



# NWS Wilmington, Ohio December 2023 Regional Climate Summary

## Regional Climate Summary

***The major headline across the region for the month of December was the abnormally warm temperatures. Average temperatures were five to seven degrees above normal. No severe weather or widespread winter impacts were observed with all climate sites observing less than an inch of snow. Cloudy skies dominated the final week of the month.***

# Temperatures

*Expectations for the month of December were that the region would see above normal temperatures, and that certainly came true as all three climate sites were well above normal. Columbus and Dayton observed their top 5 warmest December on record with Cincinnati observing a top 15 warmest.*

*While there were some ups and downs in temperatures throughout the month, several warm periods (8<sup>th</sup>-9<sup>th</sup>, 16<sup>th</sup>-17<sup>th</sup>, and 22<sup>nd</sup>- 27<sup>th</sup>) provided daily temperature departures from normal of greater than 10°. The colder periods were much less significant and paled in comparison to the extreme cold observed last year. In fact, there were only three to four days where the observed temperatures were below normal.*

*The Christmas holiday was abnormally warm with all sites observing top 10 warmest on record as temperatures in the lower 60s and upper 50s were observed.*

*When reviewing the lowest temperature recorded for all three climate sites during the month, two sites (Dayton & Columbus) observed records\*.*

**Dayton: 24°F**, breaks the previous record of 22° most recently set in 2015.

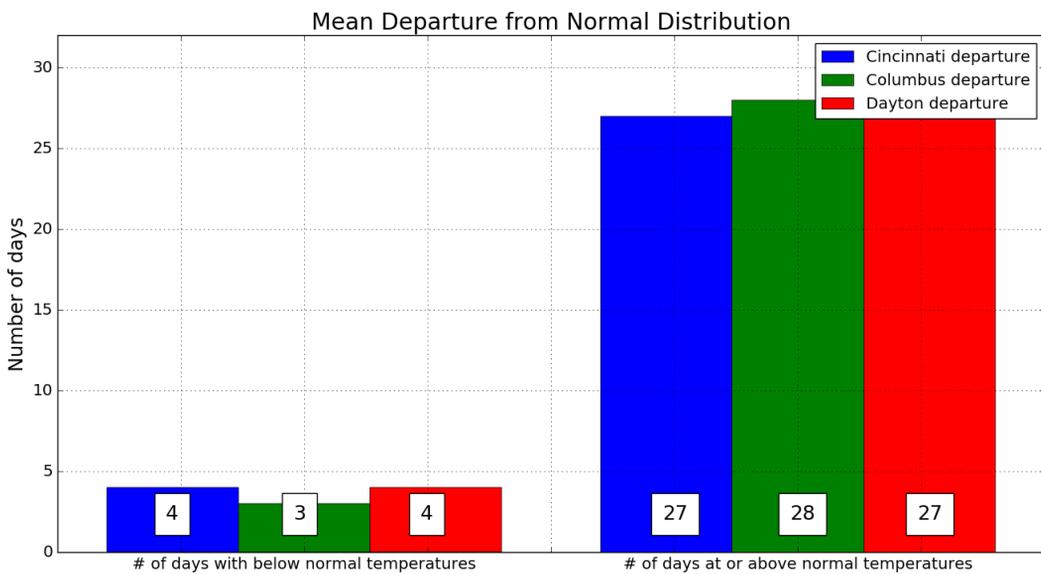
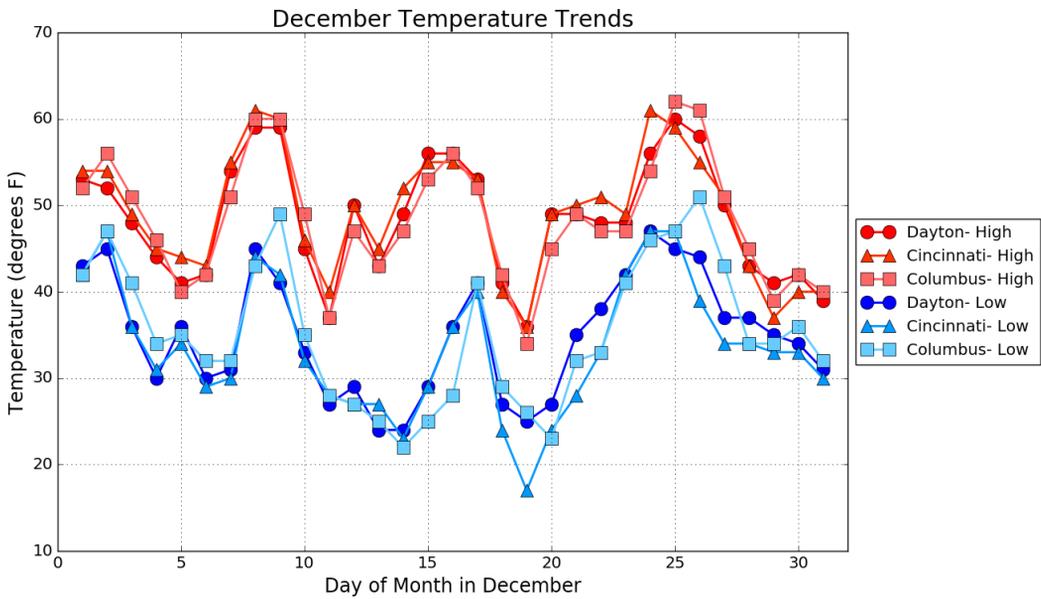
**Columbus: 22°F**, breaks the previous record of 21° most recently set in 2015.

