



NWS Wilmington, Ohio April 2024 Regional Climate Summary

Regional Climate Summary

April was another active month across the Ohio Valley weather-wise. There were multiple days with confirmed tornadoes, flooding and other severe weather damage reports from large hail and straight-line winds. This was partially attributed to several days of seasonably warm temperatures that interacted with strong wind flow aloft. Averaged across the entire month, temperatures at CMH, CVG and DAY were nearly 3-4 degrees above normal. Additionally, these climate sites also observed above normal precipitation amounts, with Columbus observing an astonishing 5.87" of rain, which is 2" above normal values.

Temperatures

As is typical with Spring in the Ohio Valley, the month of April offered a wide variance in observable temperatures. This included large swings in temperatures that resulted in an active weather pattern, especially in the first half of the month.

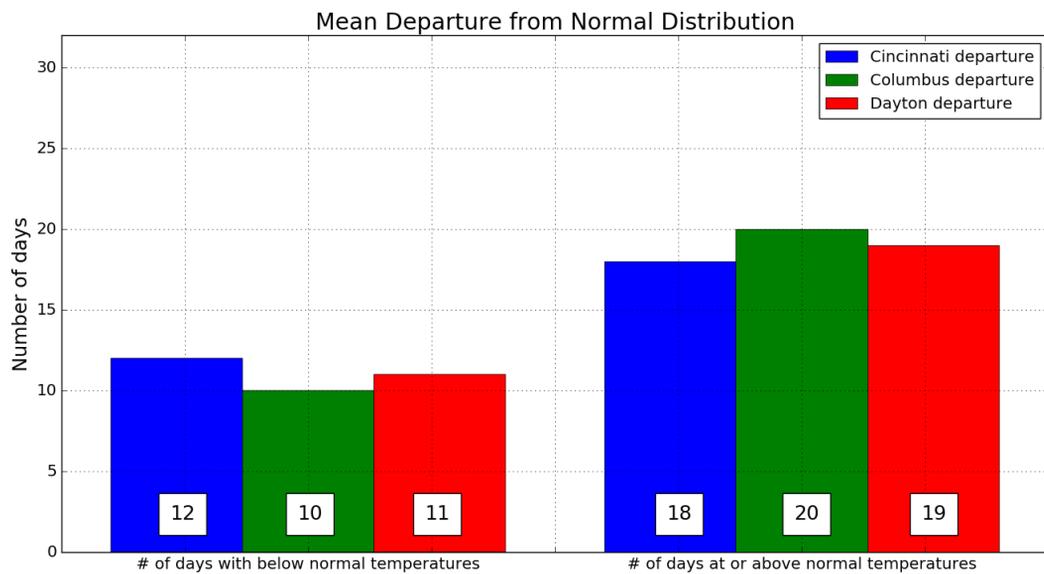
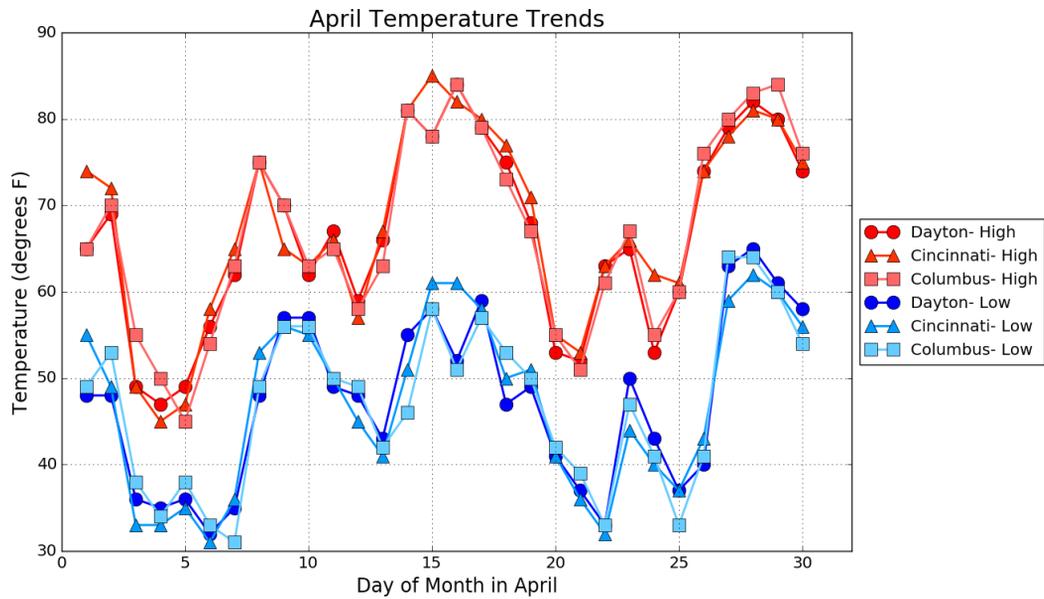
April began with well above normal temperatures, especially at CVG as highs were 10-15 degrees above seasonal normals. These abnormally warm temperatures led to an active weather day on April 2nd as a strong, dynamic system moved through. Behind this system, a sharp drop in temperatures occurred as cooler air from Canada settled in. This resulted in daytime highs in the 40s for most of our counties, with lows near/below freezing.

