



NWS Wilmington, Ohio February 2024 Regional Climate Summary

Regional Climate Summary

February was above normal for temperatures for most of the month. This led to very few days of snowfall across the region. A brief cool down and system around the middle of the month allowed for snowfall on the 16th with amounts generally ranging from one to eight inches. Beyond that, a much warmer pattern evolved for most of the final 10 days of the month, with several days of rain during this stretch as well. Severe weather including several tornadoes occurred on the 28th.

Temperatures

Temperatures were above normal for the first half of the month. On some days, daily average temperatures were 10 to 20 degrees above normal. A record high low temperature of 52 was set at Dayton, Ohio on February 9th. This broke the old record of 49 set in 1938. A record high low temperature of 49 was set at Columbus, Ohio on February 9th. This broke the old record of 47 set in 1938.

A brief cool down occurred around the middle of the month with a few days of below normal temperatures occurring from the 16th through the 18th before becoming near normal for the 19th.

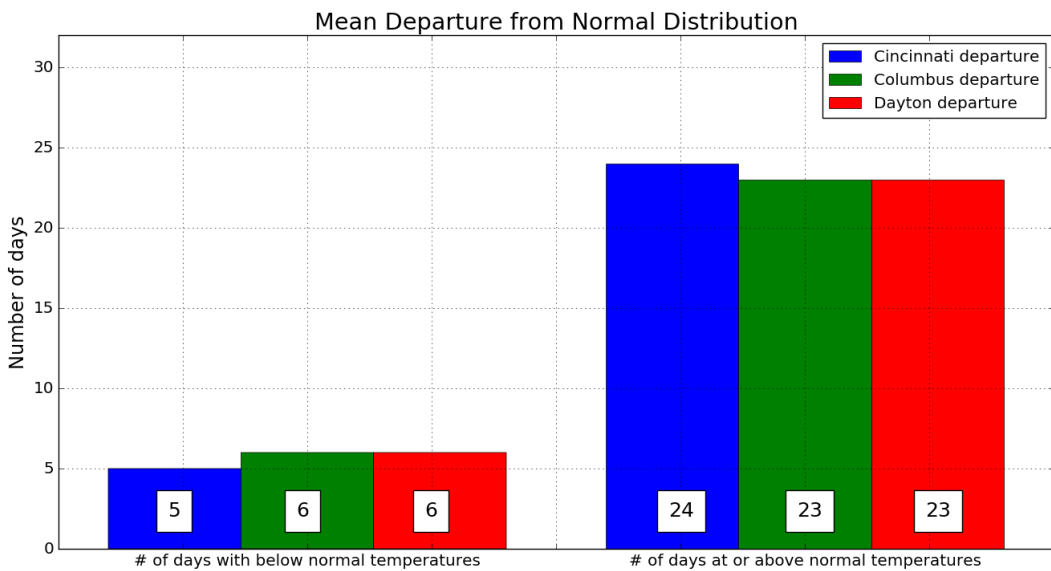
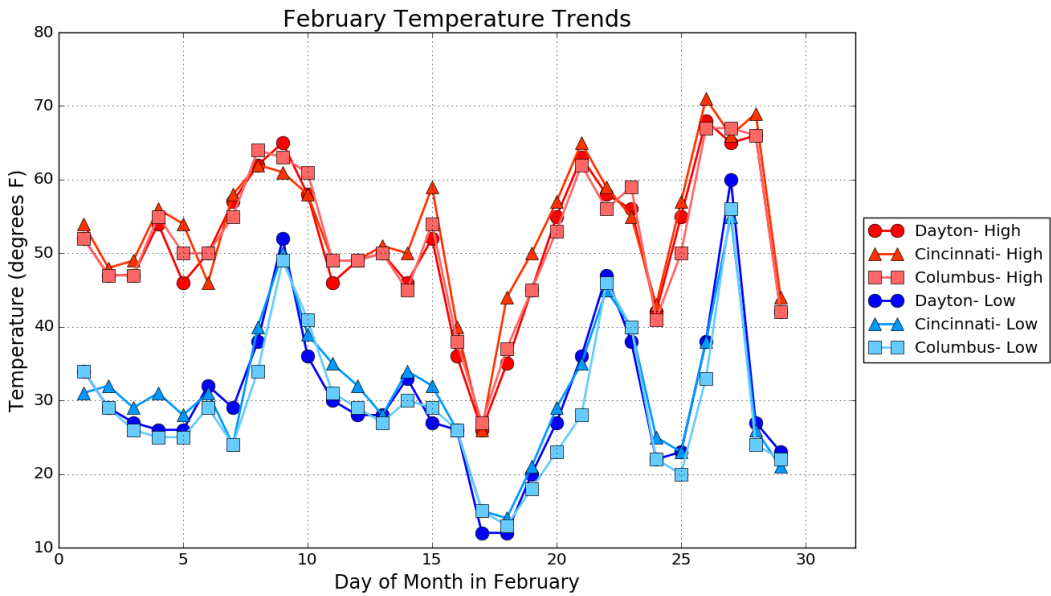
Above normal temperatures returned by the 20th and persisted through the 28th. In fact, high temperatures reached into the 50s, 60s, and even 70s on many of these days. A record high low temperature of 55 degrees was set at Cincinnati on February 27th breaking the old record of 54 set in 1876. A record high low temperature of 60 degrees was set at Dayton, Ohio on February 27th breaking the old record of 46 set in 1996. A record high temperature of 66 degrees was set in Dayton, Ohio on February 28th breaking the old record of 64 degrees set in 1972. A record high low temperature of 56 degrees was set at Columbus, Ohio on February 27th breaking the old record of 48 last set in 1996. A record high temperature of 66 degrees was set at Columbus, Ohio on February 28th breaking the old record of 65 degrees set in 1939.

