



# NWS Wilmington, Ohio February 2023 Regional Climate Summary

## Regional Climate Summary

*February 2023 will be remembered for the record lack of snowfall around the area as well as above normal temperatures. Columbus had the record for the least snowiest February with a T, Cincinnati tied the least snowiest February with a T, and Dayton tied for 3<sup>rd</sup> with 0.1 inches of snow for the month. Despite the extreme warmth, there was an overall lack of severe weather, with the exception of February 27<sup>th</sup> in which four tornadoes were confirmed across our counties. There were several other days throughout the month in which very gusty winds were observed.*

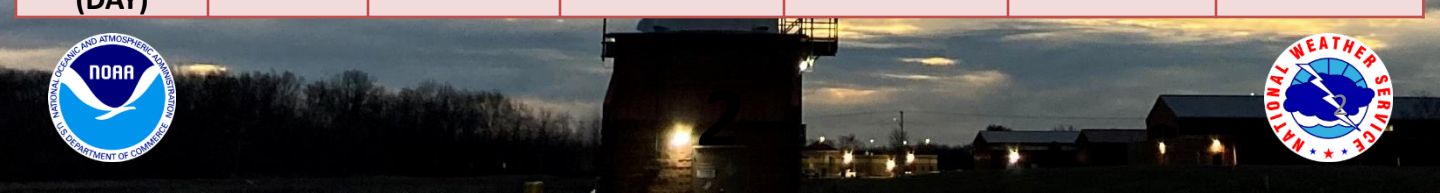
# Temperatures

*After a cool start to the month, the remainder of February was near normal to even well above normal. At Dayton, Columbus, and Cincinnati, there were only a couple of days near the beginning of the month that did not make it above freezing.*

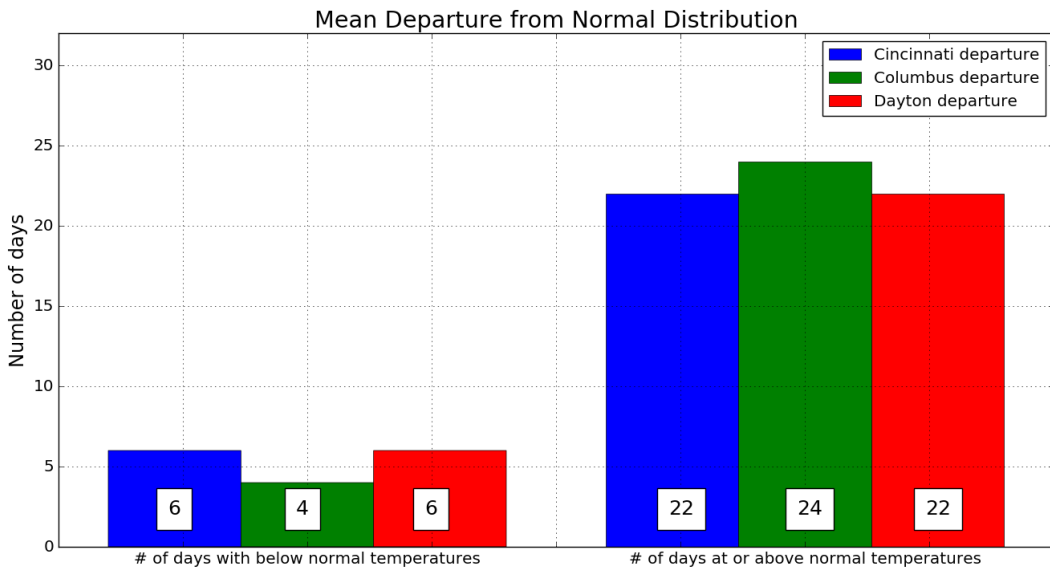
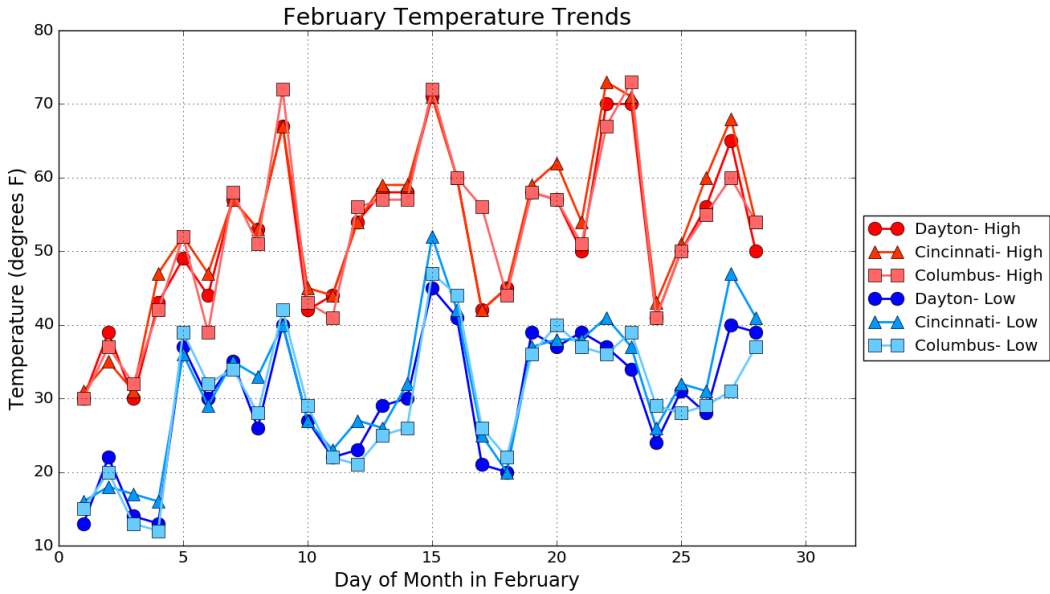
*Due to the well above normal temperatures, several record highs were broken. A high temperature of 70 degrees tied the record at Dayton on the 23<sup>rd</sup> that was set back in 2017. A record high temperature of 70 was set at Dayton on the 22<sup>nd</sup>, breaking the old record of 69 set in 1922. A record high temperature of 71 was set at Dayton on the 15<sup>th</sup>, breaking the old record of 69 set in 1954. A record high temperature of 67 was set at Dayton on the 9<sup>th</sup>, breaking the old record of 65 set in 2001. A record high temperature of 73 was set at Cincinnati on the 22<sup>nd</sup>, breaking the old record of 71 set in 1922. A record high temperature of 67 was tied at Cincinnati on the 9<sup>th</sup>. The previous time this occurred was in 2001. A record high temperature of 73 was set at Columbus on the 23<sup>rd</sup>, breaking the old record of 72 set in 2017. A record high temperature of 72 was set in Columbus on the 15<sup>th</sup>, breaking the old record of 70 set in 1954. Finally, a record high temperature of 72 was set in Columbus on the 9<sup>th</sup>, breaking the old record of 66 set in 2001.*