**Cincinnati: 17°F**, was tied 18<sup>th</sup> highest. Current record is 26° set in 1877.

Site	Avg Temp (°F)	Avg High Temp (°F)	Avg Low Temp (°F)	Departure From Normal (°F)	Maximum Temperature (°F)	Minimum Temperature (°F)
Cincinnati (CVG)	41.4	49.1	33.6	5.8	61	17
Columbus (CMH)	41.8	48.4	35.3	7.3	62	22*
Dayton (DAY)	41.7	48.4	35.0	7.4	60	24*



# Temperatures (Continued)



# Precipitation

The month of December featured a fairly common amount of days of precipitation (between 11-14) where at least 0.01" was observed, however, monthly total amounts were still below normal for Dayton and Cincinnati. Columbus was the only climate site to observe above normal.

The maps on page 5 and 6 reveal that locations along and west of the I-75 corridor, along with portions of northern Kentucky, observed the least amount of rain across the area. Near normal amounts were observed essentially everywhere else with a few isolated spots seeing above normal amounts.

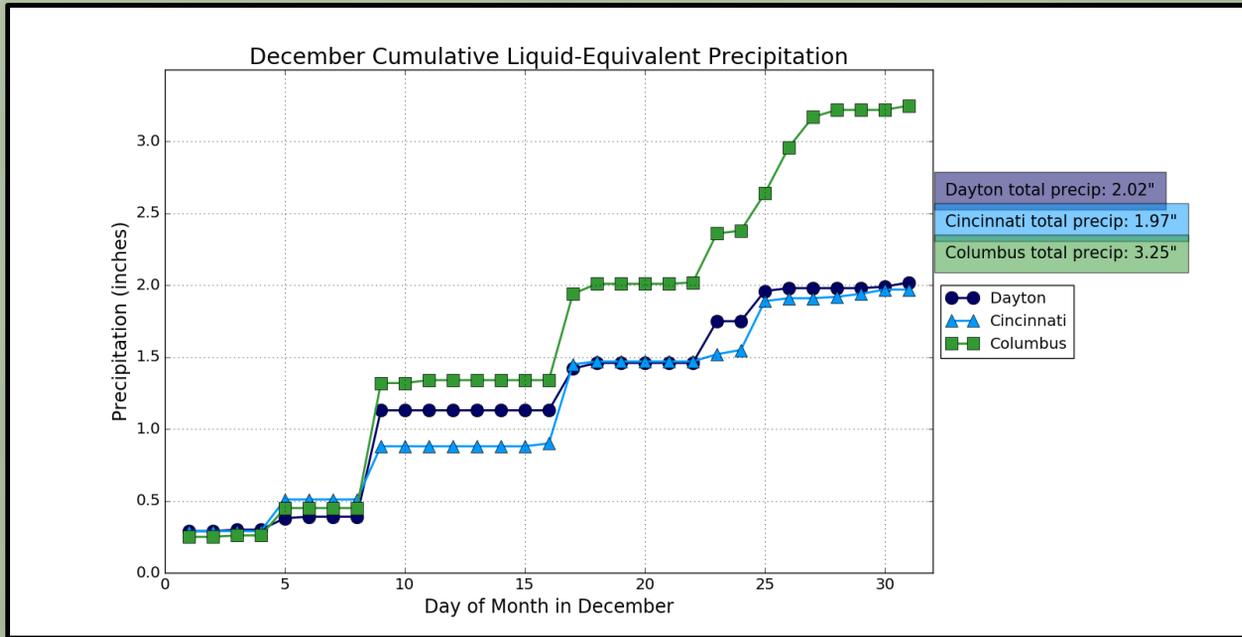
The Columbus area observed the highest daily amount for the month, and it also observed a much wetter period from the 23<sup>rd</sup> through the 28<sup>th</sup>. This helped create the differences observed across the area.

Overall, total snowfall amounts were low with less than an inch observed at all sites.

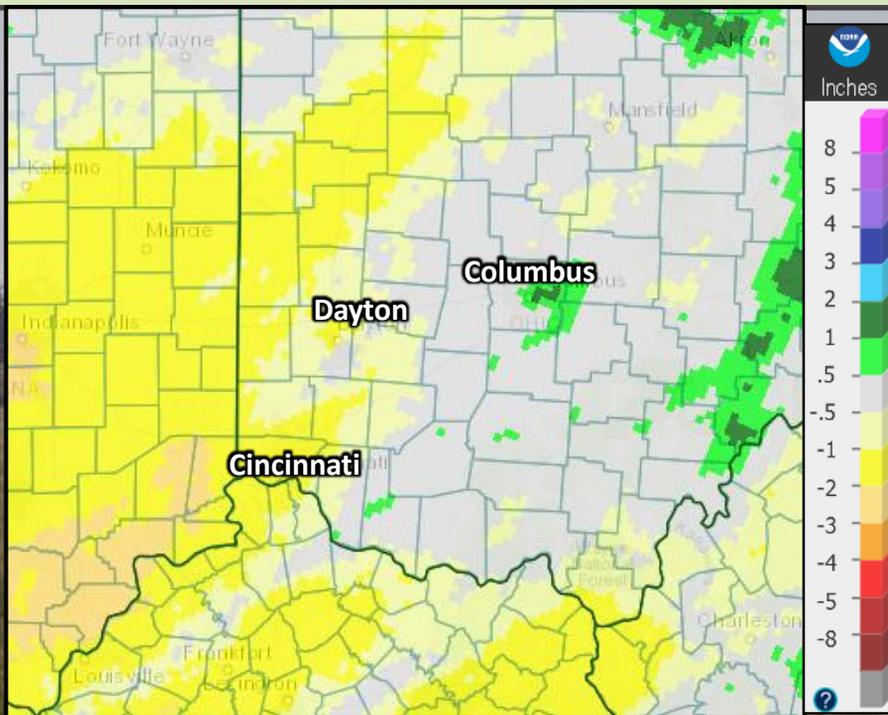
Site	Total Precipitation (in.)	Departure From Normal (in.)	Max Daily Precipitation (in./date)		Total Snowfall (in.)	Max Daily Snowfall (in./date)	
Cincinnati (CVG)	1.97	-1.76	0.55	17 <sup>th</sup>	0.9	0.8	18 <sup>th</sup>
Columbus (CMH)	3.25	0.12	0.87	9 <sup>th</sup>	0.4	0.3	18 <sup>th</sup>
Dayton (DAY)	2.02	-1.03	0.74	9 <sup>th</sup>	0.9	0.7	18 <sup>th</sup>