By the 2nd week of April, temperatures were back to near or slightly above average for most of those days. The warmer air mass allowed for an influx of moisture that resulted in another very active weather day on April 12th. By the middle of the month, temperatures in the 80s were being observed across all 3 of our major climate sites. This didn't last long however as another large dip in temperatures occurred around the 20th, with highs struggling to reach the 50s. After a few days of near normal temperatures, April would primarily end with above normal temperatures once again. All 3 major climate sites ended nearly 3-4 degrees above normal for the entire 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) | 57.4 | 67.6 | 47.1 | +2.8 | 85 on 15 th | 31 on 6 th |
| Columbus (CMH) | 57.0 | 66.9 | 47.0 | +3.8 | 84 on 16 th , 29 th | 31 on 7 th |
| Dayton (DAY) | 56.9 | 66.5 | 47.3 | +3.2 | 84 on 16 th | 32 on 6 th |



Temperatures (Continued)



Precipitation

The bulk of the rainfall during the month of April came within the first half of the month. Thunderstorms offered some variability to overall rainfall amounts this month, but all of our big 3 climate sites observed above normal rainfall.

A wet start to the month led to over an inch of rainfall between the first two days across the big 3 sites. Columbus however received much more rainfall, with over 3 inches of rain accumulating at the airport between the first two days of the month.

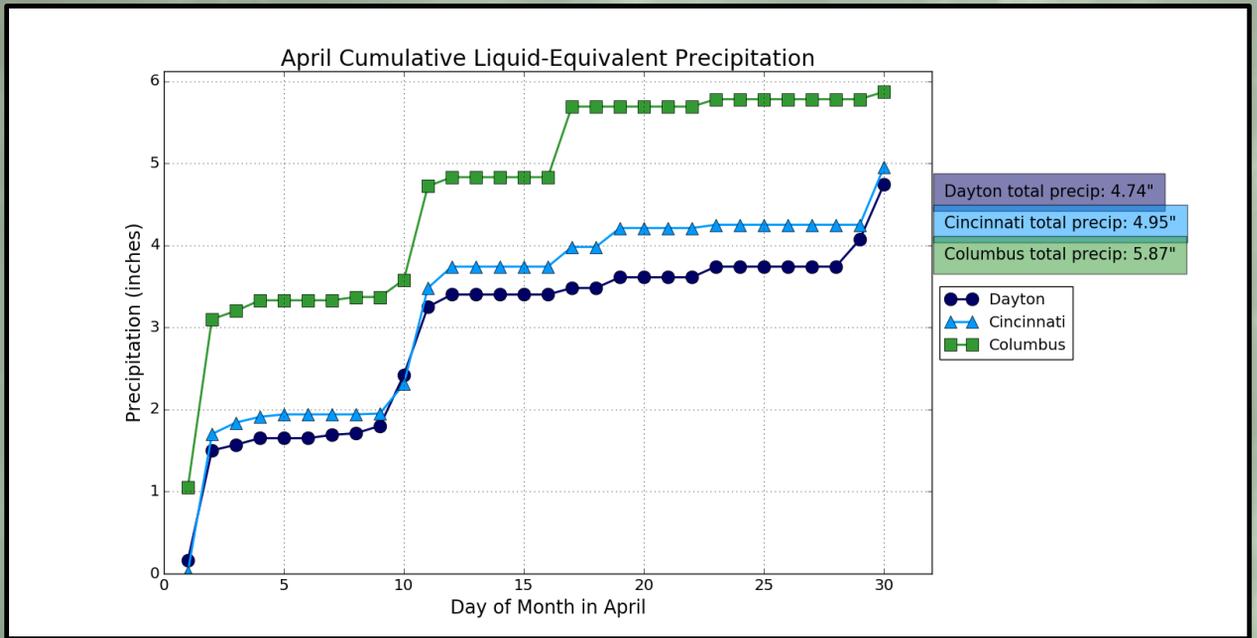
An unsettled weather pattern would lead to measurable precipitation (or at least a trace) for the vast majority of days through the first two weeks of the month. The next large bout of rainfall came on April 11th with a strong low pressure system tracking through the area. This resulted in another day of around an inch of rainfall.

