



NWS Wilmington, Ohio March 2024 Regional Climate Summary

Regional Climate Summary

While most of the month was quiet in terms of severe weather, March 14th produced several supercells that led to many devastating tornadoes across the area. Temperatures ended up above normal for the month. Precipitation varied across the region from above normal in many locations near and north of I-70 to below normal in some areas near the Ohio River.

Temperatures

The weather pattern through the first third of the month was one characterized by numerous days with above normal temperatures. In fact, it wasn't until the 10th of the month until some spots had the first day in March with below normal temperatures. Even this, however, was brief as temperatures quickly warmed within a few days back above normal, with several days with highs in the 60s and overnight lows in the 40s and 50s.

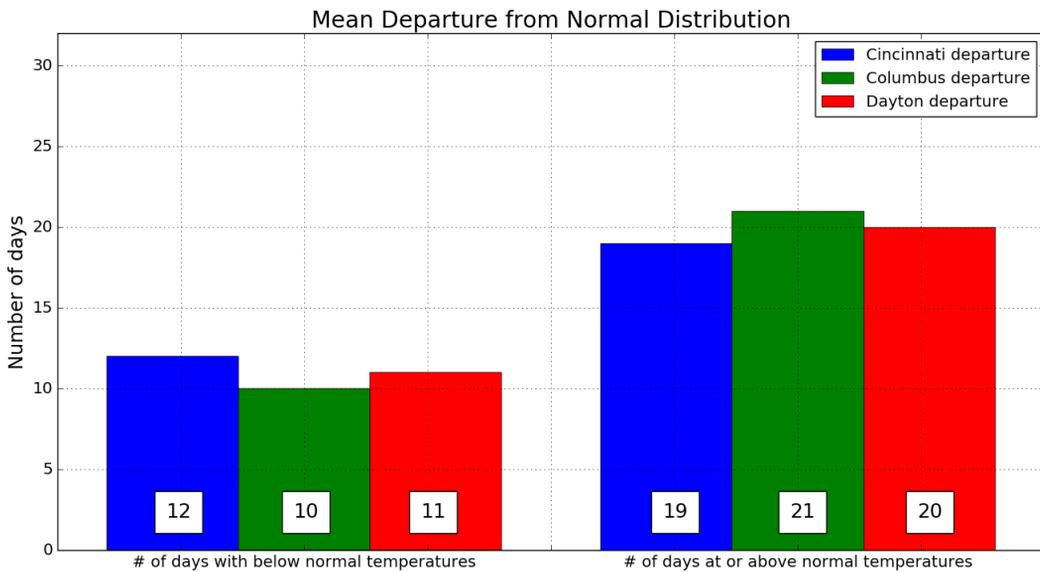
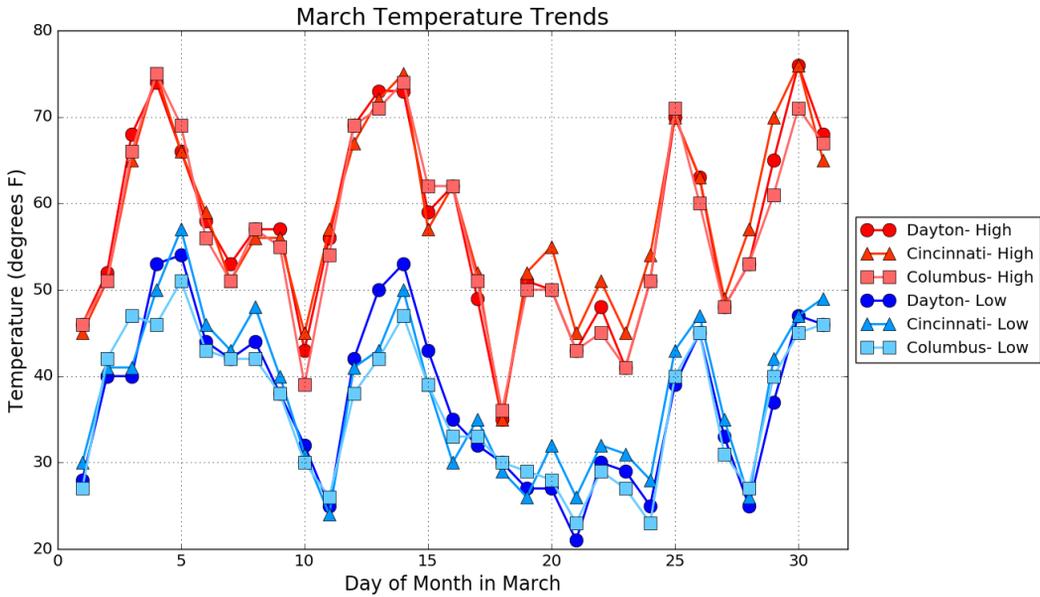
Some of the warmest temperatures of the month occurred on the 13th and 14th with high temperatures in the 70s. After a strong system moved through on the 14th temperatures started to decrease, however were still above normal.

