

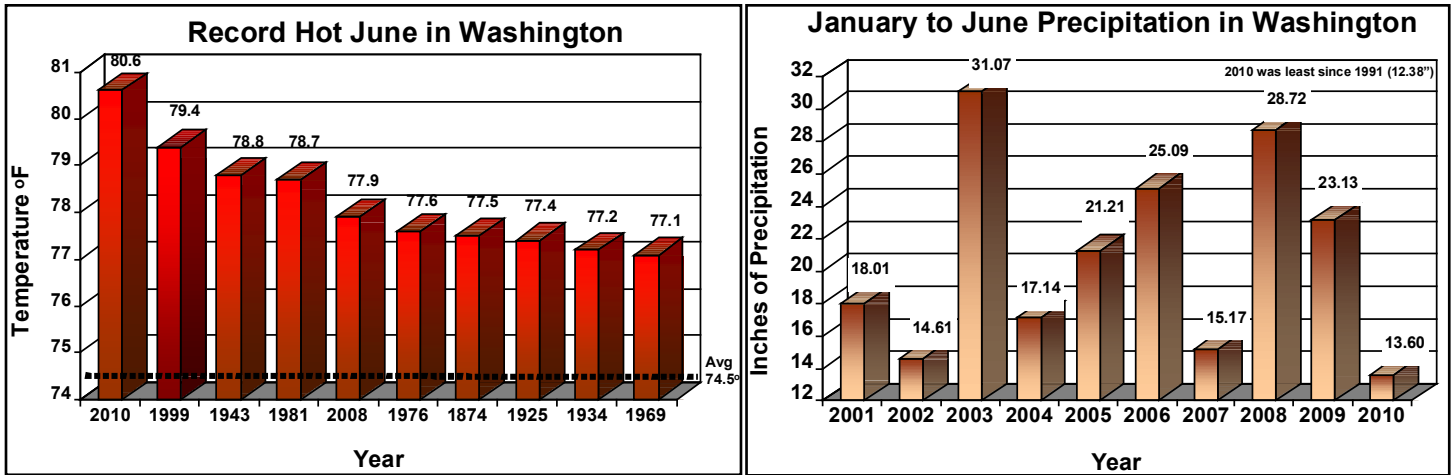


PRESTO

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



June: Unprecedented Heat, Very Dry, With Frequent Severe Weather



June Highlights

- Hottest June on record at DCA and IAD, 2nd hottest at BWI
- Positive departures at all 3 major airports: DCA +6.1°F; IAD, 5.8°F; BWI, 7.0°F
- Highs at or above 90°F in Washington on 18 days, tied with June 1943 for most ever
- Readings at or above 90°F at DCA and BWI on 11 consecutive days (19th-29th); 2nd longest streak in June
- Highs at or above 95°F at DCA on 7 days; tied with 1991 as most ever in June
- Record high at BWI of 100°F on 24th and 27th; first such occurrence at BWI of two 100°F days in June
- Record 100°F at DCA on 24th and 99°F on 27th; first occurrence of 100°F or greater since August 8, 2007, and in June since 1997
- Three record high minimum readings set at IAD, two at DCA
- Very dry at the three major airports with less than 2" of rainfall reported: DCA, 1.87" (-1.26"); BWI, 1.55" (-1.88"); IAD, 1.29" (-2.78')
- Driest June at IAD since 1988 and at BWI since 1991; Driest first 6 months at DCA since 1991
- On the 3rd, 1" hail struck near Lorton, VA; near Clifton, VA, one person injured when thunderstorm winds caused tree to land on house
- On the 6th, a microburst caused straight line wind damage in Arkendale, VA. Estimated wind speeds of 80 mph caused significant tree damage
- Widespread severe weather impacted metro area on the 22nd: hail to 1.75" struck near Bel Air, MD, and to 1.0" near Belmont County, MD; wind gusts to 58 mph near North Potomac, MD, and 55 mph at DCA
- Severe weather impacted Fairfax County, VA, on 28th; numerous trees knocked down near Centerville, Vienna, Fairfax Station and Great Falls, VA, with 60 mph gust measured near Merrifield, VA. Event resulted in more than an inch of rainfall in some areas, including 1.28" in Takoma Park, MD, and 1.06" in Vienna, VA, while DCA reported 0.79" and IAD 0.70"

