

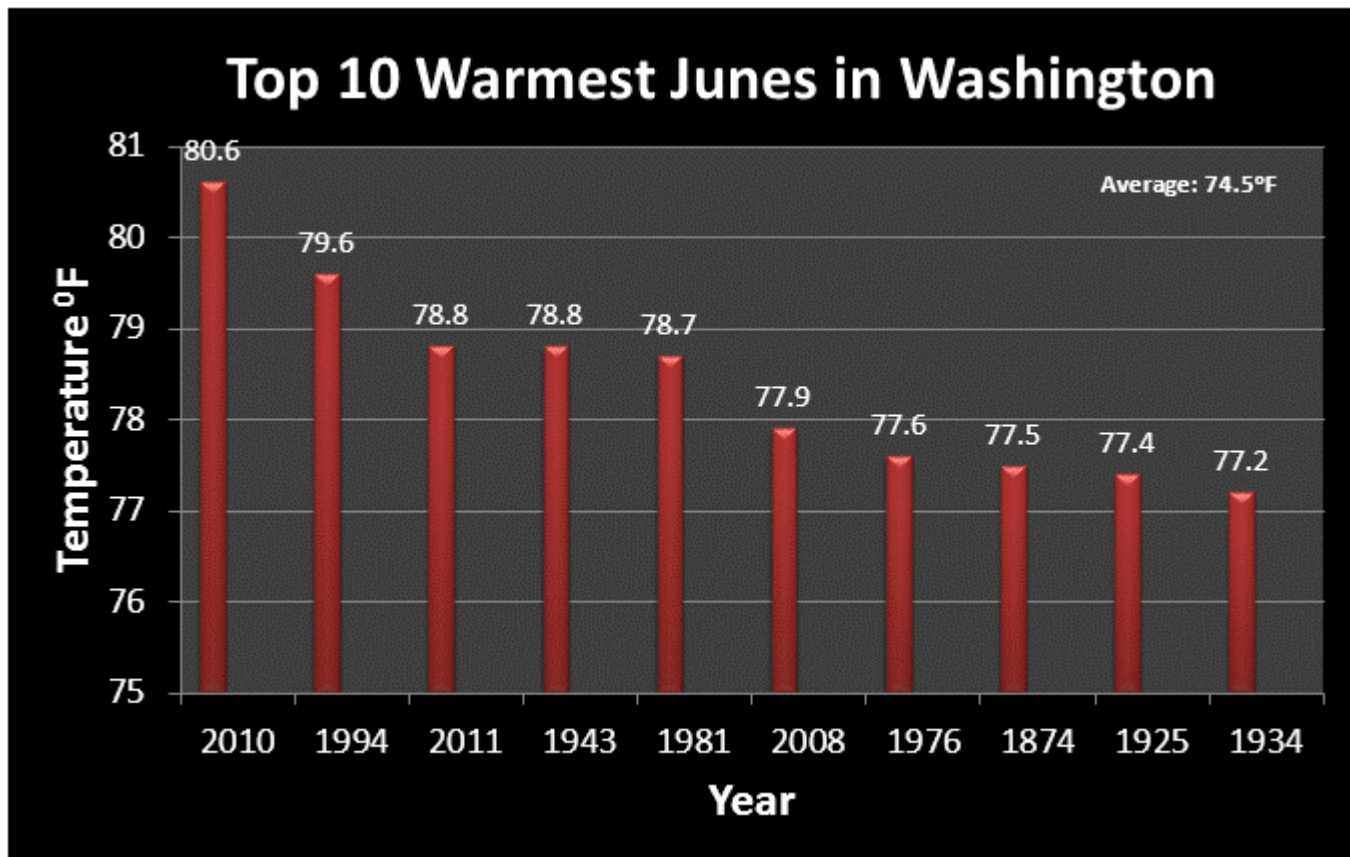


PRESTO

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



JUNE 2011: Hot Again; Dry in Many Locations



June Highlights

- Well above normal temperatures across region: + 4.2°F at DCA, +3.9°F at BWI and +4.0°F at BWI
- Tied for third hottest June on record in Washington and third hottest at IAD
- Fifth consecutive month with above normal temperatures at BWI and IAD
- Record highs on 1st: DCA and BWI at 98°F and IAD at 95°F; 8th: DCA and BWI at 99°F and 9th: BWI 100°F and IAD 97°F; DCA's 102°F on 9th equals hottest June temperature on record; 2nd earliest 100°F or greater reading in calendar year in Washington and Baltimore
- Highs at or above 90°F on 10 days at DCA and 4 days with highs at or above 95°F
- Driest June since 2007 at DCA
- Second consecutive June with less than 2 inches of rainfall at DCA and IAD
- On the 14th, two EF-O tornadoes were confirmed in Harford County, MD, at Belcamp, winds to 80 mph, and Street, winds to 70 mph, resulting in tree damage; widespread tree damage across area from powerful thunderstorms
- Numerous severe weather episodes across area throughout month as strong thunderstorms caused large hail, strong winds and localized heavy downpours.