Below normal temperatures started to move into the region by the 17th and 18th and remained in place until March 25th when temperatures soared into the upper 60s to lower 70s. There was another large swing in temperatures before we ended the month with temperatures well above normal in the 60s and 70s.

Site	Avg Temp (°F)	Avg High Temp (°F)	Avg Low Temp (°F)	Departure From Normal (°F)	Maximum Temperature (°F)	Minimum Temperature (°F)
Cincinnati (CVG)	48.1°F	58.0°F	38.1°F	+4.5°F	76°F on 30 th	24°F on 11 th
Columbus (CMH)	46.5°F	56.6°F	36.4°F	+4.9°F	75°F on 4 th	23°F on 21 st and 24 th
Dayton (DAY)	47.3°F	57.3°F	37.3°F	+5.2°F	76°F on 30 th	21°F on 21 st



Temperatures (Continued)



Precipitation

Although the month started off on a bit of a wet note, with several days of widespread rain within the first week or so, it wasn't until the 8th-9th when heavier rain led to some rises on area waterways. An axis of 1.5"-2" of rain fell from southeast Indiana through east-central Indiana, with generally 0.5" of rain near and east of the I-71 corridor. This heavy rain was soon followed by flurries and snow showers a day later, with only minor accumulations in a few spots.

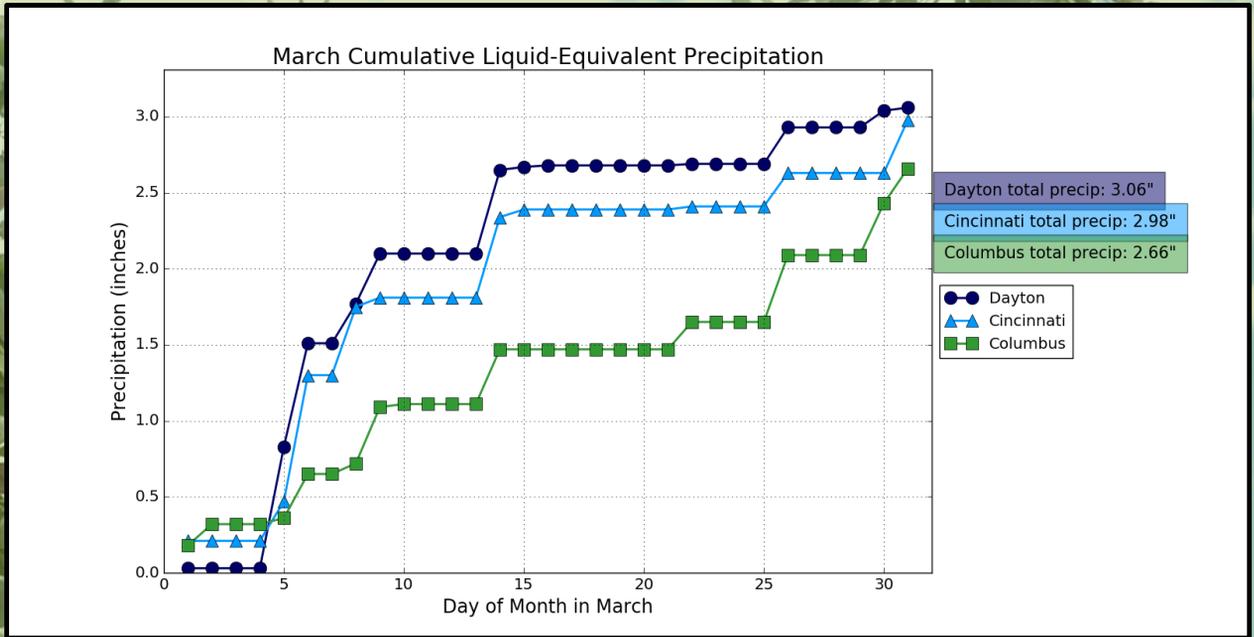
Several dry days then followed before precipitation returned near the middle of the month. Severe weather developed on March 14th with damaging winds, large hail, and several tornadoes.

