

June 2006

Precipitation: A tropical air mass interacting with a stationary frontal system ignited intense tropical downpours from the 25th-27th resulting in record monthly rainfall totals across most of the Washington/Baltimore area. Washington recorded 7.09" on the 25th, the second greatest daily total ever recorded and only 0.10" less than the amount recorded on June 21, 1972, from Tropical Storm Agnes. Numerous rainfall records were set in Washington including: 2 day total: 9.41"; weekly total: 11.20"; daily record on 25th of 5.19"; daily record on 26th of 4.22" and the first occurrence of more than 4" on two consecutive days. DCA's monthly total of 14.02" (+10.89" above normal) was its greatest recorded in June and most in one month since August 1955. It also marked the 5th highest monthly total ever observed (see cover).

IAD recorded its second wettest month with 11.79" (+7.72" above normal). Only June 1972 recorded greater rainfall. Daily records were established at IAD on the 25th when 5.94" was recorded. While BWI's total of 7.32" was less than most locations, a daily record of 2.75" was established on the 25th.

Monthly totals in areas east of Baltimore were more than 10" with more than 12" measured in Bel Air. Most of the immediate Washington area recorded monthly totals of 10"-15" with the greatest totals in the District, portions of eastern Montgomery County, MD, and in Fairfax and Manassas, VA. The heaviest rainfall fell from early evening on the 25th through the early morning hours of the 26th as tropical downpours with thunderstorms continued to form and move over the same locations. The rainfall resulted in five fatalities in Frederick County, MD, numerous swift water rescues, road closures and power outages, in addition to dozens of buildings (including several federal buildings in Washington) and homes damaged from flooding, according to press reports. Lake Needwood dam in Montgomery County rose 23 feet above flood stage, resulting in the evacuation of more than 2,000 residents at risk if the dam failed. Flood levels decreased and residents returned to their homes but officials estimated storm damage in the tens of millions of dollars throughout the region. In the District, officials declared a State of Emergency.

The wet pattern began on the 19th as strong late day thunderstorms soaked DC and set a daily rainfall record at DCA with 1.99". On the 22nd, IAD recorded 1.47" during the late evening and overnight as thunderstorms pounded Northern Virginia. DCA recorded more rain from the 19th through the 27th (13.22") than from January 1st thru June 18th (11.87"). Most of the metro area's long term dryness was washed away as rainfall deficits of 6" to 7" became surpluses of +5.93" at DCA and +2.42" at IAD by months' end.

Temperatures: June readings ranged from normal at DCA to +1.2°F at BWI and +1.7°F at IAD. June marked the 6th consecutive month with above normal readings at BWI and IAD. Subnormal highs occurred from the 3rd-5th and 10th-12th as temperatures held in the 70's across the area. The month's coolest temperatures occurred on the 11th as several suburban locations recorded minimum readings in the upper 40's, including BWI and IAD with a low of 49°F. Temperatures rebounded to highs of 90°F or greater on the 17th -19th and 21st-22nd. IAD reading of 94°F on the 18th set a new record for the date.

JUNE 2006 WEATHER STATISTICS FOR THE WASHINGTON/BALTIMORE AREA

Location	Station Temperatures (°F)					Extreme/Day		Precipitation (In.)			
	AvMx	AvMn	AvgT	NmIT	DepNml	Max	MinT	Total	Norm	DepNml	Yr. to Date
National (DCA)	83.3	65.7	74.5	74.5	0.0	93/18	54/11	14.02	3.13	+10.89	25.09
Baltimore (BWI)	83.7	62.4	73.1	71.9	+1.2	95/18	49/11	7.32	3.89	+ 3.43	18.49
Dulles (IAD)	83.5	61.6	72.6	70.9	+1.7	95/22	49/11	11.79	4.07	+ 7.72	23.30
Andrews (ADW)	81.0	64.0	72.5	N/A	N/A	91/18	54/14	8.77	4.30	+ 1.42	17.63

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

Temperature

Hottest: 1993 (Avg. Temp: 83.1°F)

Coolest: 1891 (Avg. Temp: 72.0°F)

Most 90°F+ days: 24 (1987 & 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)*

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

Precipitation

Wettest: 1945 (Precipitation Total: 11.06")

Driest: 1872 (Precipitation Total: 0.82")

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

* All-time highest reading in Washington (tied with Aug. 6, 1918)