June 2011

Temperatures: Similarly to June 2010, the area observed well above normal temperatures this month. Positive departures were +4.2°F at DCA, +3.9°F at BWI and +4.0°F at BWI. The month began with record heat on the 1st: DCA and BWI measured 98°F, IAD, 95°F. The season's first major heat wave ran from the 7th to the 12th with DCA recording temperatures at or above 90°F throughout the period, including a sizzling 102°F on the 9th, equaling Washington's hottest recorded June maximum. Record highs were also set the same day at BWI, 100°F and IAD, 97°F. Additional records were established, including 99°F at DCA and BWI on the 8th. For the month, DCA recorded 10 days with highs at or above 90°F, while both BWI and IAD observed 7 such days.

Record high minimum readings occurred on several days. On the 1st, DCA recorded a record high minimum of 76°F and IAD, 72°F. On the 9th, DCA's record minimum was 79°F and IAD, 71°F. IAD observed two record minimums later in the month: 71°F on the 22nd and 73°F on the 23rd.

Subnormal daily readings were rare. DCA's high of 78°F on the 14th was its only daily maximum temperature below 80°F. The month's coolest minimum readings occurred on the 3rd-4th, with a low of 48°F at IAD on the 4th.

Precipitation/Severe Weather: Rainfall varied across the region with dry conditions at DCA 1.68" (-1.45") and IAD 1.40" (-2.67") but slightly above normal rainfall at BWI 3.51" (+0.08"). It was the driest June at DCA since 2007. Since May 1, the rainfall deficit in Washington totals -3.57" through June 30. BWI's above average total was due in large part to a daily record rainfall of 1.96" on the 16th.

Severe weather impacted the region throughout the month. On the 1st, large hail struck some areas south and east of Washington including hail to 1.75" near Partlow, VA (Spotsylvania County); 1.25" near Woodmore, MD (Prince Georges County); and 0.75" hail at the World Weather Building in Camp Springs, MD. A hail storm lasted 8 minutes, 1 mile south of DCA. On the 9th, scattered severe activity occurred with 1.25" hail near Middleburg, VA (Loudoun County); a wind gust to 62 mph was measured near South River, and 1.73" rainfall was observed in Deale, MD (Ann Arundel County). Two days later, golf ball size hail, 1.75", pelted Tyro, VA (Nelson County), with winds gusting to 60 mph near Markham, VA (Fauquier County), while 1.46" of rain soaked Havre De Grace, MD (Harford County).

On the 14th, two EF-O tornadoes were confirmed in Harford County, MD, at Belcamp (winds to 80 mph) and Street (winds to 70 mph), resulting in tree damage. Many locations reported strong winds from thunderstorms causing downed trees and loss of power. Jarrettsville, MD (Harford County), was deluged with 2.51" of rain. Heavy rain and severe weather once again struck some locations on the 16th when 1.0" hail was measured near Linden, VA (Fauquier County), while 2.55" of rain was measured at Leonardtown, MD (St. Mary's County), and 2.20" in Mantua, VA (Fairfax County). The following day, golf ball size hail struck portions of Virginia, including near Reva (Culpeper County) and near Syria (Madison County). Heavy showers soaked southern Maryland on the 19th and 20th. In St. Mary's County, Tall Timbers measured 2.80" on the 19th and Park Hall recorded 1.37" on the 20th. The month's final severe weather event occurred in Virginia on the 28th when 1.0" hail struck near Jeffersonton in Culpeper County and near Advance Mills in Albemarle County.

June 2011 Weather Statistics for the Washington/Baltimore Area

Location	Station Temperatures (°F)					Extreme/Day		Precipitation (Inches)			
	AvMx	AvMn	AvgT	NmIT	DepNml	Max	MinT	Total	Norm	DepNml	Yr to Date
National (DCA)	87.9	69.6	78.8	76.6	+4.2	102/9	59/15	1.68	3.13	-1.45	15.35
Baltimore (BWI)	86.5	64.9	75.7	71.8	+3.9	100/9	50/3,4	3.51	3.43	+0.08	19.79
Dulles (IAD)	85.8	64.0	74.9	70.9	+4.0	97/9	48/4	1.40	4.07	-2.67	19.04

Looking Ahead to July: With a steamy June behind us, what does July hold? Below are some noteworthy statistics for Washington at DCA: Normal Average Temperature: 79.2°F; Normal Monthly Precipitation: 3.66".

DCA July Temperature

Hottest: 2010, 1993 (Average Temperature: 83.1°F)

Coollest: 1891 (Average Temperature: 72.0°F)

Most 90°F+ days: 24 (1987 and 1993)

Fewest 90°F+ days: 0 (1891)

Most 100°F+ days: 6 (1930)

Longest consecutive period of 90°F days: 16 (July 3-18, 1993)

Longest consecutive period of 100°F+ days: 4 (July 19-22, 1930)

Record monthly high: 106°F (July 20, 1930, and August 6, 1918)

Record monthly low: 52°F (July 4, 1919 and July 31, 1895)

DCA July Precipitation

Wettest: 1945 (Precipitation Total: 11.06")

Driest: 1872 (Precipitation Total: 0.82")

Record daily rainfall: 4.69" (July 9, 1970)