

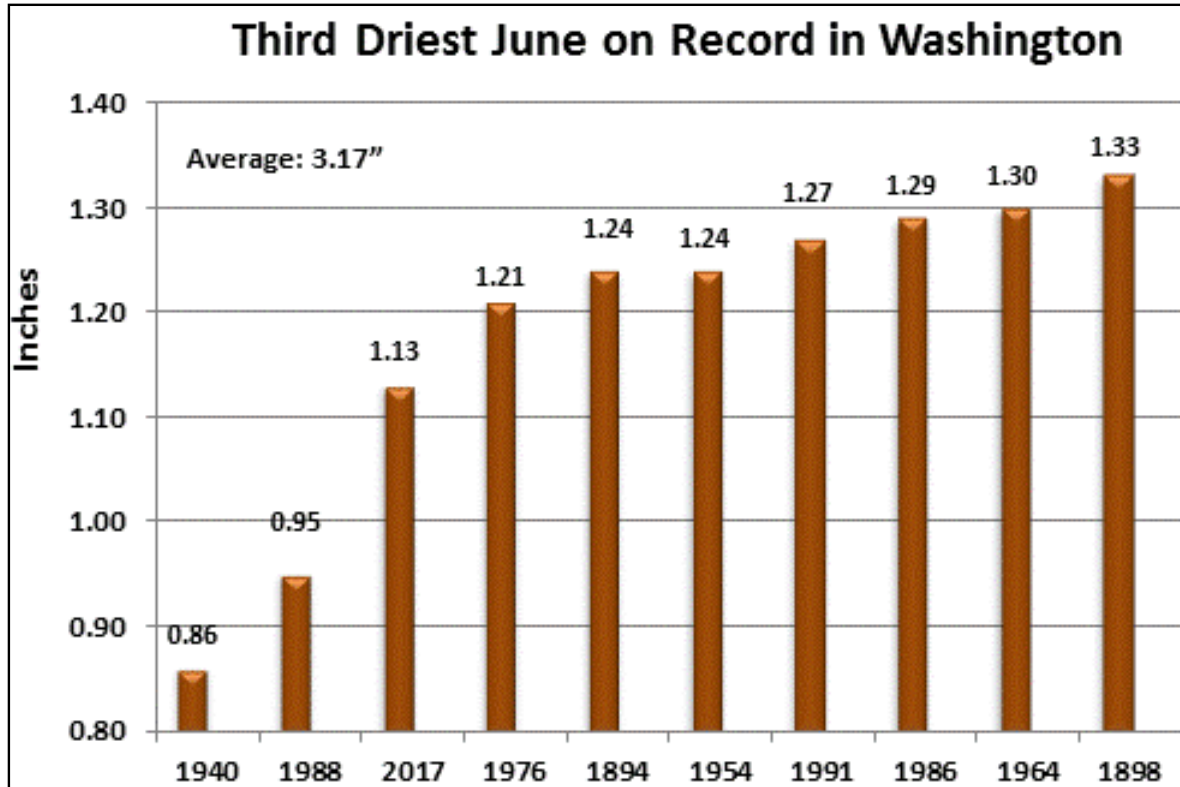


PRESTO

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



JUNE 2017: Very Dry Across the Metro Area; Small Tornado Causes Damage in Silver Spring, MD



June Highlights

- ☀ Above normal readings at the three major airports: +2.1°F at DCA, +1.4°F at BWI and +0.9°F at IAD
- ☀ Eighth consecutive June with above normal temperatures at DCA and BWI and 3rd at IAD
- ☀ Summer's first heat wave occurred from the 11th-14th with maximum temperatures at or above 90°F at DCA and IAD; at BWI, from the 11th-13th. On the 12th, DCA equaled a daily record at 95°F; on the 13th, BWI equaled a daily record at 97°F and IAD set a new record at 95°F
- ☀ Third driest June on record at DCA, 4th driest at IAD and driest since 1991 at BWI
- ☀ Virginia's Shenandoah Valley was hit by slow moving thunderstorms on the 16th resulting in torrential downpours and flash flooding. Rainfall totals included 4.12" in Mcgaheysville (Rockingham County), 3.66" near Stuarts Draft (Augusta County) and 3.40" in Luray (Page County)
- ☀ On the 19th, an EF-0 tornado with winds estimated at 70 mph, was confirmed in the Four Corners section of Silver Spring, (Montgomery County), MD; path width, 100 yards and path length 0.2 miles. Two injuries and significant damage to some homes was reported; Elsewhere, vehicles and power lines were damaged from falling trees with at least one home uninhabitable; part of a tree snapped off, landing near a major intersection of Adelphi Road and University Blvd in Adelphi (Prince Georges County); a tree landed on a house near Annapolis (Ann Arundel County). Trees were also down near Paeonian Springs (Loudoun County). Winds gusted to 58 mph in Chantilly (Fairfax County), VA. Rainfall was significant in some areas: 2.87" near Rixeyville (Culpeper County) VA, 2.43" near Park Hall (St. Mary's County), MD.