*Dayton, Columbus, and Cincinnati all landed in their top 10 warmest February's on record.*

Site	Avg Temp (°F)	Avg High Temp (°F)	Avg Low Temp (°F)	Departure From Normal (°F)	Maximum Temperature (°F)	Minimum Temperature (°F)
Cincinnati (CVG)	42.4	53.4	31.5	+7.7	73 on 22 <sup>nd</sup>	16 on 1 <sup>st</sup> /4 <sup>th</sup>
Columbus (CMH)	41.1	52.3	30.0	+8.6	73 on 23 <sup>rd</sup>	12 on 4 <sup>th</sup>
Dayton (DAY)	40.9	51.9	29.9	+8.1	71 on 15 <sup>th</sup>	13 on 1 <sup>st</sup> /4 <sup>th</sup>



# Temperatures (Continued)



# Precipitation

*The first week of February was primarily dry throughout our region. Some light precipitation worked its way through for a few consecutive days at the beginning of the second week before conditions dried out again for a few days.*

*In the middle of the month, a southern system ushered in locally heavy rain across portions of southeast Indiana, southern Ohio, and northern Kentucky. In fact, Cincinnati observed 1.87" in one day, breaking the previous record for the 16<sup>th</sup>. This would also rank as the 18<sup>th</sup> wettest calendar day for the month in recorded history (1871- present). Dayton and Columbus would miss out on the heavier rainfall from this particular system.*

*Additional precipitation held off until the third week of the month, where several systems provided modest rainfall to the area. Much of the heavier rain fell to the north of the climate sites, which is reflected well in the precipitation analysis for the month. While not enough to eliminate the monthly deficits in most locations, the month wrapped up with one more period of rain on the 27<sup>th</sup> into the 28<sup>th</sup>.*