After the first 2 weeks of the month, the rainfall footprint dropped off quite a bit. There were still a few days here or there with a tenth to a quarter of an inch, but in general, precip was much lower the second half of the month. However, another good shot of rainfall came on the final day of the month. Columbus had a remarkably high month in regards to measurable precip. Nearly 6 inches of rainfall was observed at CMH, which is about 2.5 inches above climatological normals. Higher than normal rainfall was also observed at CVG and DAY, but only slightly above normal.

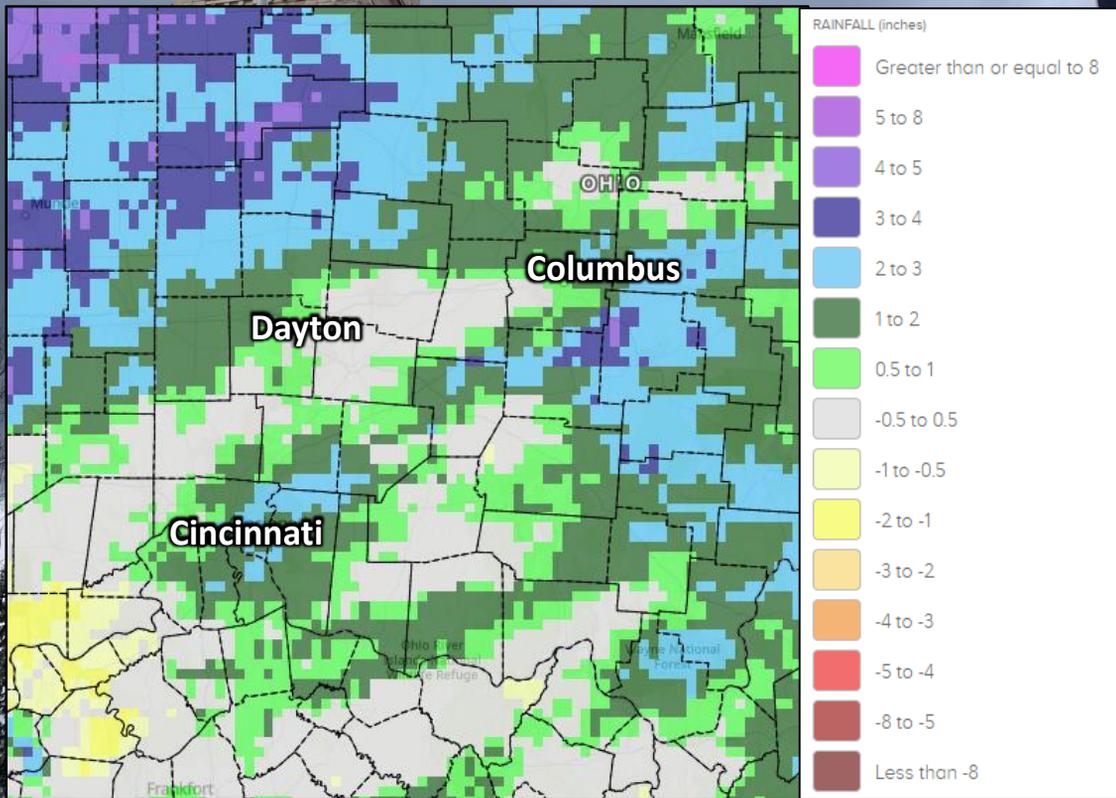
| Site | Total Precipitation (in.) | Departure From Normal (in.) | Max Daily Precipitation (in./date) | Total Snowfall (in.) |
|------------------|---------------------------|-----------------------------|---|----------------------|
| Cincinnati (CVG) | 4.95 | +0.42 | 1.68 1 st -2 nd | T |
| Columbus (CMH) | 5.87 | +2.02 | 2.06 1 st -2 nd | T |
| Dayton (DAY) | 4.74 | +0.28 | 1.46 1 st -2 nd | T |



Precipitation (Continued)



Departure from Normal (in.)