June 2017

Temperature: The first month of meteorological summer featured above normal readings at the major airports: +2.1°F at DCA, +1.4°F at BWI and +0.9°F at IAD. It was the 8th consecutive June with above normal temperatures at DCA and BWI and 3rd at IAD. The summer's first heat wave occurred from the 11th-14th with maximum temperatures at or above 90°F at DCA and IAD (11th-13th at BWI). On the 12th, DCA equaled a daily record at 95°F. On the 13th, BWI equaled a daily record at 97°F; IAD set a new record at 95°F and DCA broke the record for its warmest daily minimum at 75°F. For the month, DCA and BWI reported 9 days with highs at or above 90°F while IAD recorded 6 such days. Maximum temperatures reached 80°F or greater from the 9th through month's end at all three airports. Minimum readings held at 70°F or greater on 16 days at DCA including a sultry 76°F on the 18th. Also on the 18th, IAD set a daily record high minimum reading of 73°F.

The month did feature some cooler days in the region. On the 28th, BWI broke a calendar day record low reading of 51°F.

Precipitation: The month was very dry across the metro area with just over an inch of rainfall reported at the three major airports: 1.13" at DCA (-2.65"), 1.40" (-2.06") at BWI and 1.28" (-2.70") at IAD. DCA recorded no measurable precipitation until the 16th, falling shy by 1 day of equaling its longest period of only a trace since 1967. It was the 3rd driest at DCA and driest June since 1988. At IAD, it was the 4th driest and driest since 1988; at BWI it was the driest since 1991. The area did experience two significant systems and one minor event during the month.

Virginia's Shenandoah Valley was hit by slow moving thunderstorms on the 16th resulting in torrential downpours and flash flooding. Rainfall totals included 4.12" in Mcgaheysville (Rockingham County), 3.66" near Stuarts Draft (Augusta County) and 3.40" in Luray (Page County). Road closures due to flash flooding occurred across Rockingham, Augusta and Page counties including the cities of Staunton and Harrisonburg.

The second event occurred the afternoon of the 19th when a line of strong to severe thunderstorms struck the metro area spawning an EF-0 tornado, winds estimated at 70 mph. The tornado was confirmed in the Four Corners section of Silver Spring, (Montgomery County), MD; path width was 100 yards and path length 0.2 miles. Two injuries and no fatalities were reported but falling trees caused significant damage to homes, vehicles and power lines with at least one home uninhabitable. The main hazard from the storms was wind damage. Part of a tree snapped off landing near a major intersection of Adelphi Road and University Blvd in Adelphi (Prince Georges County) and a tree landed on a house near Annapolis (Ann Arundel County). Trees were also downed near Paeonian Springs (Loudoun County) where winds gusted to 58 mph in Chantilly (Fairfax County), VA. Rainfall was significant in some locations with 2.87" near Rixeyville (Culpeper County), VA, and 2.43" near Park Hall (St. Mary's County), MD.

The final event of the month was an isolated thunderstorm that struck Waynesboro, VA, on the 13th; lightning from the storm resulted in a barn burning down.

June 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
National (DCA)	86.4	68.2	77.3	75.2	+2.1	95/12,13	56/8	1.13	3.78	-2.65	15.92
Baltimore (BWI)	85.2	62.3	73.7	72.3	+1.4	97/13	48/8	1.40	3.46	-2.06	18.53
Dulles (IAD)	84.3	61.9	73.1	72.6	+0.9	95/13	50/8,28	1.28	3.98	-2.70	20.37

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)

Coolest: 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)