

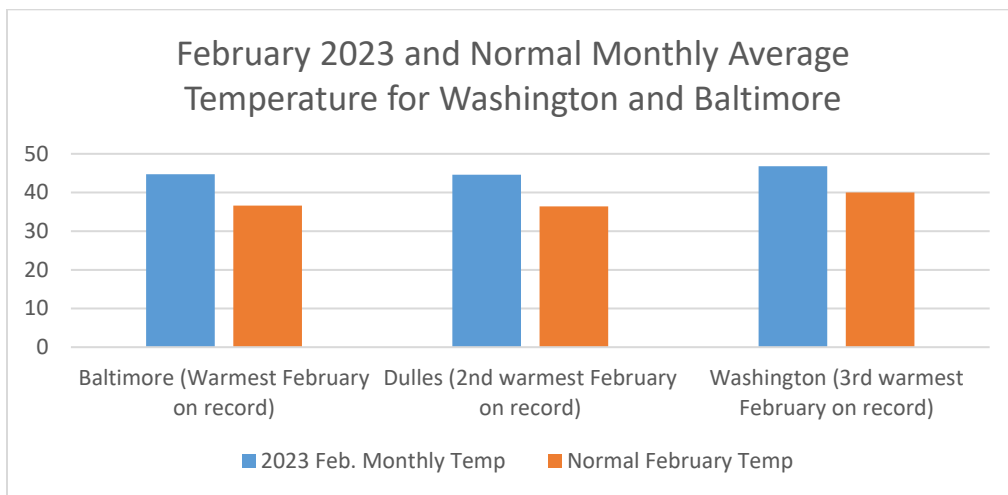
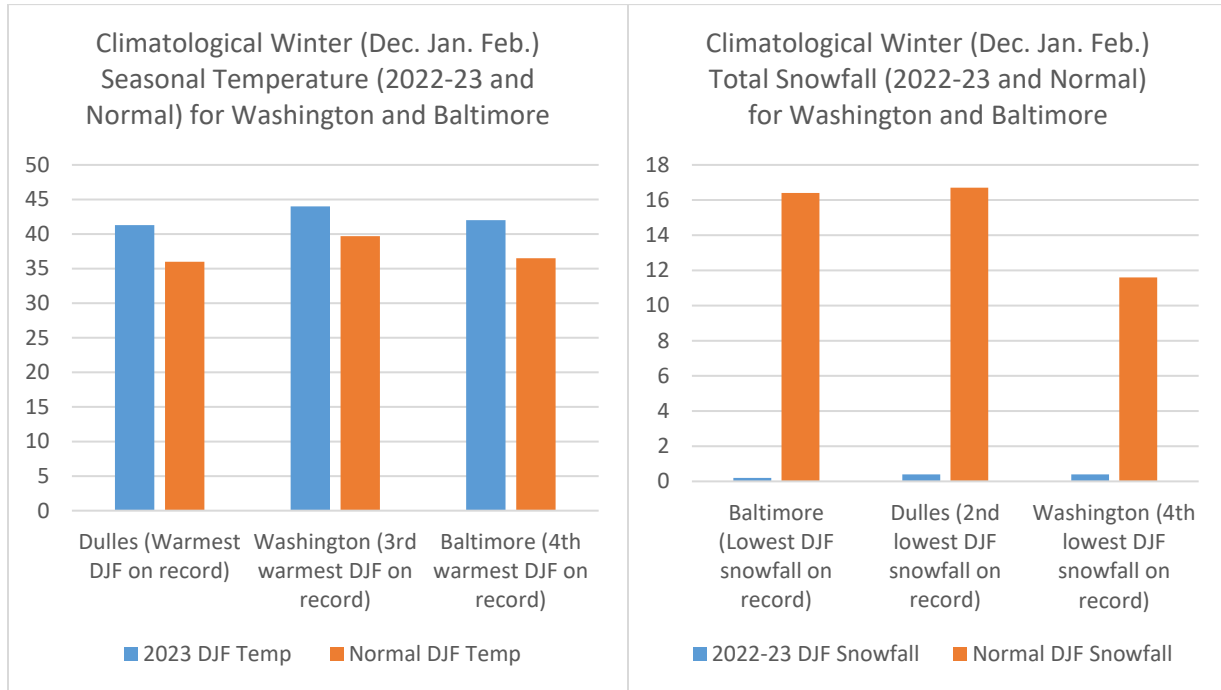


PRESTO



*PRE*cipitation Summary and Temperature Observations
for the Washington, DC and Baltimore, MD Area

February 2023/Winter (Dec, Jan, Feb) 2022-23 Summary Record Warmest Monthly Temperature in Baltimore



February Highlights

- ☁ **Month** – BWI had its warmest February monthly average temperature on record at 44.7F. IAD had its 2nd warmest (44.6F) and DCA had its 3rd warmest (46.7F).
- ☁ **February 1** – Only accumulating snowfall for the month and the climatological winter occurred for most areas. Amounts were generally less than 1 inch. (BWI 0.2 inches, DCA 0.4 inches, IAD 0.4 inches).
- ☁ **February 3** – Strong winds caused damage near Glenmont, MD (Montgomery County).
- ☁ **February 9** – IAD sets a record high temperature with 71F and ties a record warm low temperature with 40F.
- ☁ **February 10** – BWI and IAD set record high temperatures with 66F and 65F respectively. IAD also tied a record warm low with 41F.
- ☁ **February 17** – Strong winds occurred across central VA. 58 mph gust was recorded at IAD.
- ☁ **February 21** – Nickel sized hail fell in Woodstock, MD (Baltimore County).
- ☁ **February 23** – Record highs occurred at DCA, IAD, and BWI with 81F, 80F and 79F, respectively.