A brief transition to below normal temperatures occurred on the 29th to finish of the month. Overall the month finished well above normal for temperatures.

| 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 | 31.3 | +7.7 | 71 on 26 th | 14 on 18 th |
| Columbus (CMH) | 40.5 | 51.8 | 29.2 | +8.0 | 67 on 26 th and 27 th | 13 on 18 th |
| Dayton (DAY) | 41.0 | 51.5 | 30.6 | +8.2 | 68 on 26 th | 12 on 17 th and 18 th |



Temperatures (Continued)



Precipitation

The first 2/3 of the month of February were quite dry, especially after the rather wet end to January across the region. In fact, there were very few days within the first 20+ days of the month with measurable precipitation, with most locales receiving less than 1 inch of total precipitation during this stretch. At Cincinnati (KCVG), Columbus (KCMH), and Dayton (KDAY), there were only 2 days within the first 21 of the month that featured measurable precipitation at all at any of the sites. There was one snow event which brought around 1 inch to in some cases over 8 inches of snow to the region on February 16th.

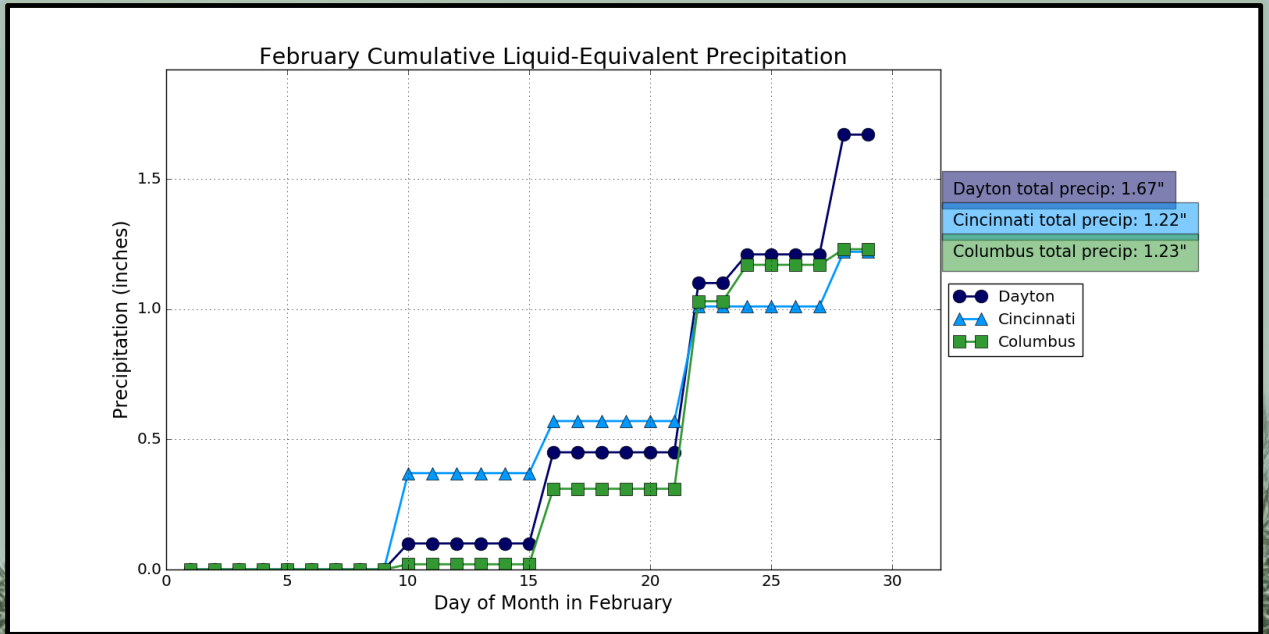
For the final part of the month however, the pattern shifted to a slightly wetter pattern. Severe weather also occurred on the 28th.