After the middle of the month system, there was a lack of widespread rainfall for several days. The 22nd had pretty widespread rainfall, however amounts were not overly heavy. Widespread rain also occurred during the morning of the 26th with a broken line of thunderstorms moving in during the evening hours. The month finished with several days of precipitation. Severe weather also occurred on the 30th with large hail in central Ohio.

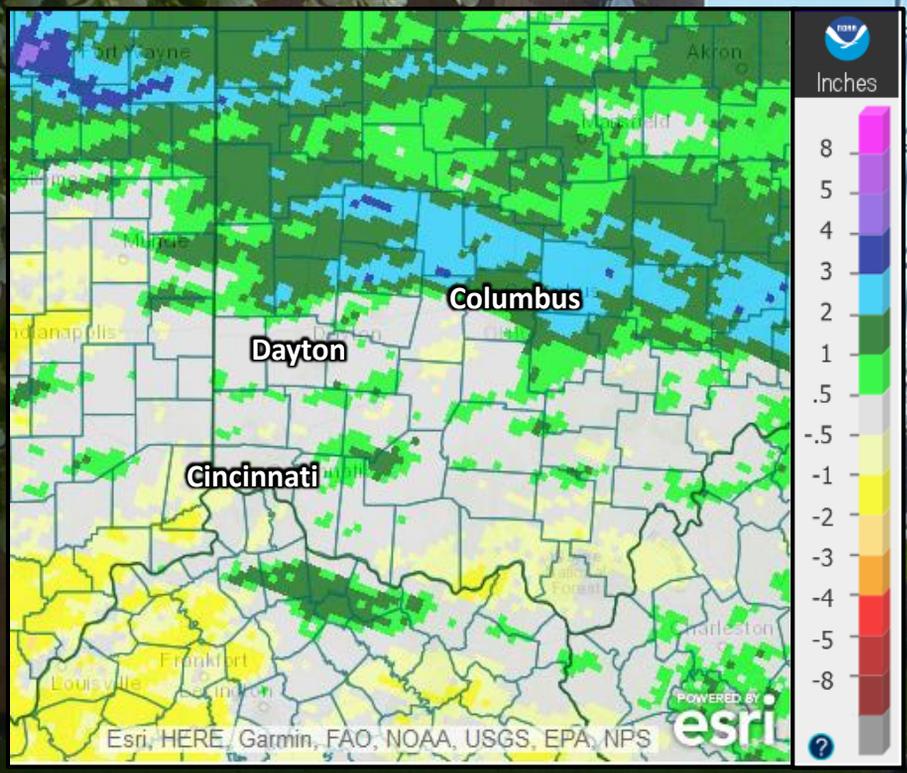
Site	Total Precipitation (in.)	Departure From Normal (in.)	Max Daily Precipitation (in./date)		Total Snowfall (in.)	Max Daily Snowfall (in./date)	
Cincinnati (CVG)	2.98 in.	-1.18 in.	0.53 in.	14 th	T	T	1 st , 18 th
Columbus (CMH)	2.66 in.	-0.96 in.	0.37 in.	9 th	0.2 in.	0.2 in.	10 th
Dayton (DAY)	3.06 in.	-0.44 in.	0.80 in.	5 th	T	T	10 th , 17 th , 18 th



Precipitation (Continued)



March Precipitation Departure From Normal (In.)



Severe Weather

During the afternoon of March 14, a supercell thunderstorm developed over southern Indiana, producing a tornado as it crossed the Ohio River multiple times heading into Kentucky. During the evening of March 14, multiple supercell thunderstorms developed over Indiana, producing numerous tornadoes across western and central Ohio. In addition, large hail and straight line thunderstorm wind damage also occurred. Later in the month on March 30th large hail occurred in central Ohio.

Confirmed Tornadoes:

- **EF2** -- [Carroll County KY and Switzerland County IN](#)
(this tornado also affected Jefferson County IN and Trimble County KY)
- **EF1** -- [Western Mercer County OH](#)
(this tornado also affected Adams County IN)
- **EF1** -- [Mercer County OH and Auglaize County OH](#)
- **EF3** -- [Auglaize County OH and Logan County OH](#)
- **EF2** -- [Union County OH and Delaware County OH](#)
- **EF1** -- [Delaware County OH and Licking County OH](#)
- **EF2** -- [Darke County OH and Miami County OH](#)
(this tornado also affected Delaware County IN and Randolph County IN)



