

# NWS Wilmington, Ohio January 2023 Regional Climate Summary

## Regional Climate Summary

***Despite the significant departures of above normal temperatures for the month, the area was unable to completely avoid wintry precipitation impacts. The most significant winter impacts occurred in the last 10 days of the month when accumulating snow, freezing rain, and sleet occurred. In addition to winter impacts, severe weather also occurred during several days of the month.***

# Temperatures

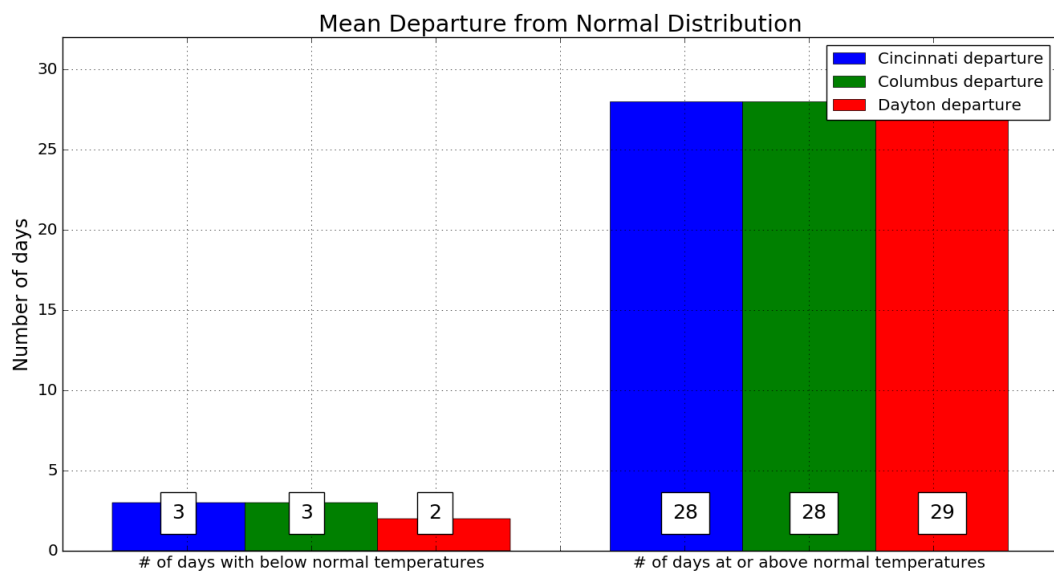
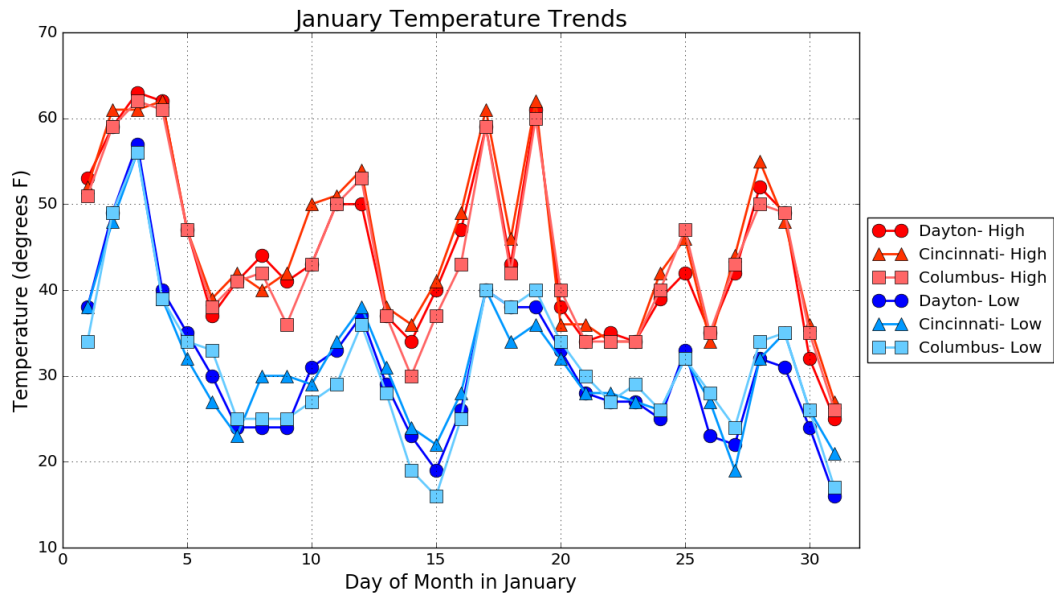
*The first few days of the month provided a warm start to 2023. Departures from normal were +15 to 25 degrees. Two locations, Dayton and Columbus, observed a record high minimum temperature on January 3<sup>rd</sup>.*