Overall the month finished below normal for precipitation across a vast majority of the region.

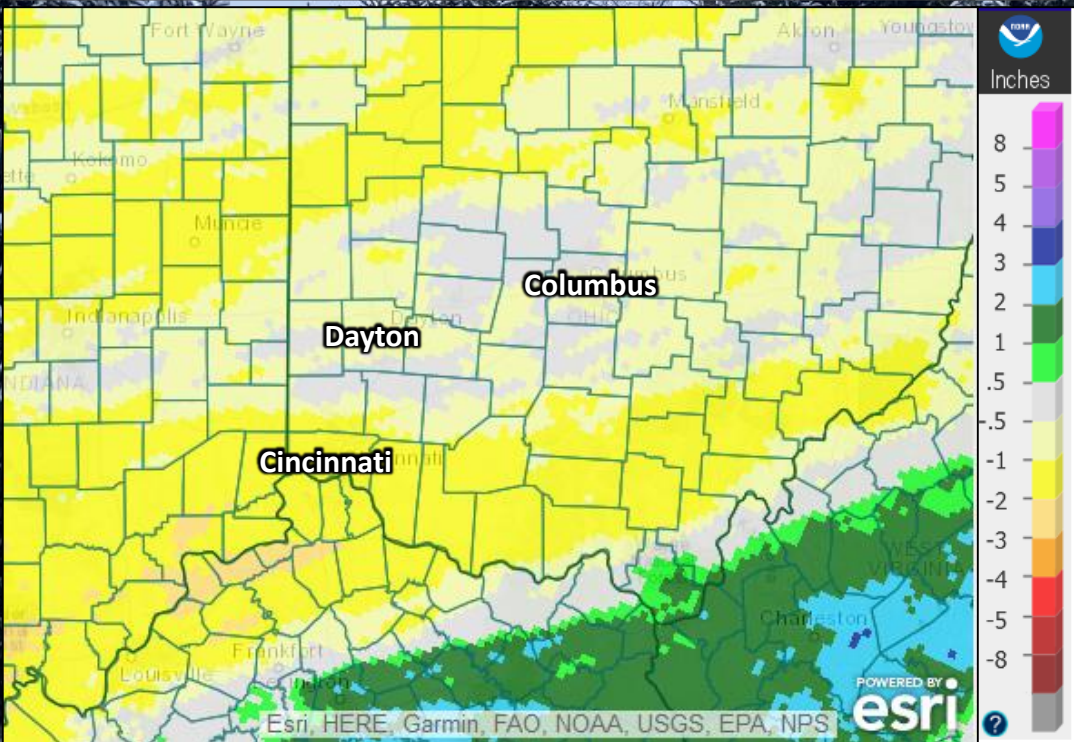
| Site | Total Precipitation (in.) | Departure From Normal (in.) | Max Daily Precipitation (in./date) | | Total Snowfall (in.) | Max Daily Snowfall (in./date) | |
|------------------|---------------------------|-----------------------------|------------------------------------|------------------|----------------------|-------------------------------|-------|
| Cincinnati (CVG) | 1.22 | -1.95 | 0.44 | 22nd | 2.3 | 2.3 | 02/16 |
| Columbus (CMH) | 1.23 | -1.18 | 0.72 | 22 nd | 7.0 | 4.4 | 02/16 |
| Dayton (DAY) | 1.67 | -0.68 | 0.65 | 22nd | 5.2 | 4.6 | 02/16 |



Precipitation (Continued)