# Precipitation (Continued)

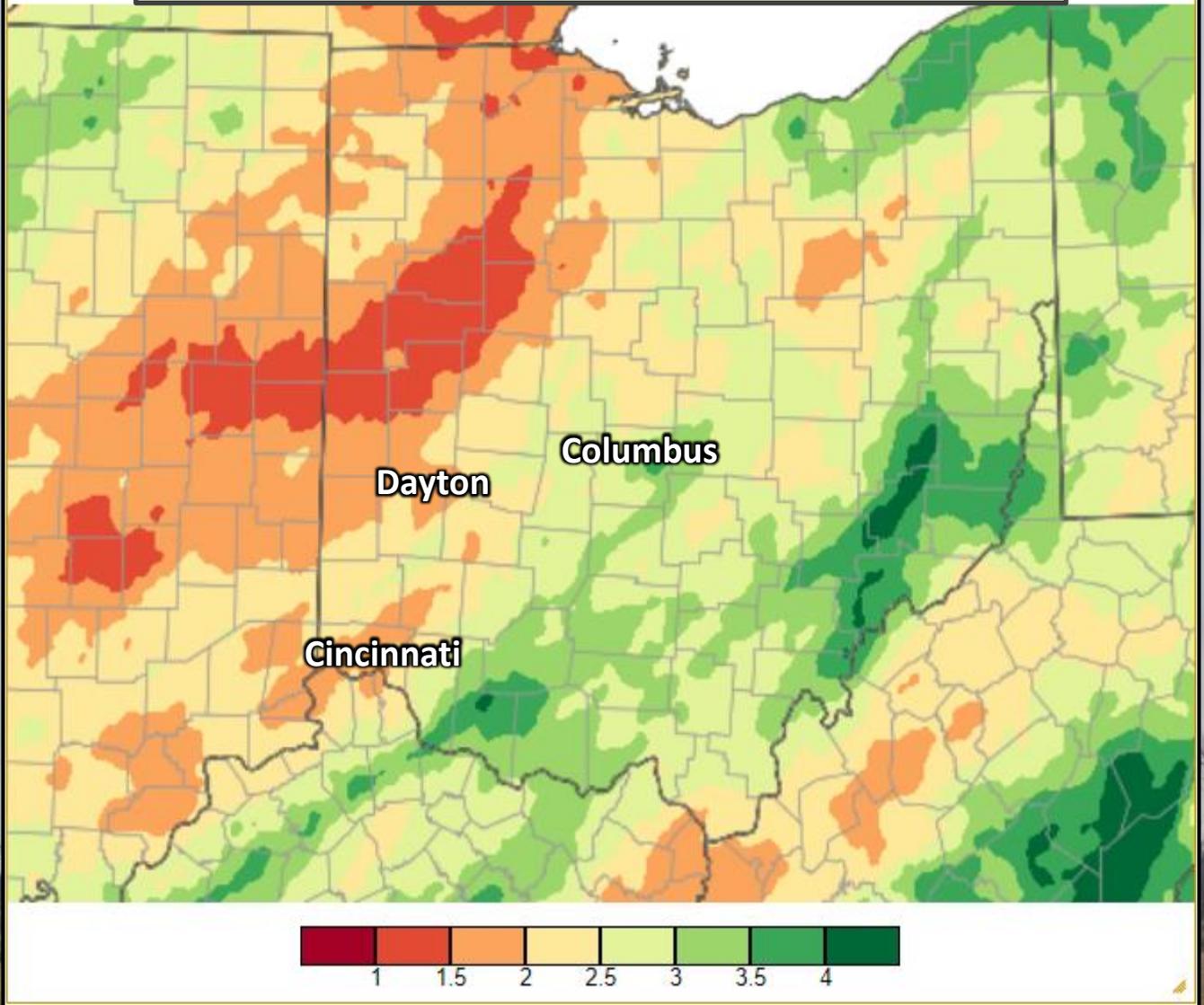


## December Precipitation Departure From Normal (In.)



# Precipitation (Continued)

December Precipitation Total (In.)