*Temperatures closer to normal returned between the 6<sup>th</sup> and the 8<sup>th</sup>, but another surge of warmer temperatures occurred between the 9<sup>th</sup> and the 12<sup>th</sup>, maintaining the well above normal monthly departures to date. Another period of temperatures departures between +10 to 20 degrees occurred on the 17<sup>th</sup> through the 19<sup>th</sup>.*

*A longer period of near normal temperatures persisted between the 20<sup>th</sup> and 27<sup>th</sup>. This colder period was enough to provide several opportunities for wintry precipitation. The 28<sup>th</sup> and 29<sup>th</sup> were well above normal before near normal to below normal temperatures returned on the 30<sup>th</sup>. The month finished off on a cold note on the 31<sup>st</sup>, however overall for the month well above normal temperatures prevailed.*

Site	Avg Temp (°F)	Avg High Temp (°F)	Avg Low Temp (°F)	Departure From Normal (°F)	Maximum Temperature (°F)	Minimum Temperature (°F)
Cincinnati (CVG)	38.4°F	45.4°F	31.4°F	+ 7.0°F	62°F (01/04, 01/19)	19°F (01/27)
Columbus (CMH)	37.4°F	43.8°F	31.0°F	+ 7.8°F	62°F (01/03)	16°F (01/15)
Dayton (DAY)	37.5°F	44.1°F	30.8°F	+ 8.1°F	63°F (01/03)	16°F (01/31)

# Temperatures (Continued)



# Precipitation

*With the warm start to the month, atmospheric moisture availability was also well above normal. This resulted in a significant rainfall event on the 3<sup>rd</sup> and 4<sup>th</sup> of the month, leading to several reports of flash flooding across portions of northern Kentucky and southern Ohio. While not directly impacting local climate sites, observations of 2.5"+ were observed. Dayton avoided the heaviest rain, only receiving three to four tenths. Columbus and Cincinnati were both over one inch.*

*A few flurries and light to moderate rainfall events occurred throughout the middle portions of the month. Up until the 22<sup>nd</sup> of the month, all three climate locations had observed anything between a trace or a couple tenths, which was well below normal to date.*