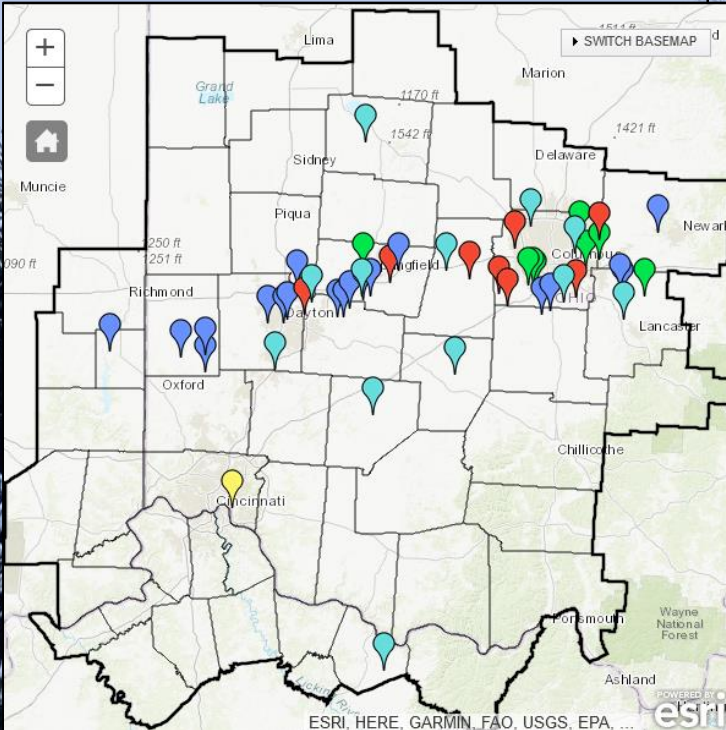


February Precipitation Departure From Normal (In.)







Severe Weather

Severe thunderstorms moved into the region during the early morning hours of Wednesday, February 28, 2024. With a significant amount of wind shear in the atmosphere, one section of this line of thunderstorms produced a series of tornadoes. Embedded supercells within the line produced two EF2 tornadoes. Several EF1 and EF0 tornadoes were also confirmed. Straight-line wind damage and hail also occurred.



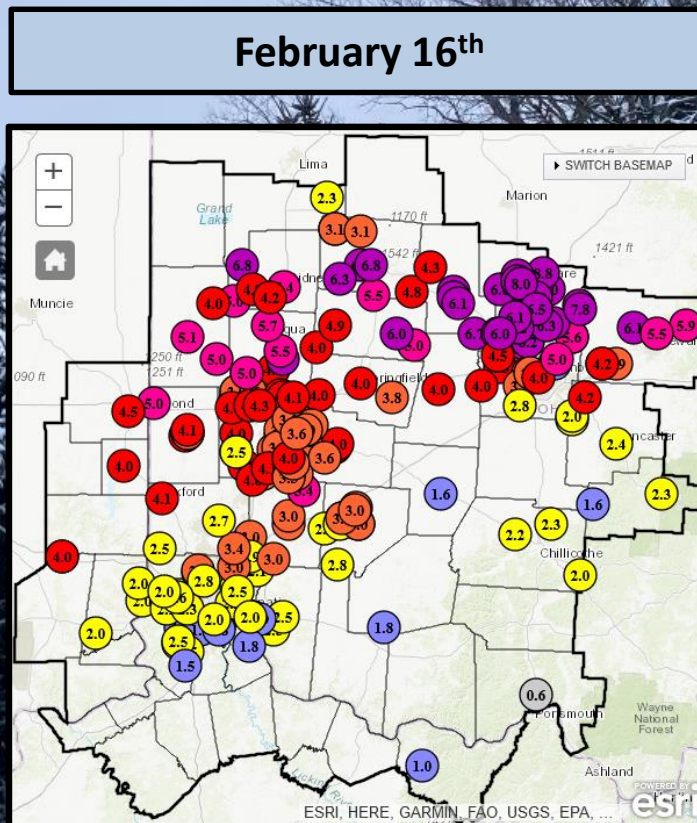
- [Tornado confirmed near Riverside, OH \(EF1\)](#)
- [Tornado confirmed near Springfield, OH \(EF2\)](#)
- [Tornado confirmed east of London, OH \(EF1\)](#)
- [Tornado confirmed in Hilliard, OH \(EF1\)](#)
- [Tornado confirmed west of Darbydale, OH \(EF0\)](#)
- [Tornado confirmed near Harrisburg, OH \(EF0\)](#)
- [Tornado confirmed near Groveport, OH \(EF0\)](#)
- [Tornado confirmed near Jersey, OH \(EF2\)](#)

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



Winter Weather

The heaviest and one of the few snowfall days of the month occurred on February 16th. Snow developed into the region during the day. A heavier band occurred north of I-70 during the daytime, while most other locations had the greatest snowfall during the late afternoon and early evening. The most widespread snow moved off to the east by midnight.



