

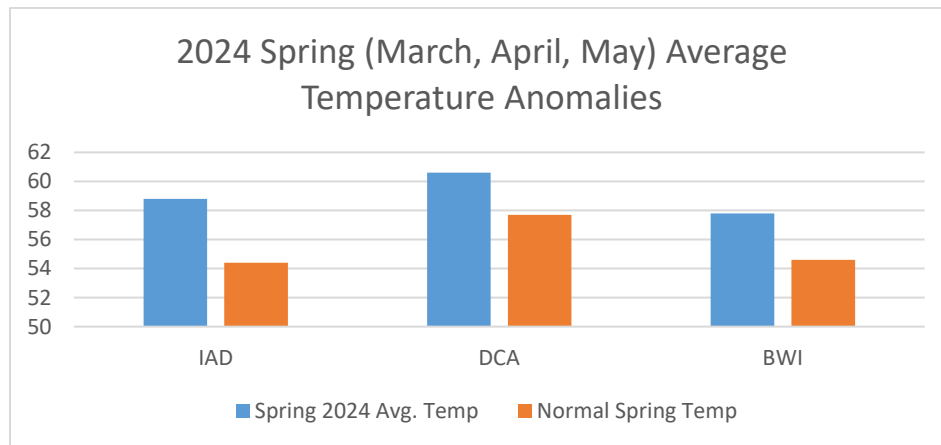


# PRESTO



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

## May 2024: Warm with Near Normal Rainfall Spring: Well Above Normal Temperatures



Spring (March, April and May) 2024 average temperatures for Washington Dulles (IAD), Washington Reagan (DCA) and Baltimore Washington International (BWI) compared to the normal temperatures for the Spring period. IAD had its 2<sup>nd</sup> warmest Spring average temperature (58.8F) on record. DCA observed the 3<sup>rd</sup> warmest spring temperature (60.6F) on record for the Washington area and BWI observed the 7<sup>th</sup> warmest spring temperature (57.8F) on record for the Baltimore area.

### May Highlights

- Month (temperature)** – May was another warm month for the area with monthly temperature anomalies generally 2-3 degrees above normal. Monthly temperature anomalies were +3.6F for IAD and +2.1F for DCA and BWI.
- Month (precipitation)** – Rainfall was close to average overall across the area. Monthly precipitation anomalies were +0.36 inches at DCA, -0.50 inches at IAD and -1.09 inches at BWI.
- 2<sup>nd</sup>** – Record highs at DCA and IAD of 91F. BWI tied record high with 90F.
- 11<sup>th</sup>** – EF-1 tornado (estimated winds 86-110 mph) near Friendsville, MD (Garrett County).
- 22<sup>nd</sup>** – Record high tied at IAD, 91F.
- 23<sup>rd</sup>** – 1.5 inch hail near IAD and Strasburg, VA.
- 26<sup>th</sup>** – Thunderstorm winds caused 1 fatality near Norwood, VA (Nelson County). EF-1 Tornado in Rixeyville, VA (Culpeper County).
- 27<sup>th</sup>** – EF1 tornado near Cordova, VA (Nelson County) injured 5 people.
- 29<sup>th</sup>** – Hail up to 1.25 inches in diameter fell across eastern WV and western MD.

## Spring Highlights

### March

- ☁️ 9<sup>th</sup> – Coastal flooding around DC, Annapolis, and Alexandria. IAD and Martinsburg set daily rainfall records of 0.99 inches and 1.39 inches, respectively.
- ☁️ 10<sup>th</sup> – Wind damage in eastern MD and VA, including a 58 mph gust 8 miles NW of Taylors Island.
- ☁️ 11<sup>th</sup> – Strong non-thunderstorm wind gust of 66 mph near Sabillasville, MD.
- ☁️ 20<sup>th</sup> – 68 mph wind gust near Wintergreen, VA and 63 mph gusts near Deer Run, WV and Blue Mountain, VA.
- ☁️ 29<sup>th</sup> – 71 mph wind gust in Wintergreen, VA.
- ☁️ 30<sup>th</sup> – Strong winds in the Chesapeake Bay. 63 mph gust at Highland Beach and 62 mph gust at Saunders Point.
- ☁️ 31<sup>st</sup> – 1 inch hail in Tyro, VA (Nelson County).