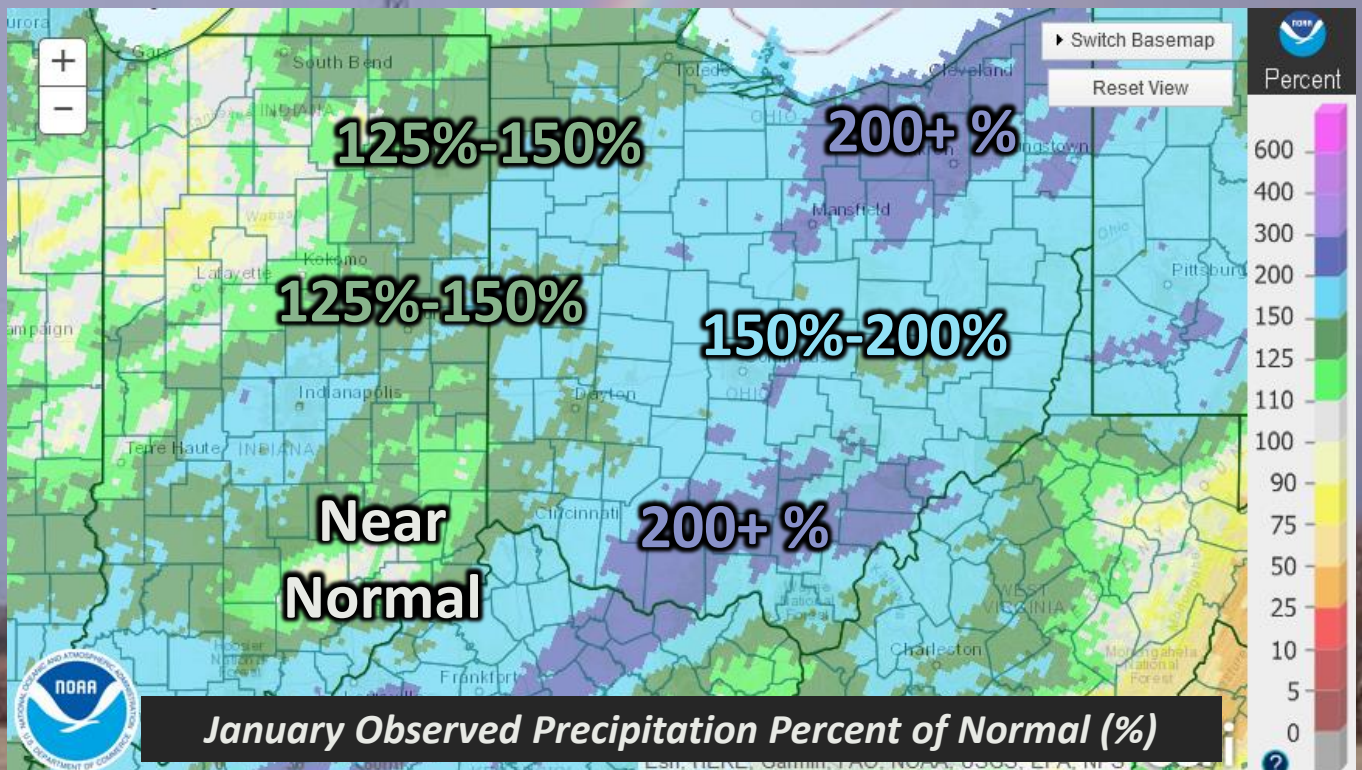
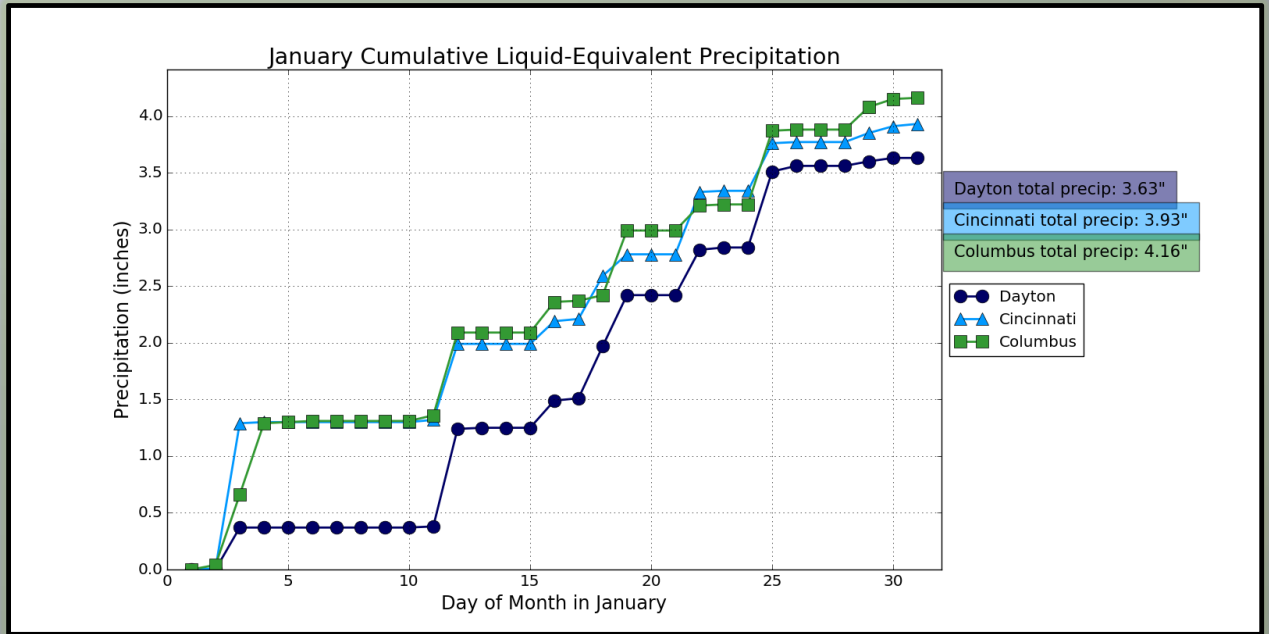
*A band of snow with locally heavy snowfall rates developed on the 22<sup>nd</sup>, dropping a swath of 2-6.5" along the I-71 corridor, impacting all three climate sites. At 5.6" of snowfall, Cincinnati was the only location to break a daily snowfall amount. A mix of precipitation occurred on the 24<sup>th</sup> to the 25<sup>th</sup>. The snow that did occur with this was a very wet snow. Some locations did not receive any snow, while others received 3-5" of snow. 5.0" at Dayton set a record for the day on the 25<sup>th</sup>. A light wintry mix brought some travel difficulties on the evening of the 30<sup>th</sup> to the morning of the 31<sup>st</sup>. All three climate locations observed above normal precipitation.*