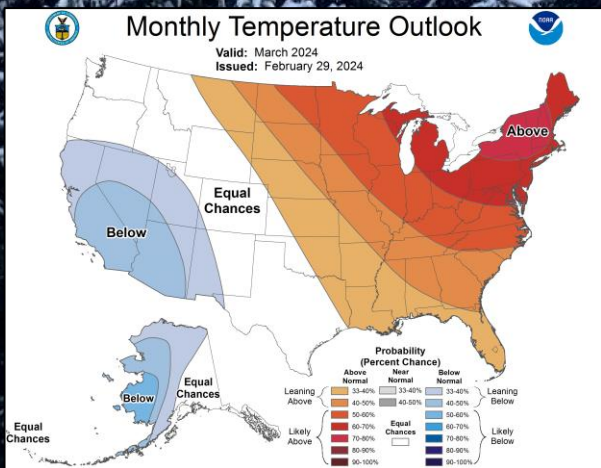
March Outlook

The latest outlook from the Climate Prediction Center calls for an increased likelihood of above normal temperatures for March. Most of the area is in equal chances for precipitation with a lean towards above normal precipitation across southeast Ohio and eastern Kentucky.

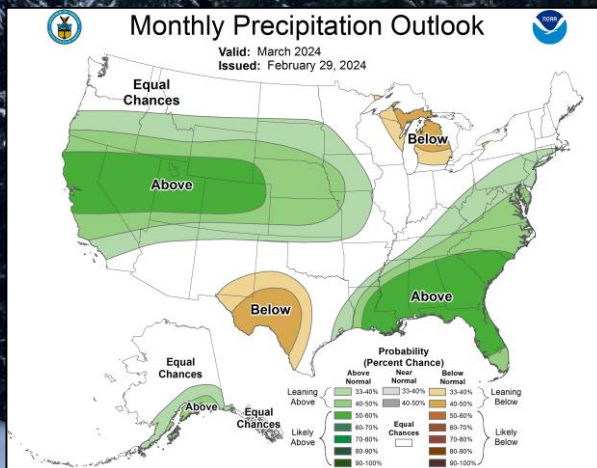
| Site | Normal Avg Temp (°F) | Normal High (°F) | Normal Low (°F) |
|------------------|----------------------|------------------|-----------------|
| Cincinnati (CVG) | 43.6 | 53.5 | 33.8 |
| Columbus (CMH) | 41.6 | 51.1 | 32.0 |
| Dayton (DAY) | 42.1 | 51.5 | 32.7 |

| 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

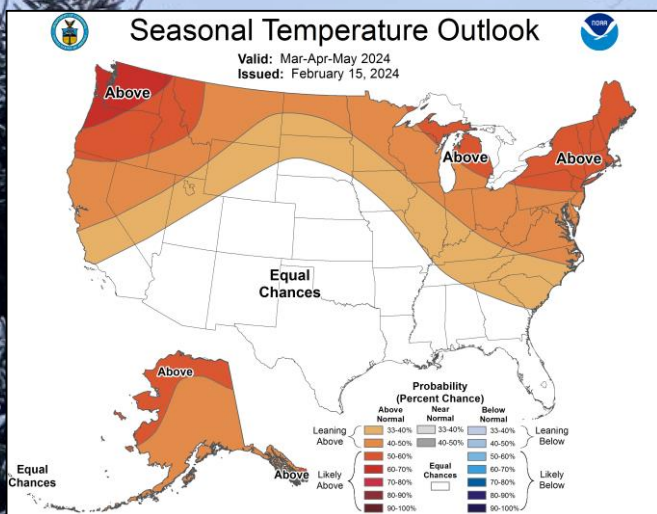


March-May Outlook

A transition from El Niño to ENSO-neutral conditions is likely (79%) by April to June 2024. There are increasing odds of La Niña developing in June-August 2024 (55%).

There is an increased likelihood of above normal temperatures and above normal precipitation for the March through May timeframe.

Three-Month (MAM) Temp. Outlook



Three-Month (MAM) Precip. Outlook