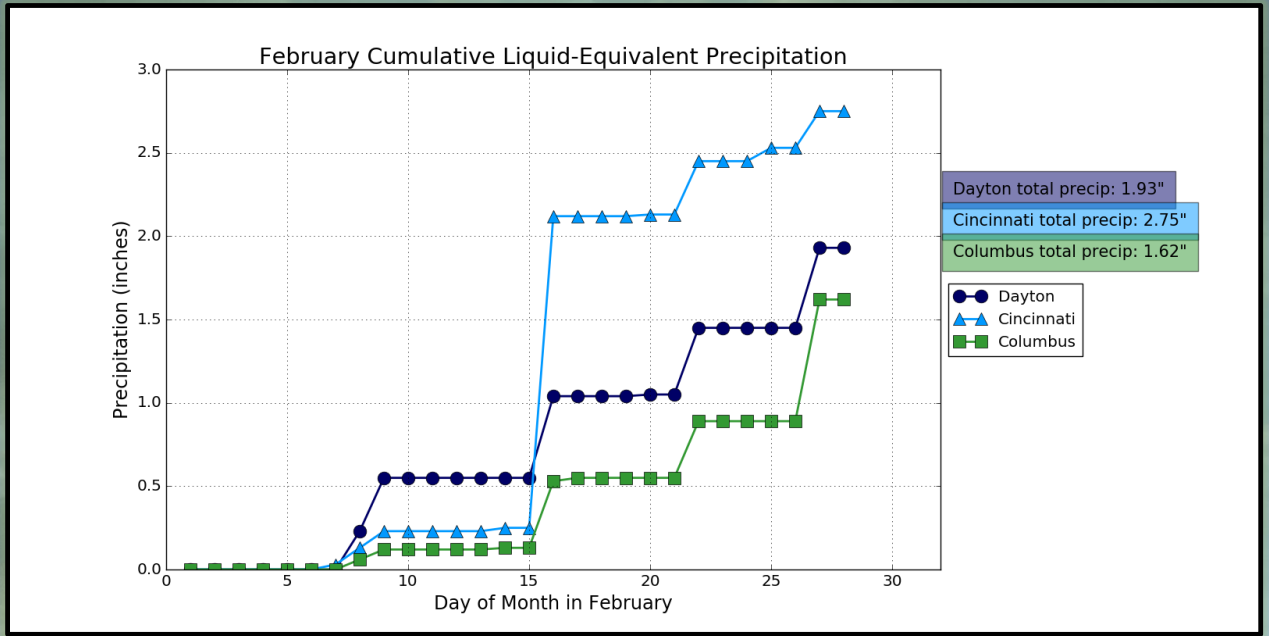
*The final precipitation headline is the historically low snowfall amounts observed for our major climate locations this month. Columbus set a new record low with only a trace. Cincinnati tied the record low with only a trace as well, and with only 0.1" of accumulation, Dayton tied for 3<sup>rd</sup> lowest (record still remains a trace at Dayton).*

Site	Total Precipitation (in.)	Departure From Normal (in.)	Max Daily Precipitation (in./date)		Total Snowfall (in.)	Max Daily Snowfall (in./date)	
Cincinnati (CVG)	2.75	-0.42	1.87	16 <sup>th</sup>	T	T	17 <sup>th</sup>
Columbus (CMH)	1.62	-0.79	0.73	27 <sup>th</sup>	T	T	3 <sup>rd</sup> and 17 <sup>th</sup>
Dayton (DAY)	1.93	-0.42	0.49	16 <sup>th</sup>	0.1	0.1	17 <sup>th</sup>



