

NWS Wilmington, Ohio March 2021 Regional Climate Summary

Regional Climate Summary

March came in more like a lamb than a lion as precipitation was difficult to find within the first 10 day or so of the month. It was a wetter final 2/3 of the month, but many spots still finished with slightly below normal precipitation for March as a whole. Temperatures, on the other hands, were generally warmer-than-normal, with monthly average temperatures generally about 5 degrees above normals.

Temperatures

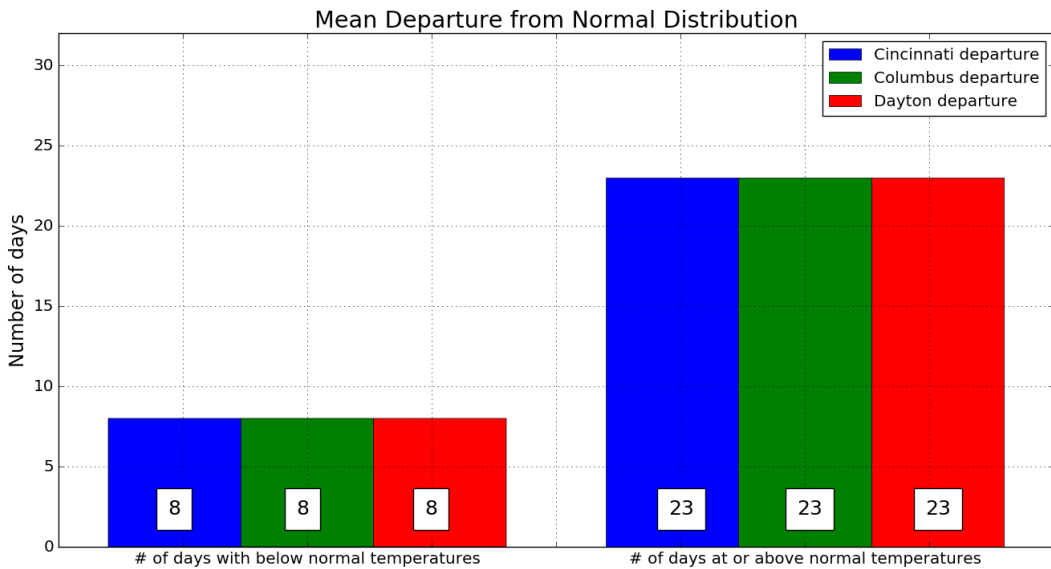
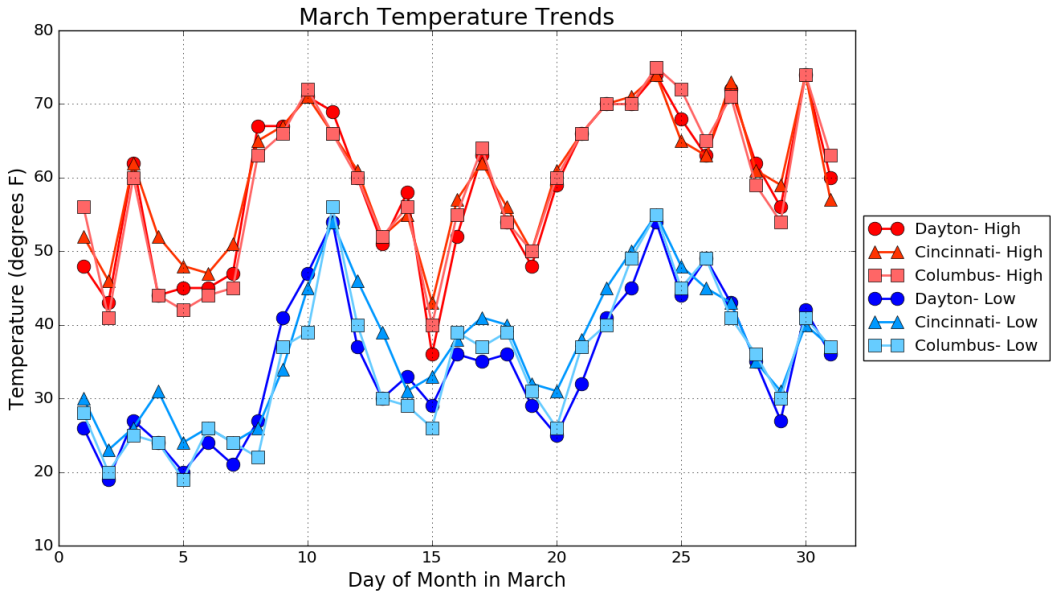
Although February ended like a lion, the weather pattern for the beginning of March came in more like a lamb. Near normal temperatures were the norm for the first week or so of the month before a rather significant warmup evolved toward the 10th. High temperatures reached into the 60s and even lower 70s for several days before cooler, more seasonable air filtered back in toward the middle of the month. From there, the temperatures fluctuated between below and above normal for the next week. Columbus, Dayton, and Cincinnati all reached 70 degrees on the 22nd, with above normal temperatures continuing until the 28th when a cold front brought much cooler air back into the region. A brief warmup on the 30th was followed by a sharp return to much colder conditions for the final day of the month into the 1st of April.

