



NWS Wilmington, Ohio April 2023 Regional Climate Summary

Regional Climate Summary

As is typical with spring, there were several fluctuations in temperatures throughout the month. The systems that brought these variations in temperature data also led to multiple active/severe weather events that included tornadoes, damaging winds, large hail, and even flooding.

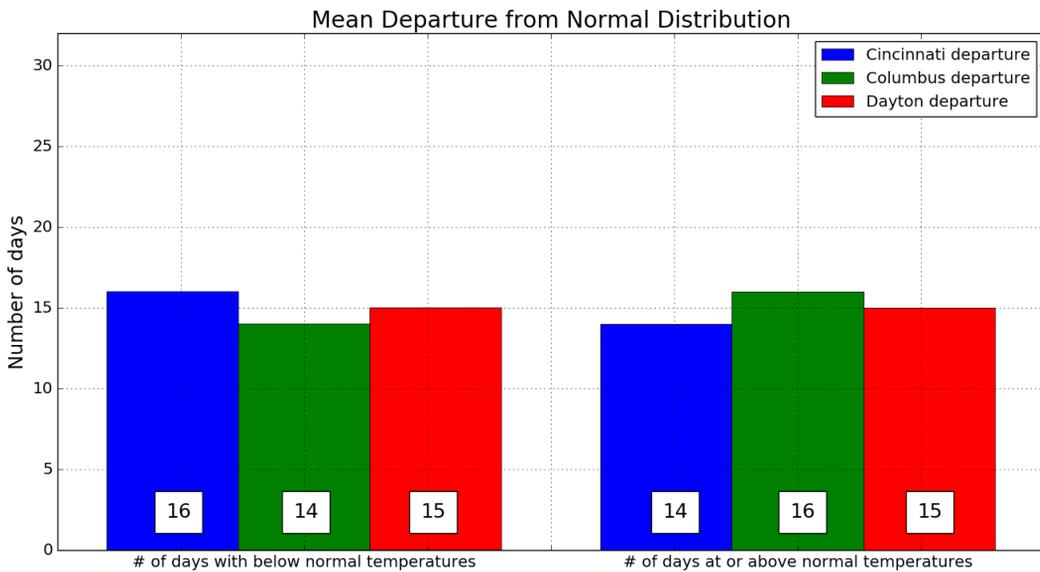
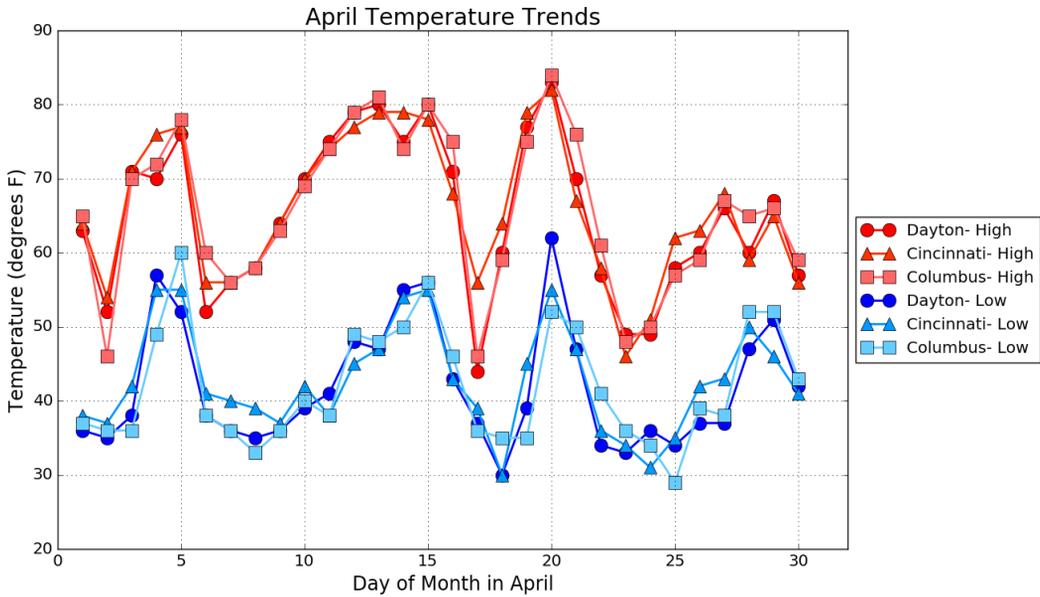
Temperatures