Winter Highlights

- ☁ **Season** – IAD had its warmest average temperature for the climatological winter (Dec. Jan. Feb.) on record with 41.3F. DCA had its 3rd warmest with 44.0F and BWI had its 4th warmest with 42.0F. BWI had its lowest total snowfall for the climatological winter (Dec. Jan. Feb.) on record with 0.2 inches. IAD had its second lowest total with 0.4 inches, and DCA had its 4th lowest total with 0.4 inches.
- ☁ **December 22** – IAD set a daily record with 2.14 inches of rainfall.
- ☁ **December 23** – Strong wind gusts occurred with a 69 mph wind gust on Barton, MD (Garrett County) and a 63 mph wind gust at I-68 and US 219 in Garrett County, MD. Several wind gusts over 60 mph along the Chesapeake with a peak of 69 mph at 1 mi NNE of Bay Bridge and 2 mi ESE of EastPort.
- ☁ **December 24** – Record low maximum temperatures at DCA, BWI, and IAD of 22F, 20F and 22F, respectively.
- ☁ **January Summary** – IAD had its warmest January on record.
- ☁ **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.

February Summary

Temperatures:

Temperatures were well above normal for most of the month. BWI had its warmest February monthly average temperature on record at 44.7F. IAD had its 2nd warmest (44.6F) and DCA had its 3rd warmest (46.7F). IAD had the greatest departure from normal at +8.2, while BWI was 8.1 above normal and DCA was 6.8 above normal. IAD set record highs on the 9th, 10th, and 23rd, while BWI set record highs on the 10th and 23rd and DCA set a record high on the 23rd (See February highlights for values).

Precipitation:

The first half of the month was dry but rainfall rallied in the second half to finish somewhat below normal. The only accumulating snow for most areas (outside of the mountains) occurred on the 1st (generally less than 1 inch). BWI finished being 0.72 inches below normal in precipitation while DCA was .54 inches below normal and IAD was .34 inches below normal. All areas were well below normal in snowfall.

Severe Weather:

Strong winds occurred on the 17th with a 58 mph gust recorded at Dulles. Oddly enough, nickel sized hail fell in Woodstock, MD on the 21st.

Location	Station Temperatures (°F)					Extreme/Day		Precipitation (inches)				Yearly Precip
	Av Max	Av Min	Avg T	Nml T	ΔNml	Max	Min	Total	ΔNml	Snow	Norm Snow	
National (DCA)	56.1	37.4	46.7	40.0	6.7	81/23	16/4	2.08	-0.54	0.4	5.0	3.73
Baltimore (BWI)	55.3	34.1	44.7*	36.6	8.1	79/23	14/4	2.18	-0.72	0.2	7.5	3.86
Dulles (IAD)	56.0	33.2	44.6	36.4	8.2	80/23	12/4	2.27	-0.34	0.4	7.0	3.63

* - Record

Winter Summary

Temperatures:

Overall, the climatological winter was well above normal in temperature. IAD had its warmest monthly average temperature for the climatological winter (Dec. Jan. Feb.) on record with 41.3F. DCA had its 3rd warmest with 44.0F, and BWI had its 4th warmest with 42.0F. December was the only month with below average temperatures and the anomalies were around 1F below normal. The only exceptionally cold air of the winter occurred just before Christmas, when DCA, IAD, and BWI set daily record low maximum temperature records.

January and February were well above normal, record setting in some cases. IAD had its warmest January on record and BWI had its warmest February on record.

Precipitation:

Precipitation totals finished slightly below normal; however, snowfall was well below normal. December was the only wet month with positive anomalies of around an inch in general. January and February were below normal. There were only a few days with minor accumulations of snow across most of the area. The three primary stations only had one day with measurable snowfall, Feb. 1st. Snowfall was close to 16 inches below normal for IAD and BWI and about 11 inches below normal for DCA.

Severe Weather:

There were a few days with strong winds; most notable was Dec. 23rd when there were several 60+ mph wind gusts in the mountains of western MD, western VA, and eastern WV and along the Chesapeake Bay. Nickel sized hail fell in Woodstock, MD on Feb. 21st – a rare event for February.

Winter Statistics for the Washington/Baltimore Area

Location	Station Temperatures (°F)					Extreme/Day		Precipitation (inches)				Norm Snow
	Av Max	Av Min	Avg T	Nml T	ΔNml	Max	Min	Total	Nml P	ΔNml	Snow	
National (DCA)	52.4	35.6	44.0	39.5	4.5	81/Feb 23	9/Dec 24	7.59	8.89	-1.30	0.4	11.7
Baltimore (BWI)	51.9	32.2	42.0	36.5	5.5	79/Feb 23	6/Dec 24	8.66	9.69	-1.03	0.2	16.2
Dulles (IAD)	51.4	35.6	41.3	36.0	5.3	80/Feb 23	7/Dec 24	8.58	8.81	-0.23	0.4	16.7

Looking Ahead: Normals for March

Location	Station Temperatures (°F)			Extreme/Day		Precipitation (inches)				Norm Snow
	Max	Min	Monthly	Record Max/Date	Record Min/Date	Nml	Precip. Max/Year	Precip. Min/Year		
National (DCA)	56.5	38.6	47.6	93/23/1907	4/4/1873	3.50	8.84/1891	0.05/2006	2.0	
Baltimore (BWI)	54.8	33.9	44.3	90/29/1945	4/4/2014	4.01	8.64/1994	0.18/2006	2.8	
Dulles (IAD)	54.8	33.6	44.2	89/30/1998	-1/4/2014*	3.50	7.65/1993	0.07/2006	3.9	

* - Latest of more than one occurrence