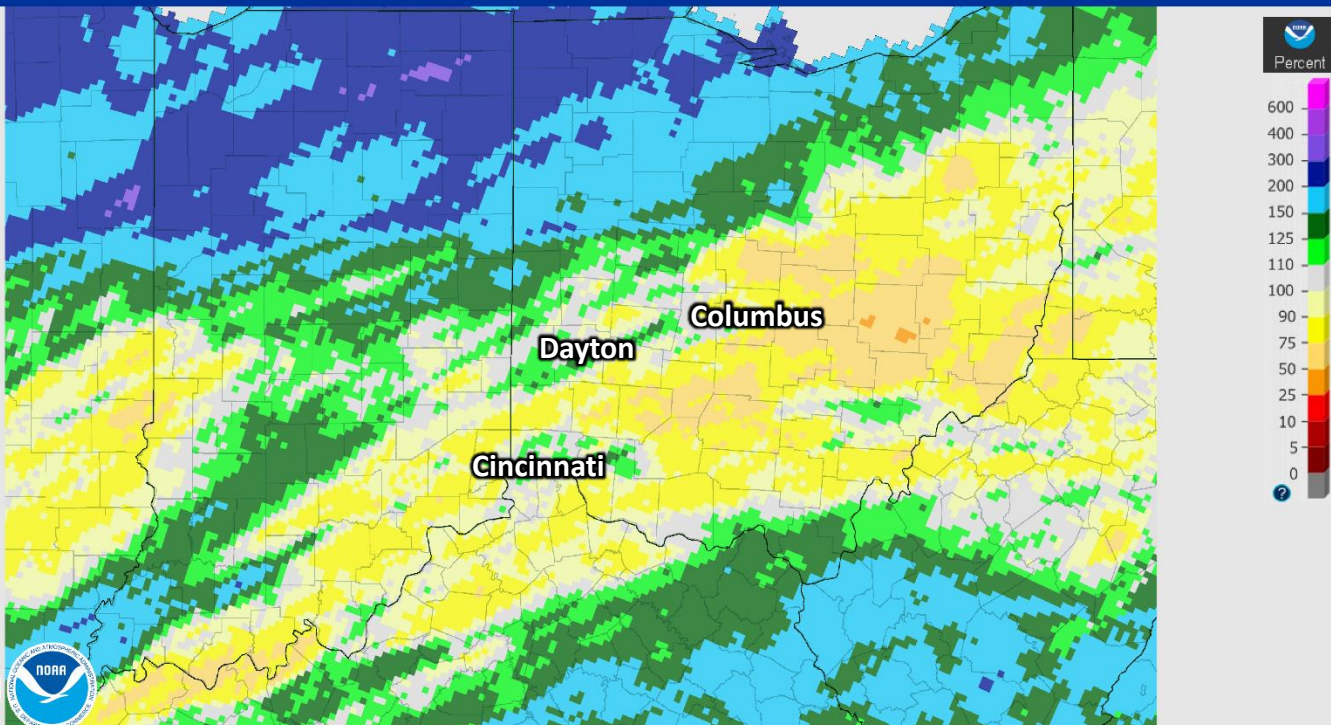


# Precipitation (Continued)



## February 01, 2023 Monthly Percent Precipitation

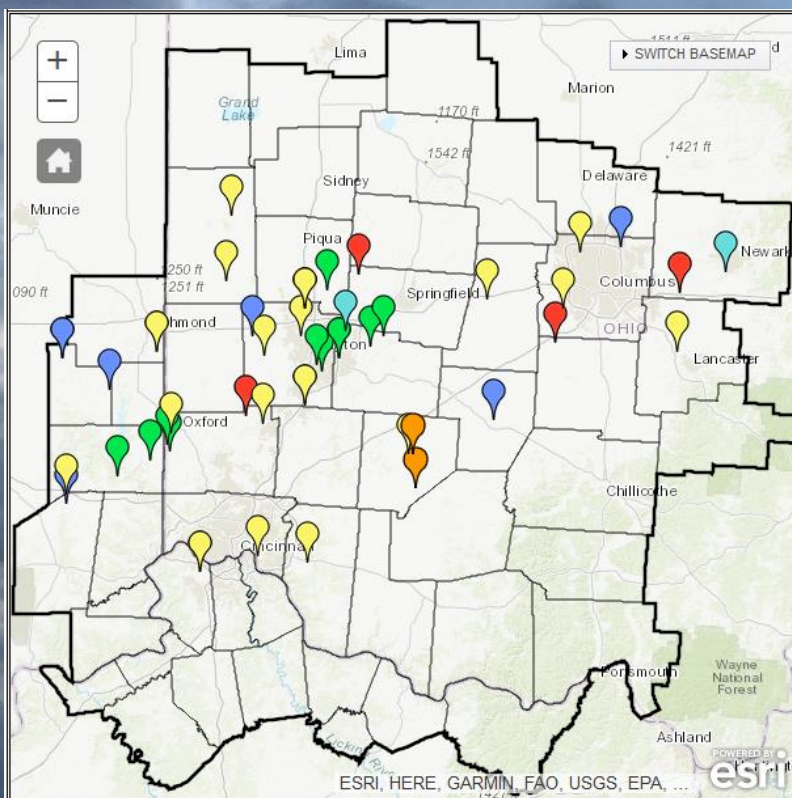
Created on: March 01, 2023 - 21:09 UTC  
 Valid on: March 01, 2023 12:00 UTC



# Severe Weather









*A strong low pressure system moved through on the 27<sup>th</sup>. Supercells developed during the afternoon hours just south of a warm front. These supercells led to reports of tornadoes, damaging wind, and large hail. Hail reports of up to 1.75 inches occurred with multiple reports of hail greater than an inch.*

*Four tornadoes were confirmed in Wilmington's county warning area including an EF1 near Middletown, an EF1 near New Carlisle, an EF0 near Orient, and another EF0 near Etna, Ohio.*



NOTE: Marker locations are approximate and are not accurate to street level.