Several temperature swings occurred during the month. High temperatures reached as high as the 80s at times, while several nights dropped into the 30s, including a few nights of sub-freezing temperatures that dipped into the 20s. While a portion of the month did observe near-normal temperature values, there were a number of days in which the temperature values were 10+ degrees above normal, and days where temperatures were 10+ degrees below normal. Since there were large fluctuations in both the above and below normal categories, the overall monthly temperatures did not have a large departure from normal. Surprisingly, even with these large temperature swings, no new temperature records were set during the month.

| Site | Avg Temp (°F) | Avg High Temp (°F) | Avg Low Temp (°F) | Departure From Normal (°F) | Maximum Temperature (°F) | Minimum Temperature (°F) |
|------------------|---------------|--------------------|-------------------|----------------------------|--------------------------|--------------------------|
| Cincinnati (CVG) | 54.3°F | 65.9°F | 42.7°F | -0.3°F | 82°F on 20 th | 30°F on 18 th |
| Columbus (CMH) | 53.9°F | 65.7°F | 42.0°F | +0.7°F | 84°F on 20 th | 29°F on 25 th |
| Dayton (DAY) | 53.5°F | 65.0°F | 41.9°F | -0.2°F | 83°F on 20 th | 30°F on 18 th |



Temperatures (Continued)



Precipitation

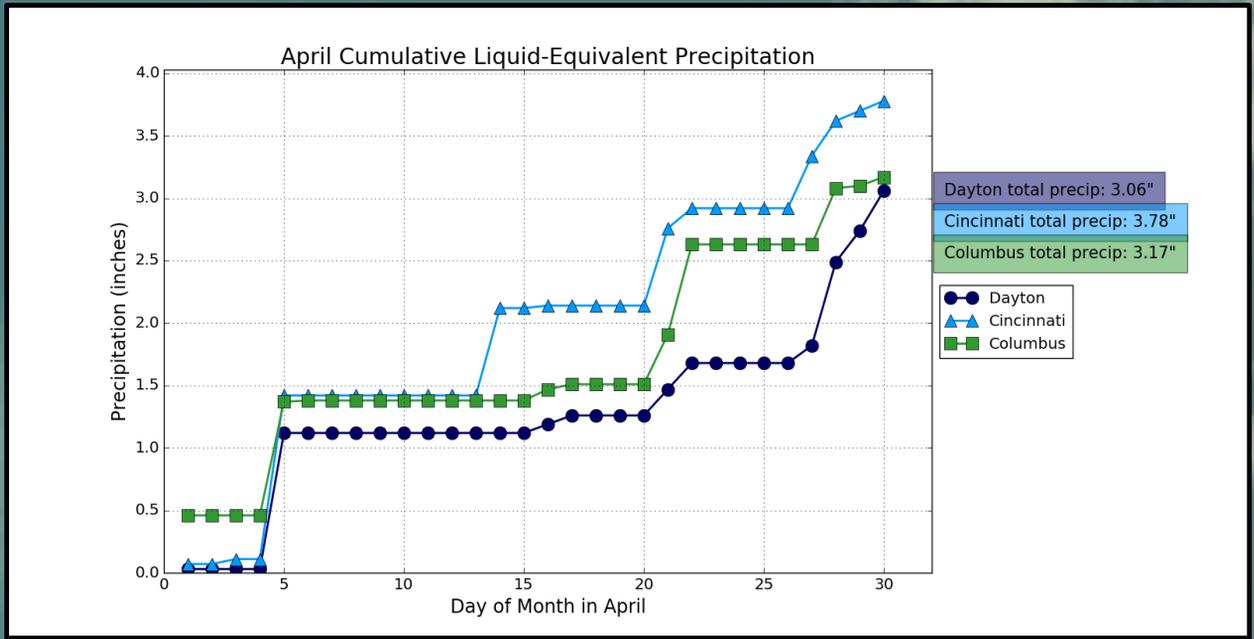
An active start to the month with two days of severe weather in the first 5 days brought several inches of precipitation to some areas. A record rainfall of 1.31 inches of rain occurred at Cincinnati on April 5th, breaking the old record of 1.19" set in 1936. After the 5th, a quiet stretch of drier weather occurred for over a week.