Overall, temperatures were generally warmer-than-normal for the month as a whole. In fact, much of the area saw 6-7 days with temperatures reaching at least 70°F, the most in the month of March since 2012.

Site	Avg Temp (°F)	Avg High Temp (°F)	Avg Low Temp (°F)	Departure From Normal (°F)	Maximum Temperature (°F)	Minimum Temperature (°F)
Cincinnati (CVG)	48.8°F	59.9°F	36.8°F	+4.8°F	74°F on 24 th and 30 th	23°F on 2 nd
Columbus (CMH)	46.9°F	59.0°F	34.7°F	+5.0°F	75°F on 24 th	19°F on 5 th
Dayton (DAY)	46.6°F	58.8°F	34.5°F	+6.2°F	74°F on 24 th and 30 th	19 th on 2 nd



Temperatures (Continued)



Precipitation

Although the month of February ended with some heavy precipitation and flooding that lingered into March, the first part of March was historically dry across the region. For example, there was not measurable rain at Cincinnati (KCVG) through the first 10 days of the month, the driest start to March at the site since March of 1968. That trend ended, however, with widespread rain which impacted the region on the 11th into the 12th. Another system brought additional widespread precipitation on the 15th. Off and on precipitation occurred each day then through the 18th. After the 18th however, dry conditions were evolved for several days until another system arrived on the 25th and again from the 27th into the 28th when a very narrow corridor of thunderstorms produced rainfall amounts of 1-1.5" near the I-71 and I-70 corridors.