## LOCAL STORM REPORTS:

- |   |   |  |  |
|---|---|--|--|
| <input checked="" type="checkbox"/>  Tornado | <input checked="" type="checkbox"/>  Hail        | <input checked="" type="checkbox"/>  Thunderstorm Wind Gust     | <input checked="" type="checkbox"/>  Thunderstorm Wind Damage     |
| <input checked="" type="checkbox"/>  Flood   | <input checked="" type="checkbox"/>  Flash Flood | <input checked="" type="checkbox"/>  Non-Thunderstorm Wind Gust | <input checked="" type="checkbox"/>  Non-Thunderstorm Wind Damage |





# March Outlook

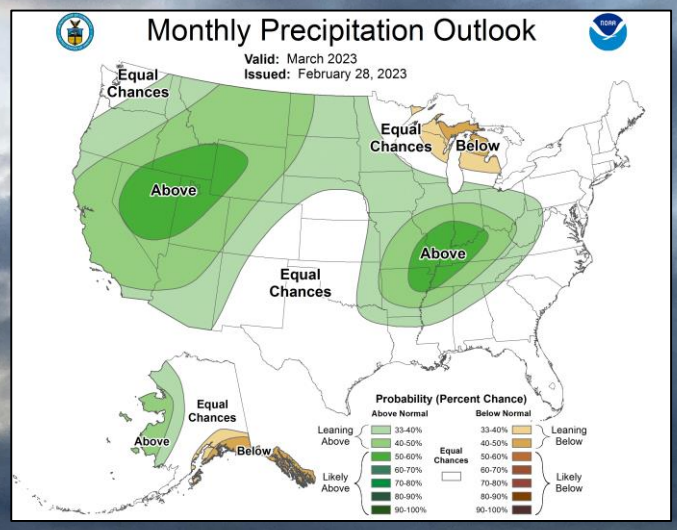
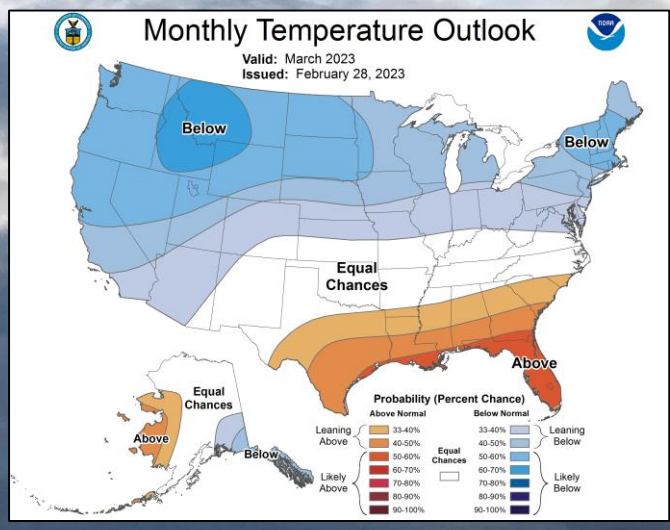
*The latest outlook from the Climate Prediction Center calls for an increased likelihood of below normal temperatures and above normal precipitation.*

Site	Normal Avg Temp (°F)	Normal High (°F)	Normal Low (°F)
Cincinnati (CVG)	43.6	53.5	33.8
Columbus (CMH)	41.6	51.1	32.0
Dayton (DAY)	42.1	51.5	32.7

Site	Normal Precipitation (in.)	Normal Snowfall (in.)
Cincinnati (CVG)	4.16	3.4
Columbus (CMH)	3.62	4.1
Dayton (DAY)	3.50	3.9

## Upcoming Temperature Outlook

## Upcoming Precipitation Outlook



# March – May Outlook

*A La Niña advisory remains in effect, however ENSO-neutral conditions are expected to begin within the next couple of months and persist through the early summer months. There is an increased likelihood of above normal temperatures and precipitation for the March, April, and May timeframe.*

## Three-Month (MAM) Temp. Outlook

## Three-Month (MAM) Precip. Outlook