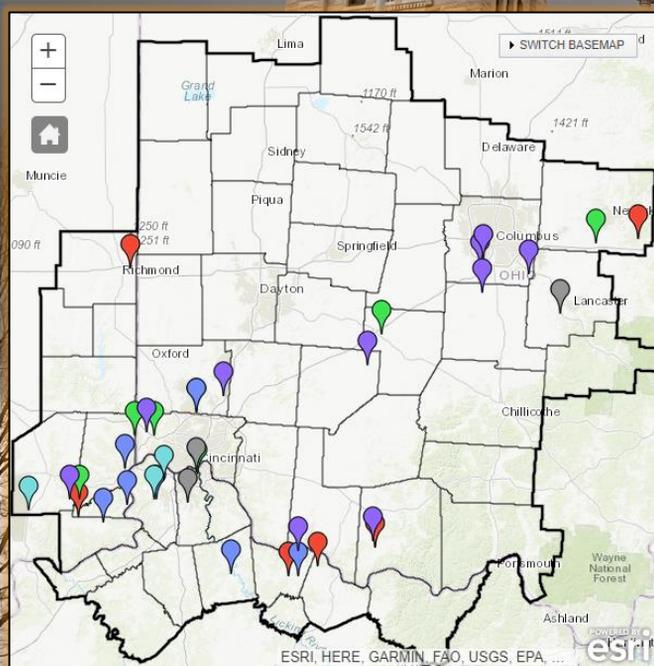
Severe Weather

On April 2nd tornadoes, hail, damaging thunderstorm winds, and flooding occurred. The six tornadoes included an EF1 in Mason County Kentucky, an EF1 in Adams County Ohio, an EF1 in Ohio County Indiana, an EF0 in Licking County Ohio, an EF0 in Wayne County Indiana, and an EF0 in Bracken County Kentucky.

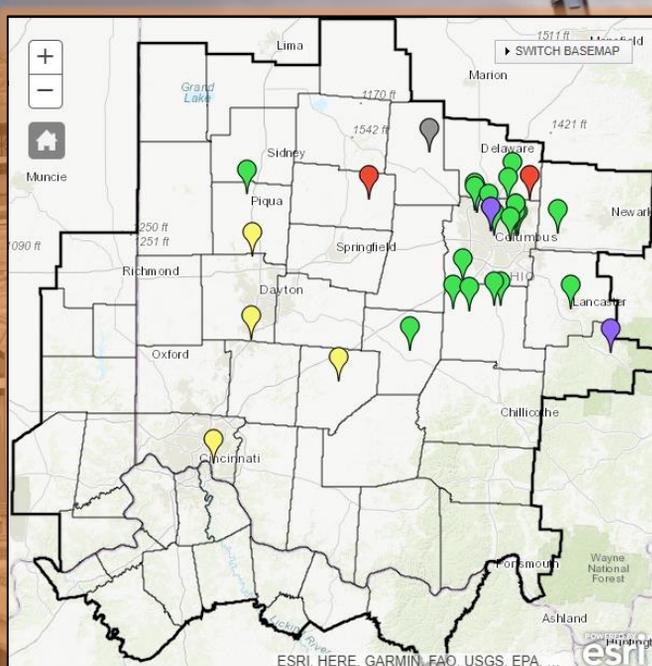
An isolated severe storm on April 12th produced an EF1 tornado in Mason County Kentucky.

Severe thunderstorms moved into the region during the mid afternoon hours of Wednesday, April 17th, 2024. The storms intensified across central Ohio through late afternoon and early evening, producing damaging wind and large hail, along with an EF0 and EF1 Tornado.