June 2010

Temperature: The area experienced its warmest June ever with records set in Washington and at IAD. Positive monthly departures were +6.1°F at DCA, +7.0°F at BWI and +5.8°F at IAD. DCA's average temperature of 80.6°F was its first average above 80°F in June and was one degree warmer than the normal average July temperature. BWI's average temperature of 78.8°F was its warmest June since 1943 and more than two degrees warmer than the average July temperature. IAD set a new record monthly average temperature of 76.8°F. Excessively warm readings occurred throughout the month, highlighted by a lengthy spell of readings at or above 90°F at DCA and BWI from the 19th-29th. This heat wave was the 2nd longest June event in Washington and BWI, surpassed only by a 12-day streak in 1994 for Washington and a 14-day period in 1994 at BWI. DCA recorded 16 days with highs at or above 90°F, second only to 1943. Even more intense heat was observed when the thermometer hit 95°F or higher on 7 days at DCA, equaling 1991 for the most such days in June; on 6 days at BWI, and on 3 days at IAD. Record highs were established on the 24th at all three major airports with readings of 100°F at DCA and BWI and 97°F at IAD. Additional record highs were set on the 27th at BWI and DCA with maximum readings of 100°F and 99°F respectively, while on the 28th, BWI set another record with a maximum of 99°F. Daily highs were equaled at BWI on the 23rd at 97°F and at IAD on the 3rd at 89°F. The 100°F monthly maximum readings were the first such occurrence since August 2007 at DCA and BWI and the first such occurrence in June since 1997 at DCA and since 1994 at BWI. This also marked the first such occurrence of two 100°F maximum readings in June at BWI. Nighttime low temperatures were uncomfortably warm with numerous records set. At DCA, record low minimums were established on the 21st (76°F) and 24th (78°F); two record minimums were equaled at BWI, while IAD set record minimums on the 3rd (67°F), 24th (73°F) and 29th (74°F).

Precipitation: The area was dry with all three major airports recording less than 2" of rainfall. Monthly totals were 1.87" (-1.26") at DCA; 1.55" (-1.88") at BWI and 1.29" (-2.78") at IAD. DCA's January–June precipitation total of 13.60" was more than 5" below normal and its lowest 6 month total since 1991 (12.38"). Despite the dry conditions, severe weather occurred frequently. On the 3rd, 1" hail struck Fairfax County, VA, near Lorton, while near Clifton, VA, one person was injured when thunderstorm winds knocked a tree onto a house. Thunderstorm wind damage was also reported near Lucketts, VA, (Prince William County), in Taylorstown, VA, (Loudoun County) and in Indian Head, MD (Charles County) and Georgetown, MD (Anne Arundel County). On the 6th, a microburst caused straight line wind damage in Arkendale, VA (Stafford County); winds measured an estimated 80 mph, causing significant tree damage. Thunderstorm wind damage was also reported in southeast Washington, D.C. as well as flooded roads near Hillsboro in Loudoun County, VA. On the 12th, thunderstorm winds caused damage in Virginia's Shenandoah Valley near Gladstone (Nelson County); Brightwood (Madison County), Opal (Fauquier County) and Culpeper (Culpeper County). Heavy showers drenched a few locations on the 14th: Suitland, MD (Prince Georges County), measured 1.39". A few isolated areas in the Shenandoah were also impacted by thunderstorm wind damage and heavy downpours on the 16th: trees and wires were down near Keezletown (Rockingham County), while Shipman (Nelson County) was deluged with 1.98". A more widespread severe weather event occurred on the 22nd. Hail to 1.75" struck near Bel Air, MD (Harford County) and 1.0" near Belmont, VA (Spotsylvania County). Numerous locations reported damaging wind gusts, including 58 mph near North Potomac, MD (Montgomery County) and 55 mph at DCA. Jessup, MD (Howard County) and Fort Meade Military Base were also impacted by thunderstorm winds. In Virginia, thunderstorm winds caused tree and property damage in Charlottesville, VA, on the 24th. On the 27th, 1.0" hail hit Swift Run, VA (Rockingham County). The month's final severe weather event occurred on the 28th with another widespread outbreak of damaging thunderstorm winds across Fairfax County, VA. Numerous trees were knocked down near Centerville, Vienna, Fairfax Station and Great Falls. A 60 mph gust was measured near Merrifield with tree damage also reported near Parole in Anne Arundel County, MD. Some locations measured over an inch rainfall, including 1.28" in Takoma Park, MD, (Montgomery County) and 1.06" in Vienna, VA, (Fairfax County); DCA reported 0.79" and IAD 0.70".

JUNE 2010 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)	89.8	71.3	80.6	74.5	+6.1	100/24	60/8	1.87	3.13	-1.26	13.60
Baltimore (BWI)	89.5	68.2	78.8	71.8	+7.0	100/24,27	56/7,8	1.55	3.43	-1.88	19.16
Dulles (IAD)	87.4	66.1	76.8	71.0	+5.8	97/24,27	50/8	1.29	4.07	-2.78	18.00

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

DCA Temperature

Hottest: 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 Precipitation

Wettest: 1945 (Precipitation Total: 11.06")
Driest: 1872 (Precipitation Total: 0.82")
Record daily rainfall: 4.69" (July 9, 1970)