Closer towards the middle of April, the pattern became unsettled and provided several days of episodic precipitation, including some light to generally trace amounts of sleet and snow on the 17th. Dry weather returned on the 18th and would persist for a couple of days. A system on the 21st and 22nd brought a return of precipitation to the region along with cooler temperatures. After the 22nd, precipitation amounts were generally pretty light until the 27th when recorded rainfall totals were around a quarter of an inch to over an inch in some spots. On the 28th, showers and thunderstorms developed, with thunderstorms dropping 1-2 inches or so of rainfall in spots. An unsettled weather pattern would continue to end the month, dropping over half an inch of rainfall at Dayton between the 29th-30th, while Columbus and Cincinnati received lower amounts.

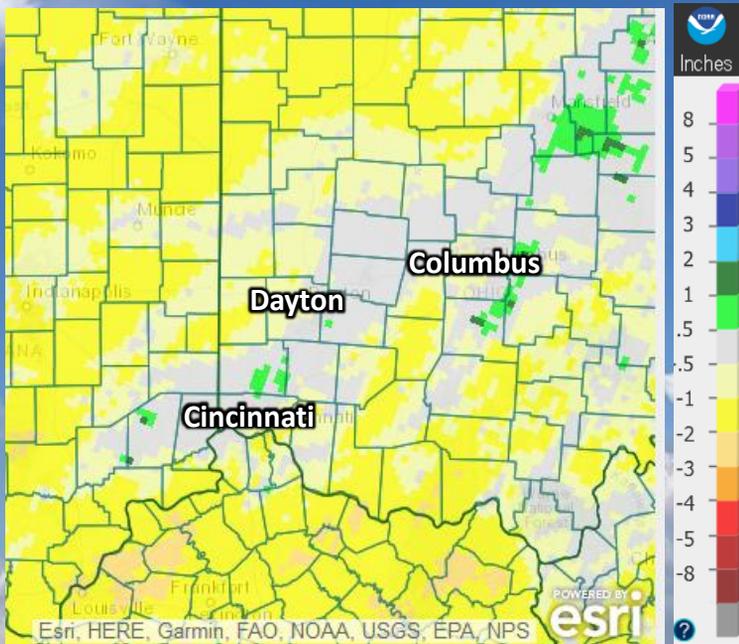
| Site | Total Precipitation (in.) | Departure From Normal (in.) | Max Daily Precipitation (in./date) | | Total Snowfall (in.) | Max Daily Snowfall (in./date) | |
|------------------|---------------------------|-----------------------------|------------------------------------|-----------------|----------------------|-------------------------------|------|
| Cincinnati (CVG) | 3.78 in. | -0.75 in. | 1.31 in. | 5 th | 0 | 0 | All |
| Columbus (CMH) | 3.17 in. | -0.68 in. | 0.91 in. | 5 th | T | T | 17th |
| Dayton (DAY) | 3.06 in. | -1.40 in. | 1.09 in. | 5 th | T | T | 17th |



Precipitation (Continued)

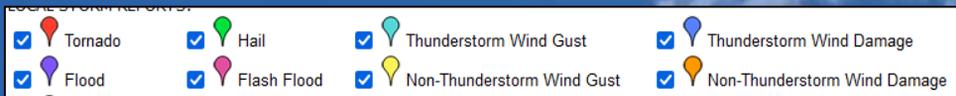


April Precipitation Departure From Normal (In.)

