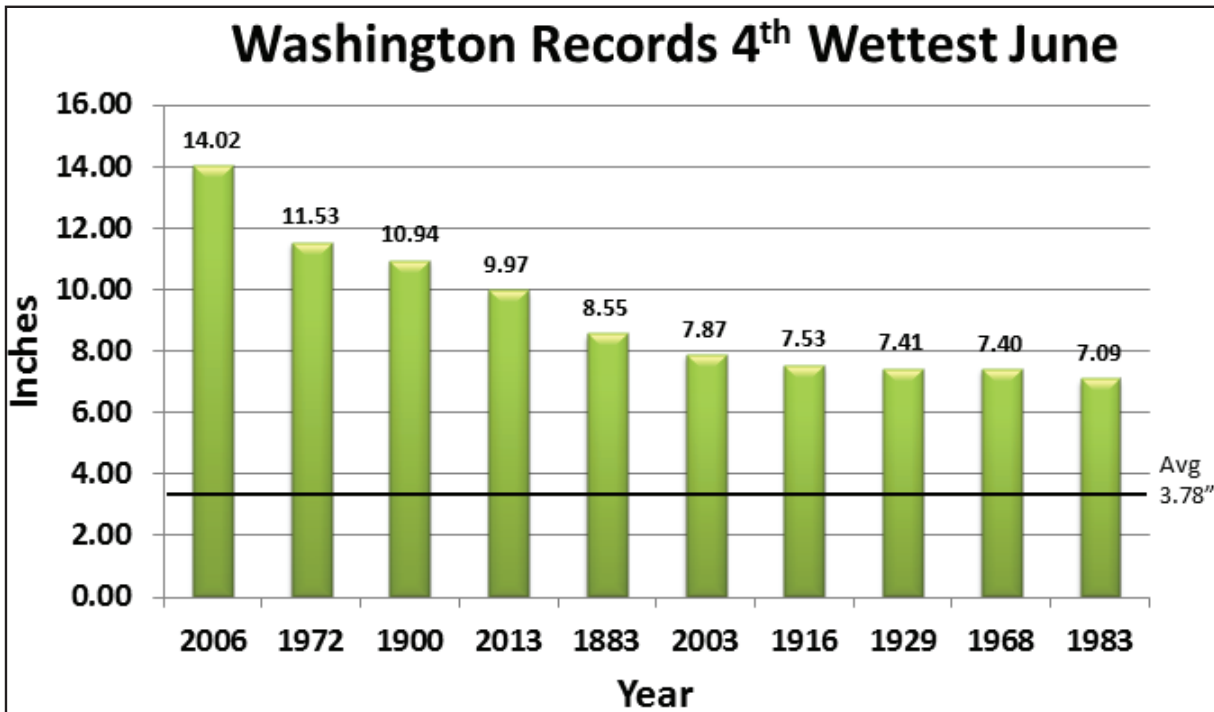


PRESTO

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



JUNE 2013: Excessively Wet, No Excessive Heat, Two Tornado Outbreaks



June Highlights

- ☞ Slightly above normal temperatures at the three major airports: DCA, +1.3°F; BWI, +1.5°F; IAD, +0.8°F
- ☞ DCA observed only 6 days with highs at or above 90°F, BWI and IAD, 4 such days
- ☞ In sharp contrast to June 2010-12, there were no days with maximum readings 95°F or greater at DCA, BWI or IAD
- ☞ Excessively wet at DCA: 9.97" (+6.19") and at BWI: 7.81" (+4.35"); IAD just slightly above normal, 4.64 (+0.66)
- ☞ On 10th, four EF-0 tornadoes struck in Maryland at Fork (Baltimore County), Locust Point (Baltimore City), Coltons Point (St. Marys County) and Woodbine (Howard County). Coltons Point observed 65 mph estimated maximum winds, the other three tornadoes measured 80 mph maximums. Torrential downpours were reported in numerous locations including 5.05" in Damascus (Montgomery County) and 3.85" in Franconia, VA (Fairfax County); DCA marked a daily record of 2.77"
- ☞ On 13th, an 18 mile long track EF-0 tornado moved through Montgomery County, MD. There were no fatalities or injuries. Max wind speeds were 75 mph with a path width of 150 yards. Significant damage occurred to 14 homes from fallen trees in northern Rockville. The Manor Country Golf Club Golf Course in Norbeck lost 30 trees with additional property damage in Aspen Hill and the Layhill area. Additionally, there was a parallel 7 mile path of damage just south of the tornado from southern Rockville to Glenmont.
- ☞ A second long track tornado on the 13th occurred in St. Marys County covering 13.8 miles, with a width of 200 yards and extending from Oakley to California, MD. Four additional EF-0 tornadoes touched down: two in Spotsylvania County, one near Thornburg, with wind speeds to 80 mph causing tree and property damage; and a second near Alsop with winds to 70 mph, causing tree damage; a third in California, MD (St. Mary's County), wind speeds to 75 mph, tree damage, and the fourth in King George County, VA, with wind speeds to 70 mph and tree damage. Additionally, winds gusted to 59 mph in Ashburn, VA (Loudoun County); funnel clouds were observed near Countryside and at BWI; baseball size hail (2.75") struck near Callaway (St. Marys County).