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 |

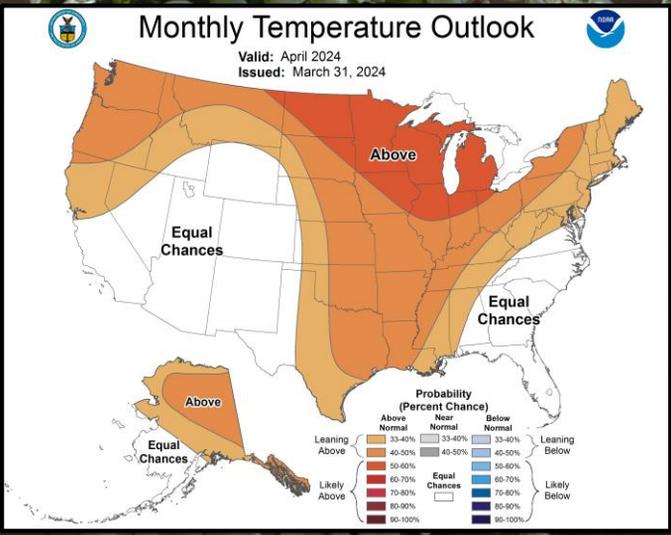
April Outlook

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

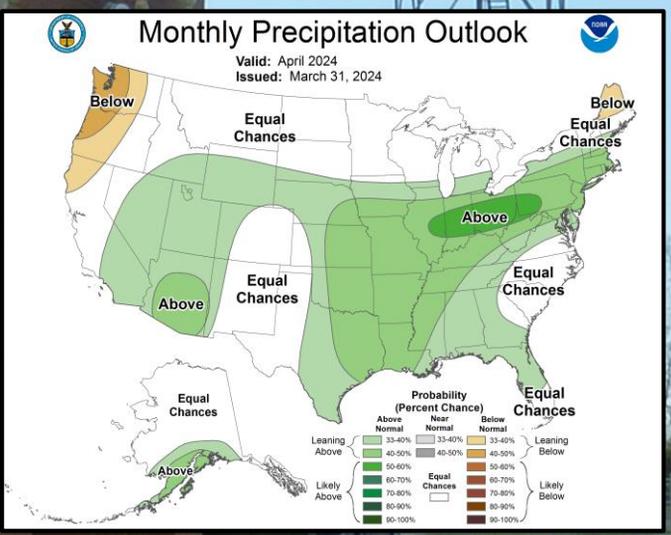
Site	Normal Avg Temp (°F)	Normal High (°F)	Normal Low (°F)
Cincinnati (CVG)	54.6°F	65.5°F	43.7°F
Columbus (CMH)	53.2°F	64.1°F	42.2°F
Dayton (DAY)	53.7°F	64.5°F	42.9°F

Site	Normal Precipitation (in.)	Normal Snowfall (in.)
Cincinnati (CVG)	4.53"	0.4"
Columbus (CMH)	3.85"	0.5"
Dayton (DAY)	4.46"	0.4"

Upcoming Temperature Outlook



Upcoming Precipitation Outlook

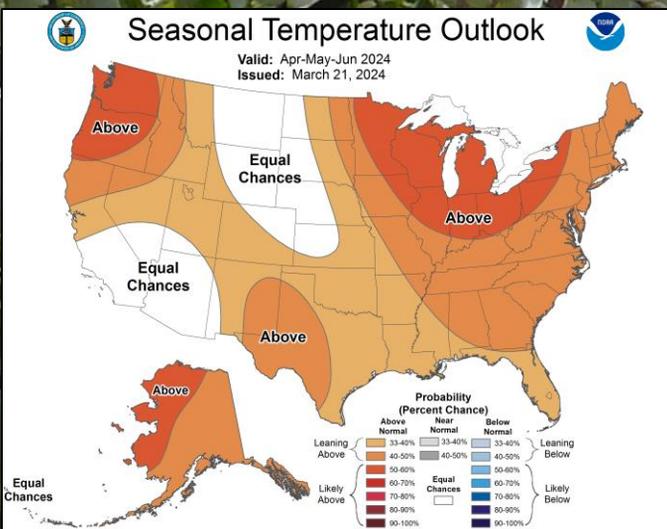


Late Spring / Early Summer Outlook

A transition from El Niño to ENSO-neutral is likely by April-June 2024 (83% chance) with the odds of La Niña developing by June-August 2024 at 62%.

The April to June outlook calls for an increased likelihood of above normal temperatures across the entire region. There is an increased likelihood of above normal precipitation across southern Indiana, southern Ohio, and all of Kentucky.

Three-Month (AMJ) Temp. Outlook



Three-Month (AMJ) Precip. Outlook