### April

- ☁️ 3<sup>rd</sup> – Thunderstorm wind damage and flooding across much of the area. 59 mph gusts at Bay Bridge and Patuxent River, MD.
- ☁️ 4<sup>th</sup> – Strong marine thunderstorm winds; 48 mph gust at Solomon’s Island, MD.
- ☁️ 5<sup>th</sup> – Snow in higher elevations of MD, WV, and VA. 2.4 inches at Monterrey, VA (Highland County). Graupel (soft hail) reported in many areas.
- ☁️ 11<sup>th</sup> – 70 mph wind gust in Wintergreen, VA and 66 mph gust near Greenwood, VA.
- ☁️ 15<sup>th</sup> – Many reports of hail across much of the area, with the largest being 1.5-inch diameter hail in Westover, VA (Fairfax County). Strong thunderstorm winds over the eastern shore and marine areas, including 63 mph gusts near Dahlgren, VA, Swan Point, MD, and Cuckold Creek, MD.
- ☁️ 22<sup>nd</sup> and 23<sup>rd</sup> – Frost and freezing temperatures in areas west and north of metros, including a 28F low in Martinsburg, WV.
- ☁️ 29<sup>th</sup> – Record high temperatures at IAD (91F), and at BWI (92F).

## May Summary

**Temperatures:** May was another warm month across the area. Each month in 2024 has been above normal in average temperature. IAD had the greatest temperature anomaly (3.6F) as it observed the 7<sup>th</sup> warmest May on record. Monthly temperature anomalies at DCA and BWI were 2.1F. Record highs were set at IAD and DCA on the 2<sup>nd</sup> (91F) while BWI tied a record high of 90F. IAD tied a record high on the 22<sup>nd</sup> with 90F.

**Precipitation:** Rainfall was near or below normal for May, although there were several days with measurable rainfall. The number of days with measurable rainfall were DCA (17), IAD (16), and BWI (14). BWI had the largest anomaly at 1.09 inches below normal for the month. IAD was 0.50 inches below normal, and DCA was 0.36 inches above normal. Yearly precipitation totals remain at or above normal.

### May Stats:

Location	Station Temperatures (°F)					Extreme/Day		Precipitation			
	Average Max	Average Min	Average Temp	Normal	Normal Dep.	Max	Min	Total	Normal	Normal Departure	Yearly Precip./Dep from Nml
National (DCA)	77.4	61.2	69.3	67.2	2.1	91/2**	48/11	4.30	3.94	0.36	18.54/2.41
Baltimore (BWI)	75.5	57.4	66.5	64.4	2.1	90/2**	46/11	2.76	3.85	-1.09	20.29/3.06
Dulles (IAD)	77.7	57.5	67.6	64.0	3.6	91/22**	44/13	4.22	4.72	-0.50	17.30/0.06

\*: Latest of more than one occurrence, \*\* - Daily record, \*\*\* - Monthly record

## Spring Summary

**Temperatures:** Dulles recorded its warmest spring (March April and May) on record (average is 58.8F), DCA observed the 3<sup>rd</sup> warmest (60.6F) for the Washington area, and BWI observed the 4<sup>th</sup> warmest for the Baltimore area (57.8F). March was the warmest month relative to normal across the area with monthly temperature anomalies 4-5 degrees above normal. April and May were generally 2-4 degrees above normal. Due to the warmth and ample rainfall in March, the peak bloom of cherry blossoms occurred at the Tidal Basin on March 17th, and this tied (2000) for the 2nd earliest bloom on record.

**Precipitation:** Precipitation during the Spring was close to normal for the metro areas, but some areas to the west were a little below normal. IAD was 1.84 inches below normal for the Spring. March was the wettest month and April was the driest month. Only a trace of snowfall fell at all three primary stations in the early part of the Spring. Yearly precipitation remains near or above normal.

### Spring (Mar-May 2024) Stats

Location	Station Temperatures (°F)					Extreme/Day		Precipitation (inches)			
	Average Max	Average Min	Average Temp	Normal	Normal Dep.	Max	Min	Total	Normal	Normal Departure	Snow/Nor mal Dep
National (DCA)	69.3	51.8	60.6	57.7	2.9	91/5-2**	32/3-21	11.25	10.65	0.60	T/2.0/-2.0
Baltimore (BWI)	67.6	47.9	57.8	54.6	3.2	92/4-29**	26/3-1	11.68	11.25	0.43	T/2.8/-2.8
Dulles (IAD)	69.4	48.1	58.8	54.4	4.4	91/5-22**	24/3-1	9.85	11.69	-1.84	T/4.0/-4.0

\*: Latest of more than one occurrence, \*\*: Daily record, \*\*\*: Monthly record

### Looking Ahead: Normals for June

Location	Station Temperatures (°F)			Extreme/Day		Precipitation (inches)		
	Max	Min	Month Average	Record Max/Date	Record Min/Date	Normal	Precip. Max/Year	Precip. Min/Year
National (DCA)	85.1	67.5	76.3	104/29/2012	43/2/1897	4.20	14.02/2006	0.86/1940
Baltimore (BWI)	84.4	62.6	73.5	105/29/1934	40/11/1972	3.98	13.09/2015	0.15/1954
Dulles (IAD)	83.1	61.9	72.5	102/29/2012	36/8/1977	4.30	18.19/1972	0.52/1988

\* - Latest of more than one occurrence