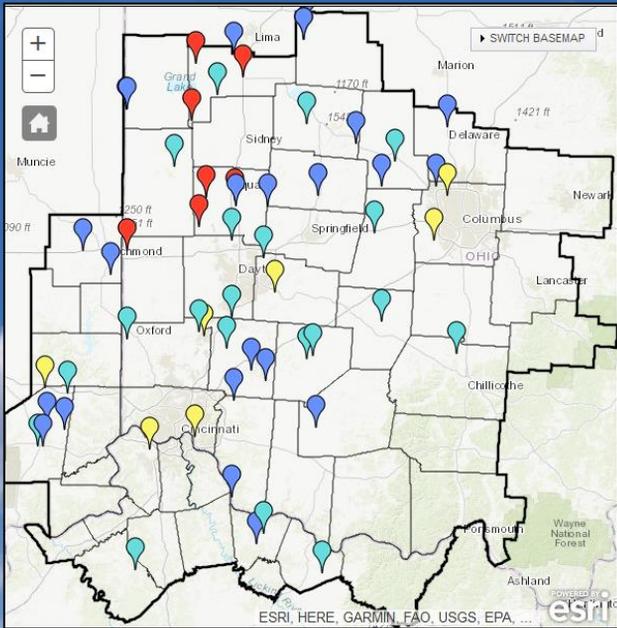


Severe Weather

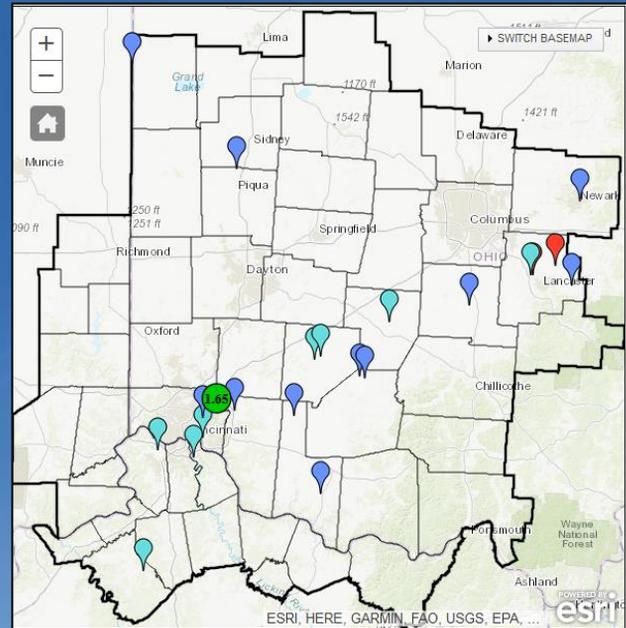
There was an active start to the month, with two severe weather events occurring in the first week alone. A total of 7 tornadoes occurred on April 1st, with 2 more confirmed tornadoes reported on the 5th along with a plethora of other wind damage reports. Isolated wind damage occurred again on the 16th. Isolated hail occurred on the 21st and 28th.