Site	Total Precipitation (in.)	Departure From Normal (in.)	Max Daily Precipitation (in./date)		Total Snowfall (in.)	Max Daily Snowfall (in./date)	
Cincinnati (CVG)	3.93"	+ 0.63	1.28"	(01/03)	7.1"	5.6"	(01/22)
Columbus (CMH)	4.16"	+ 1.16	0.89"	(01/11-12)	5.4"	3.0"	(01/22)
Dayton (DAY)	3.63"	+ 0.55	1.39"	(01/03)	10.4"	5.0"	(01/25)





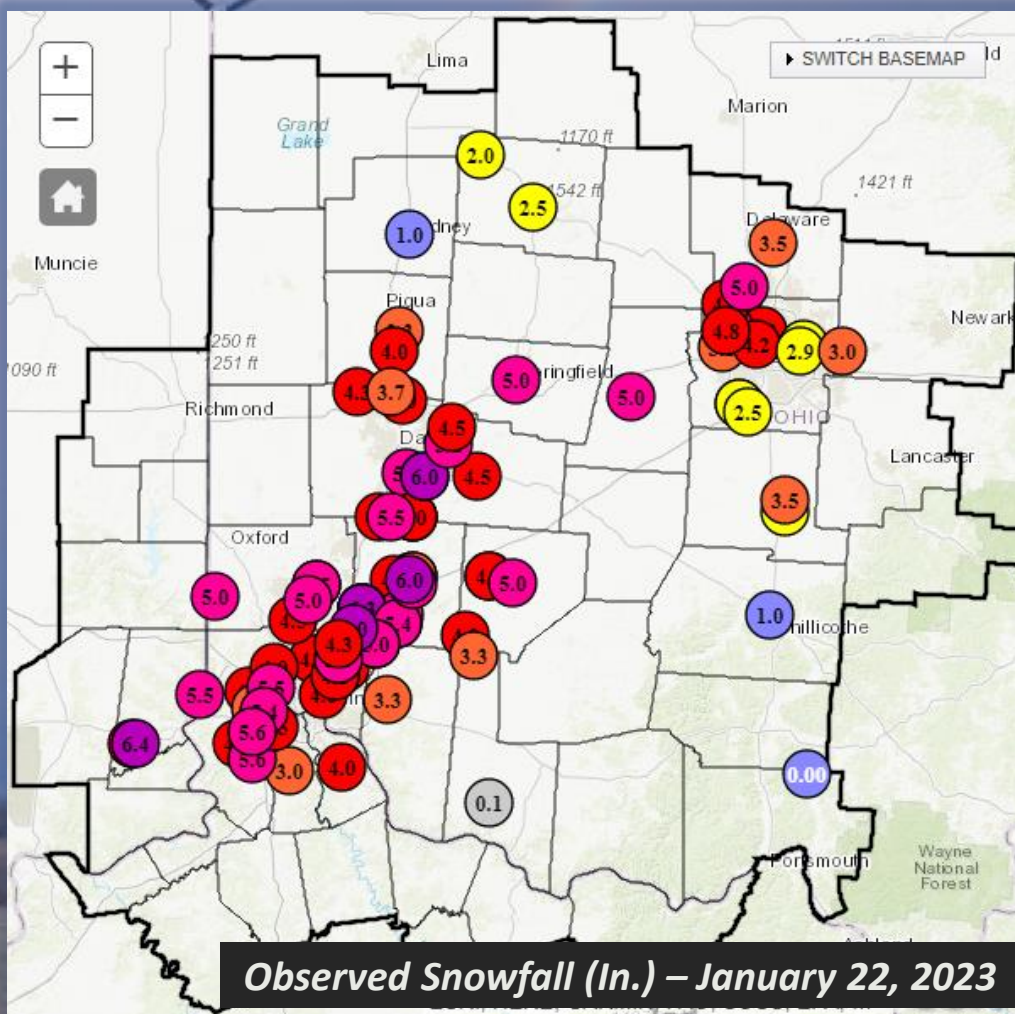
# Precipitation (Continued)



# Winter Weather

*After a three plus week period of very little snow, several snow events evolved over the final 10 days of the month. The biggest snow producer moved through the region on the 22<sup>nd</sup>. A weak system with a favorable setup provided many in the area with a modest winter storm.*