April 2nd



April 17th



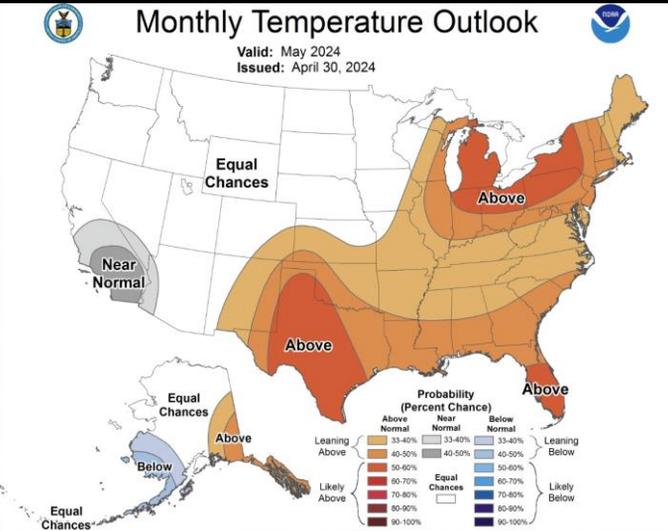
May Outlook

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

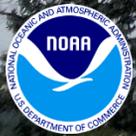
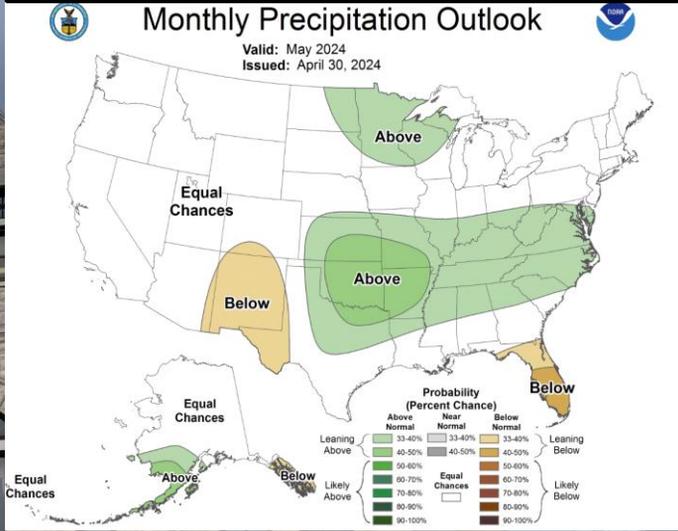
| Site | Normal Avg Temp (°F) | Normal High (°F) | Normal Low (°F) |
|------------------|----------------------|------------------|-----------------|
| Cincinnati (CVG) | 64.1 | 74.5 | 53.7 |
| Columbus (CMH) | 63.3 | 74.1 | 52.4 |
| Dayton (DAY) | 64.0 | 74.2 | 53.8 |

| 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



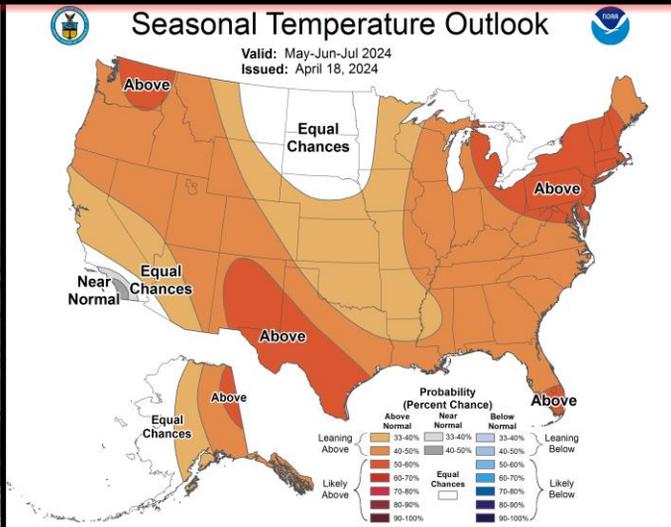
Upcoming Precipitation Outlook



May-July Outlook

There is an increased likelihood of above normal temperatures and precipitation during the May to July timeframe. According to the Climate Prediction Center, there is an 85% chance of a transition from El Niño to ENSO-neutral conditions by June 2024. The odds of La Niña developing by June-August 2024 is likely at 60%.

Three-Month (MJJ) Temp. Outlook



Three-Month (MJJ) Precip. Outlook