April 1st



April 5th



May Outlook

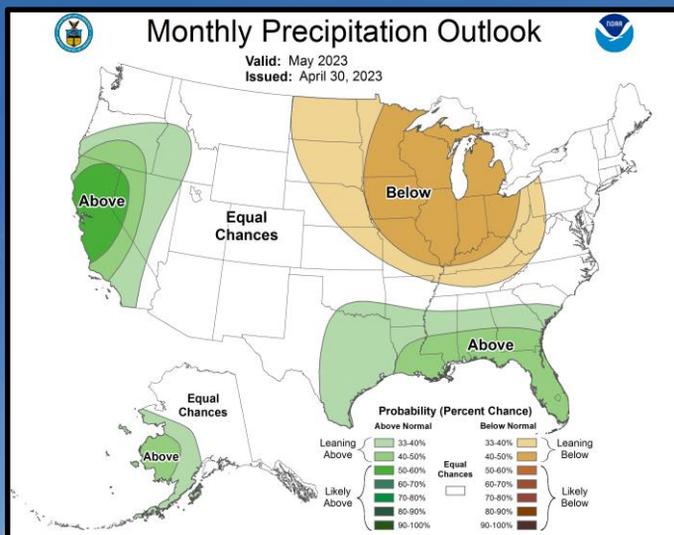
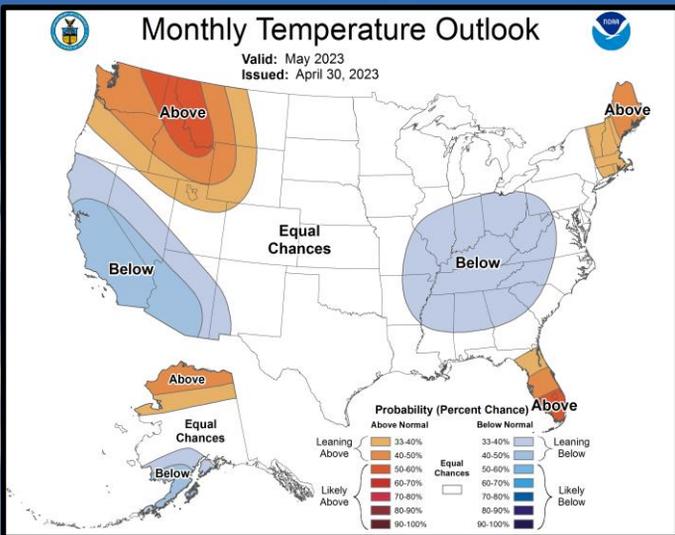
The latest outlook from the Climate Prediction Center calls for an increased likelihood of below normal temperatures and below normal precipitation values across the Ohio Valley.

| Site | Normal Avg Temp (°F) | Normal High (°F) | Normal Low (°F) |
|------------------|----------------------|------------------|-----------------|
| Cincinnati (CVG) | 64.1 | 74.5 | 53.7 |
| Columbus (CMH) | 63.3 | 74.1 | 52.4 |
| Dayton (DAY) | 64.0 | 74.2 | 53.8 |

| Site | Normal Precipitation (in.) | Normal Snowfall (in.) |
|------------------|----------------------------|-----------------------|
| Cincinnati (CVG) | 4.67 | 0.0 |
| Columbus (CMH) | 3.99 | 0.0 |
| Dayton (DAY) | 4.51 | 0.0 |

Upcoming Temperature Outlook

Upcoming Precipitation Outlook

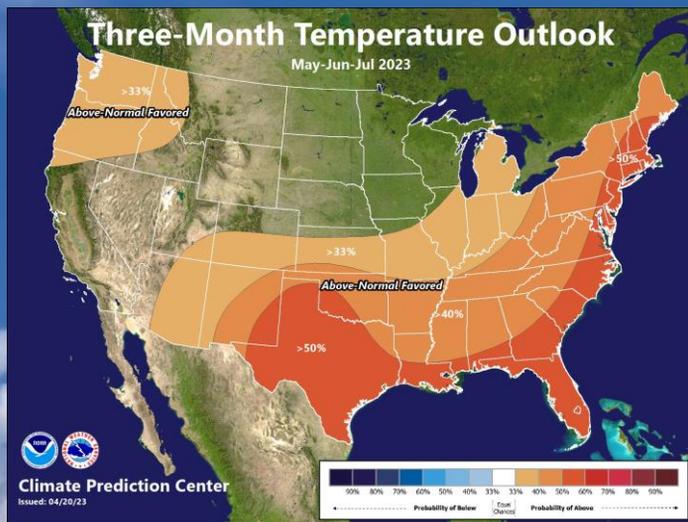


May-July Outlook

An El Niño Watch is in effect. ENSO-neutral conditions are expected to continue through the spring, followed by a 62% chance of El Niño developing during the May-July timeframe.

There is an increased likelihood of both above normal temperatures and above normal precipitation during this time for the Ohio Valley region.

Three-Month (MJJ) Temp. Outlook



Three-Month (MJJ) Precip. Outlook