*Temperatures were near freezing, but heavy snowfall rates over a narrow corridor kept temperatures from rising, leading to snow covered roads and difficult travel. As snow rates decreased, roads cleared quite quickly, however, this was only after numerous 4-6" snow reports came in. The map below can be found at: <https://www.weather.gov/iln/20230122>*

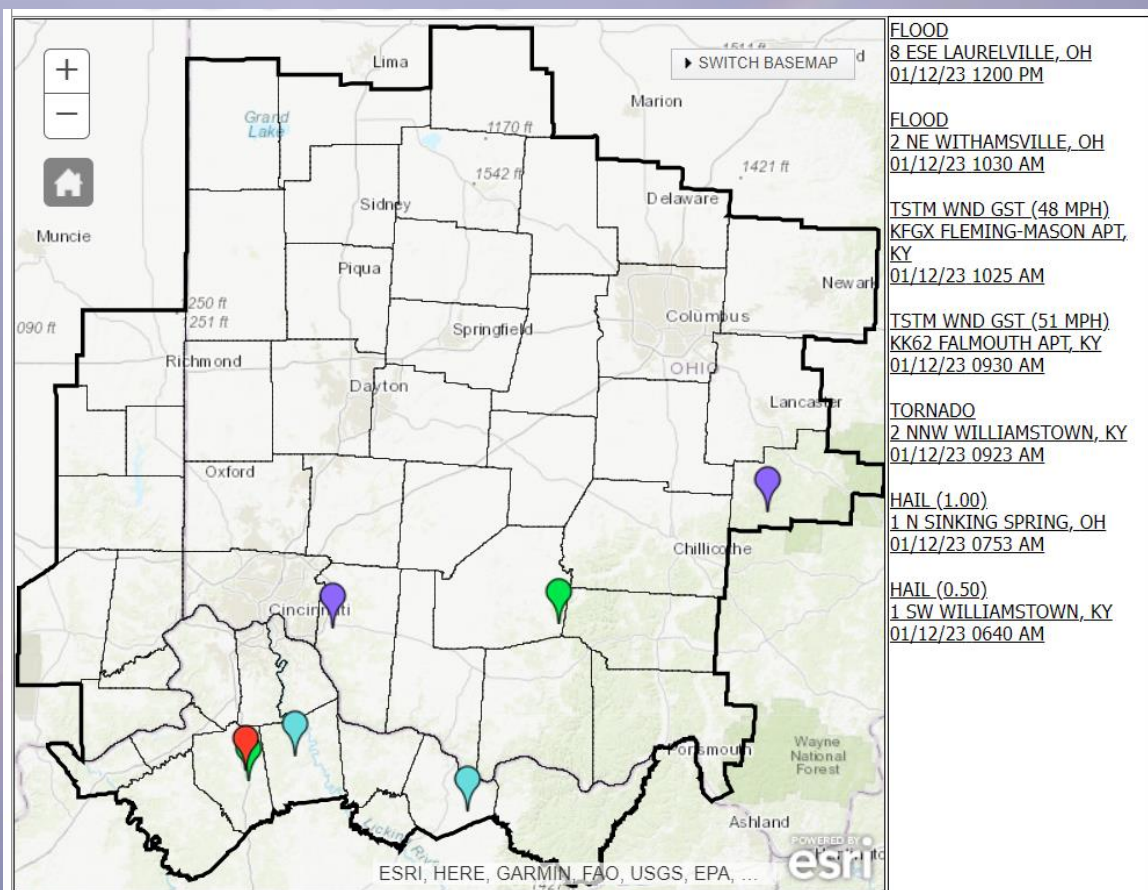


**Observed Snowfall (In.) – January 22, 2023**



# Severe Weather

*Damaging winds occurred early in the month on the 3<sup>rd</sup>. Additional severe weather occurred on the 12<sup>th</sup> and reports from that event are shown below. An EF0 tornado was confirmed in northern Kentucky on the 12<sup>th</sup> near Williamstown in Grant County, Kentucky.*



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 |
| <input checked="" type="checkbox"/> Other Report |   |  |  |