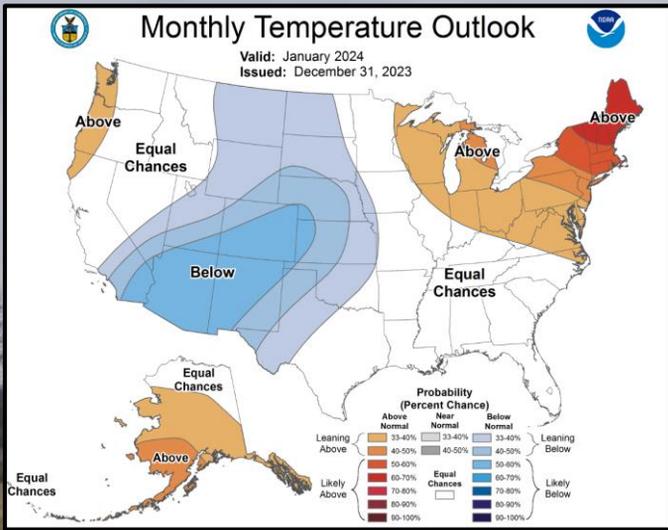
# January Outlook

The latest outlook from the Climate Prediction Center calls for an increased likelihood of above normal temperatures. There is not a clear signal for precipitation with equal chances of below, normal, and above.

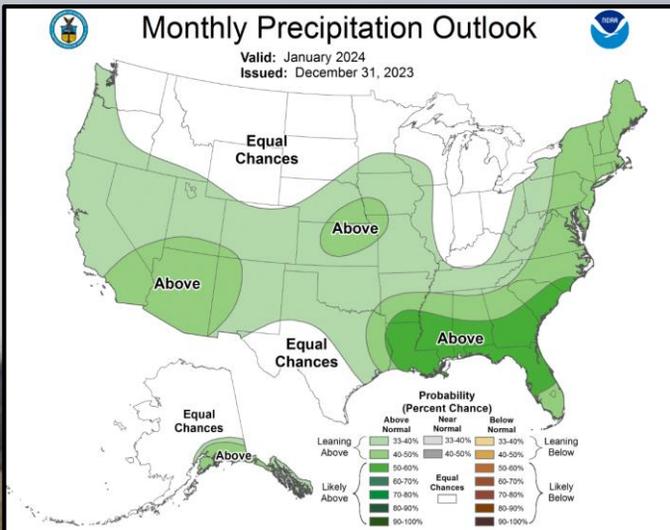
Site	Normal Avg Temp (°F)	Normal High (°F)	Normal Low (°F)
Cincinnati (CVG)	31.4	39.6	23.1
Columbus (CMH)	29.6	37.1	22.0
Dayton (DAY)	29.4	37.1	21.8

Site	Normal Precipitation (in.)	Normal Snowfall (in.)
Cincinnati (CVG)	3.30	7.7
Columbus (CMH)	3.00	9.5
Dayton (DAY)	3.08	8.3

## Upcoming Temperature Outlook



## Upcoming Precipitation Outlook



# January – March Outlook

*El Niño is expected to continue through the remainder of the winter months with an El Niño advisory still in effect. There is also a 60% chance of a transition to a neutral pattern during the April-June timeframe.*

*As is typical with El Niño winters, the Climate Prediction Center expects an increased likelihood of above normal temperatures and below normal precipitation.*

## Three-Month (JFM) Temp. Outlook

## Three-Month (JFM) Precip. Outlook

