

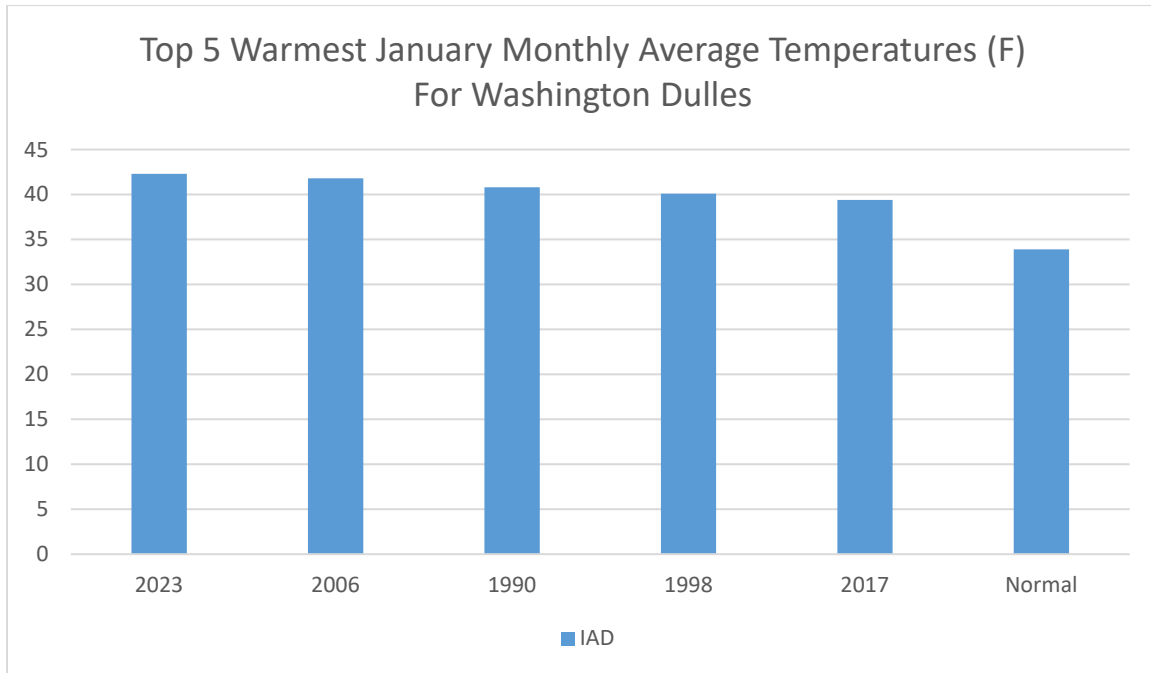


# PRESTO



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

## January 2023: Record Warmth, Dry, and Very Little Snow



### January Highlights

- ☁ **January 3** – DCA, BWI, and IAD set record highs of **69F**.
- ☁ **January 4** – Record warm low temperature at IAD of **53F**.
- ☁ **January 13** – Strong marine thunderstorm winds over the Chesapeake Bay with a 48 mph gust recorded 1 mile south of Highland Beach (Anne Arundel County).
- ☁ **January 25** – 3-6 inches of snow in mountains of western MD and eastern WV.
- ☁ **January 27** – 8-10 inches of snowfall in Garrett County, MD.

## January Summary

### Temperatures:

In addition to Dulles' record warmth (see graph on pg. 1), DCA's monthly temperature was its third warmest on record at 45.2F (47.9F in 1950 and 46.8F in 1932 were 1<sup>st</sup> and 2<sup>nd</sup>). BWI had its fourth warmest January on record at 43.9F (47.4F in 1932, 46.9F in 1950, and 44.0 in 1890 were warmer).

Extreme warmth was not the primary cause of the record warmth across the region, but rather the lack of cold air. The lowest temperature of the month for DCA was just 29F, while BWI had 25F as the lowest and IAD had 23F as the lowest. The first 5 days featured daily highs well above normal, above 60F at DCA, BWI, and IAD, but each station only set one high temperature record for the month, which occurred on the 3<sup>rd</sup>. The monthly average temperature anomalies were significant, 9.6F at BWI, 8.4F at IAD, and 7.7 F at DCA.

### Precipitation:

The month was also quite dry, with all three stations totaling about half of normal precipitation (Anomalies were IAD -1.58 inches, BWI -1.40 inches and DCA -1.21 inches). None of the stations had measurable snow for January, and none has had measurable snow for the snowfall season so far. *Dulles broke its record for latest measurable snowfall as each snowfall season until this year had at least one measurable snow event before January 31.*

There were no days with precipitation greater than an inch during January, and the month was dry as a result. The heaviest rainfall occurred on the 25<sup>th</sup> with amounts of .50 to .75 inches common. The only areas with measurable snowfall were across western MD, western VA, and eastern WV, and the only areas with significant snowfall were the higher elevations. Monthly precipitation anomalies were generally greater than an inch (IAD -1.58 inches, BWI -1.40 inches and DCA -1.21 inches).

### January Statistics for the Washington/Baltimore Area

| Location        | Station Temperatures (°F) |        |       |       |      | Extreme/Day |       | Precipitation (inches) |       |       |      | Snow |
|-----------------|---------------------------|--------|-------|-------|------|-------------|-------|------------------------|-------|-------|------|------|
|                 | Av Max                    | Av Min | Avg T | Nml T | ΔNml | Max         | Min   | Total                  | Nml P | ΔNml  | Year |      |
| National (DCA)  | 52.5                      | 37.8   | 45.2  | 37.5  | 7.7  | 69/3*       | 29/16 | 1.65                   | 2.86  | -1.21 | 1.65 | T    |
| Baltimore (BWI) | 52.4                      | 35.4   | 43.9  | 34.3  | 9.6  | 69/3*       | 25/11 | 1.68                   | 3.08  | -1.40 | 1.68 | T    |
| Dulles (IAD)    | 50.8                      | 33.8   | 42.3  | 33.9  | 8.4  | 69/3*       | 23/11 | 1.36                   | 2.94  | -1.58 | 1.36 | T    |

### Looking Ahead

|                 | Temperatures<br>Max/Min/Monthly | Record<br>Max/Date | Record<br>Min/Date | Precip.<br>Normal | Precip.<br>Max/Year | Precip.<br>Min/Year | Snow<br>Normal |
|-----------------|---------------------------------|--------------------|--------------------|-------------------|---------------------|---------------------|----------------|
| National (DCA)  | 48.3/31.8/40.0                  | 84/25/1930         | -15/11/1899        | 2.62              | 6.98/2003           | 0.35/2009           | 5.0            |
| Baltimore (BWI) | 46.4/26.9/36.6                  | 83/25/1930         | -7/10/1899*        | 2.90              | 7.16/1979           | 0.26/2009           | 7.5            |
| Dulles (IAD)    | 46.1/26.7/36.4                  | 80/21/2018         | -14/18/1979        | 2.61              | 6.27/2003           | 0.25/1978           | 7.0            |

\*: Latest of more than one occurrence