**Storm Reports Received – January 12, 2023**



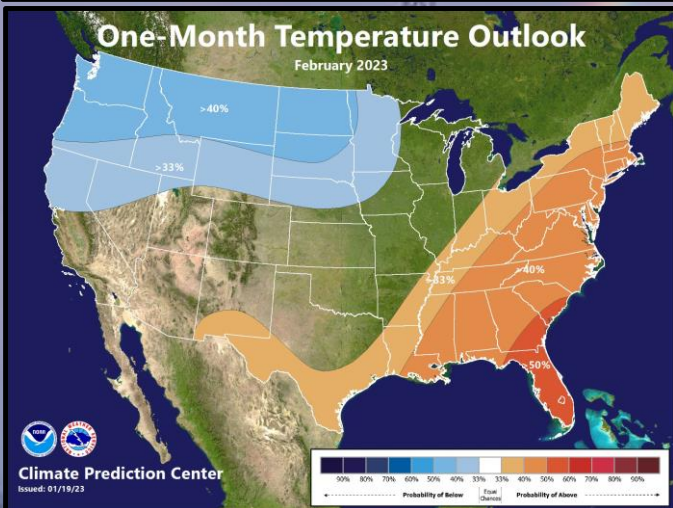
# February Outlook

*The latest outlook from the Climate Prediction Center (CPC) calls for an increased likelihood of above normal temperatures and precipitation for the month of February for much of the Ohio Valley.*

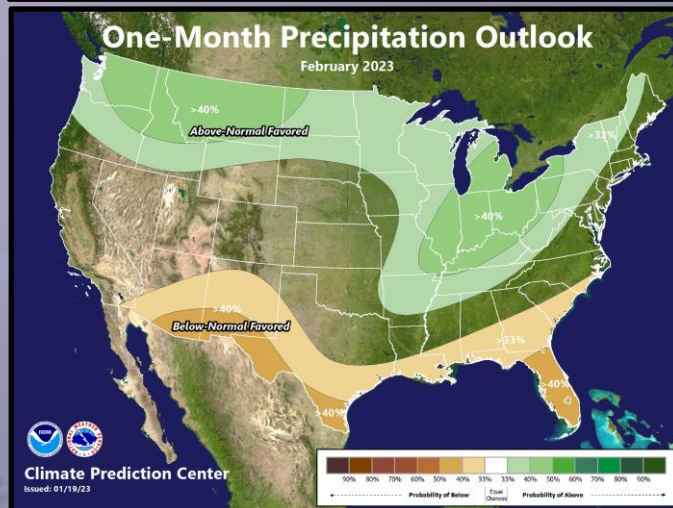
Site	Normal Avg Temp (°F)	Normal High (°F)	Normal Low (°F)
Cincinnati (CVG)	34.7°F	43.7°F	25.8°F
Columbus (CMH)	32.5°F	40.8°F	24.2°F
Dayton (DAY)	32.8°F	41.2°F	24.5°F

Site	Normal Precipitation (in.)	Normal Snowfall (in.)
Cincinnati (CVG)	3.17"	6.7"
Columbus (CMH)	2.41"	7.6"
Dayton (DAY)	2.35"	6.6"

## February Temperature Outlook



## February Precipitation Outlook

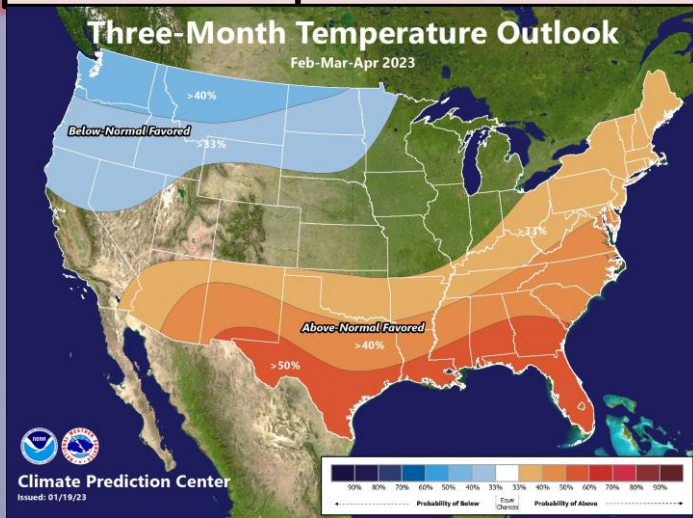




# February-April Outlook

There is an increased likelihood of above normal temperatures and above normal precipitation during the February through April timeframe. A transition from La Niña to ENSO-neutral is anticipated during this time. By spring (March-May 2023), the chance for ENSO-neutral is 82%.

## Three-Month (FMA) Temp. Outlook



## Three-Month (FMA) Precip. Outlook