June 2013

Temperatures: Slightly above normal temperatures were observed at the three major airports: DCA, +1.3°F; BWI, +1.5°F; IAD, +0.8°F. In contrast to the previous three Junes, there were no periods of excessive heat; none of the major airports recorded a maximum temperature of 95°F or greater. DCA observed only 6 days with highs at or above 90°F, BWI and IAD, 4 such days. Nighttime low temperatures were uncomfortably high for nearly half of June at DCA, with 13 days at or above 70°F, including a sultry 76°F on June 30. This month marked the 3rd consecutive June and 7th out of the past 10 Junes with above normal readings at the three major airports.

Precipitation: June was excessively wet in many locations with numerous heavy rainfall events and included two significant severe weather outbreaks with tornadoes. Monthly precipitation totals were 9.97" (+6.19") at DCA, 4th wettest June on record, see cover; 7.81" (+4.35") at BWI, and 4.64" (+0.66") at IAD. It was the wettest month in Washington since May 2008 and tied for 7th wettest month in Baltimore.

On the 10th, four EF-0 tornadoes struck in Maryland at Fork (Baltimore County), Locust Point (Baltimore City), Coltons Point (St. Marys County) and Woodbine (Howard County). Coltons Point observed 65 mph estimated maximum winds, the other three tornadoes measured 80 mph maximums. There were no fatalities or injuries but the tornadoes caused tree and some property damage. Torrential downpours were reported in numerous locations including 5.05" in Damascus (Montgomery County), and 3.85" in Franconia, VA (Fairfax County); DCA marked a daily record of 2.77".

Three days later, on the 13th, two rounds of damaging thunderstorms moved through the region. The first line, a weakening Derecho, arrived just after dawn and struck near Reese, MD (Carroll County) with 1.5" hail. A waterspout was observed 3 miles ENE of the Bay Bridge. In the afternoon, a second round of severe weather produced an 18 mile track EF-0 tornado in Montgomery County. There were no fatalities or injuries. Maximum wind speeds were 75 mph with a path width of 150 yards. Falling trees caused significant damage to 14 homes in northern Rockville. The Manor Country Golf Club Golf Course in Norbeck lost 30 trees and there was property damage in Aspen Hill and Layhill. Additionally, there was a parallel 7 mile path of damage just south of the tornado from south Rockville to Glenmont. The second long track tornado that day occurred in St. Marys County, covering 13.8 miles with a width of 200 yards and extending from Oakley to California, MD. Damage was confined to trees. Four additional EF-0 tornadoes touched down: two in Spotsylvania County, one near Thornburg, with wind speeds to 80 mph causing tree and property damage; and a second near Alsop with winds to 70 mph, causing tree damage; California, MD (St. Mary's County), wind speeds to 75 mph, tree damage, and in King George County, VA, with wind speeds to 70 mph and tree damage. Other locations experienced damaging winds, hail and flash flooding. Winds gusted to 59 mph in Ashburn, VA (Loudoun County); funnel clouds were observed near Countryside and at BWI. Baseball size hail (2.75") struck near Callaway (St. Marys County).

June brought several other significant storms. On the 6th-7th, much of the metro area recorded about 2" of rainfall, partially as a result of Tropical Storm Andrea, 3.11" fell near Scottsville, VA (Nelson County) and 2.56" near Severna Park, MD (Ann Arundel County). On the 17th, isolated storms deluged portions of Augusta County, VA, with 5.22" measured near Greenwood. Strong to severe storms also struck on the 24th; winds gusted to 62 mph at Point Lookout (St. Marys County), 59 mph near Leesburg (Loudoun County), and 58 mph at Quantico, VA (Prince William County); numerous tree limbs were downed near Beallsville (Montgomery County). On the 28th, a thunderstorm struck the southern and western D.C. suburbs with winds reaching 61 mph near Ramoth, VA (Stafford County), 1.25" hail struck Mt. Vernon, VA (Fairfax County), and nickel size (0.88") near the National Harbor in Alexandria, VA; DCA observed .75" hail, 53 mph winds and 2.86" of rainfall. The month ended with a water spout near the Bay Bridge and a funnel cloud near Drum Point (St. Marys County).

June 2013 Weather Statistics for the Washington/Baltimore Area

Location	Station Temperatures (°F)					Extreme/Day		Precipitation (Inches)			
	AvMx	AvMn	AvgT	NmIT	DepNml	Max	MinT	Total	Nml	DepNml	YTD
National (DCA)	84.4	68.6	76.5	75.2	+1.3	94/25	59/5	9.97	3.78	+6.19	22.55
Baltimore (BWI)	83.2	64.7	73.9	72.4	+1.5	93/25	53/5	7.81	3.46	+4.35	21.67
Dulles (IAD)	82.6	63.9	73.2	72.4	+0.8	92/25	51/5	4.64	3.98	+0.66	18.63

Looking Ahead to July: With a wet 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: 2011 (Average Temperature: 84.5°F)
Coolest: 1891 (Average Temperature: 72.0°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)