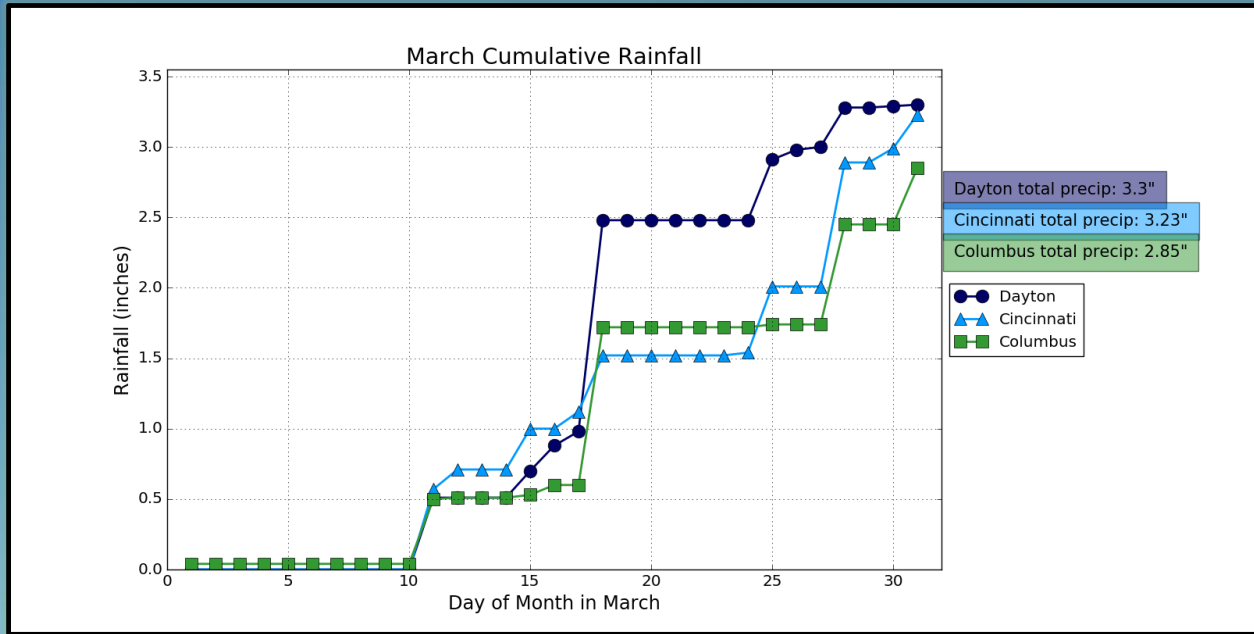
Past the 28th, a few more dry days evolved before more rain moved in for the final day of the month, bringing with it much cooler temperatures for the start of April.

Of particular note in the month of March was the historic lack of snow. Both Cincinnati (KCVG) and Dayton (KDAY) only received a trace of snowfall for the entire month while Columbus (KCMH) didn't receive any at all! The trace of snow at Cincinnati and Dayton was the least amount of snow at each respective site in the month of March since 2009. The trace was tied for the 3rd least snowy March on record for both sites. Meanwhile, Columbus (KCMH) had never recorded a March without at least a trace of snow.

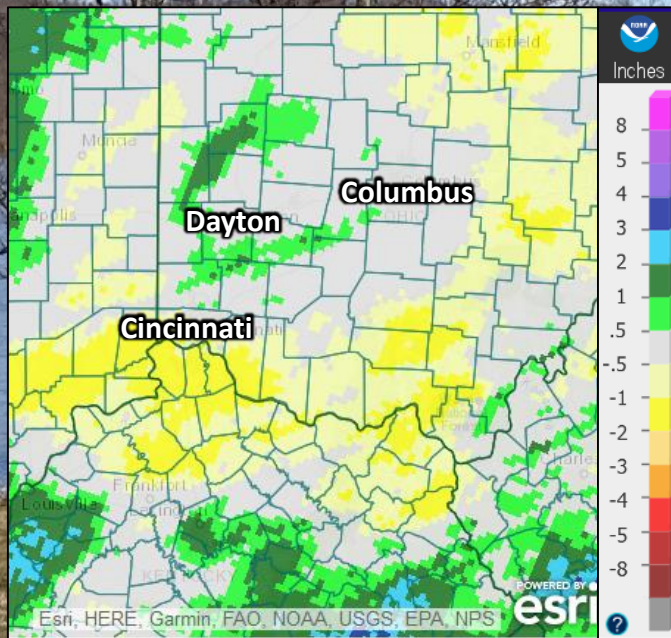
Site	Total Precipitation (in.)	Departure From Normal (in.)	Max Daily Precipitation (in./date)		Total Snowfall (in.)	Max Daily Snowfall (in./date)	
Cincinnati (CVG)	3.23 in.	-0.73 in.	0.88 in.	28 th	Trace	Trace	03/15
Columbus (CMH)	2.85 in.	-0.17 in.	1.22 in.	18 th	0.0"	--	--
Dayton (DAY)	3.30 in.	-0.04 in.	1.50 in.	18 th	Trace	Trace	03/15



Precipitation (Continued)

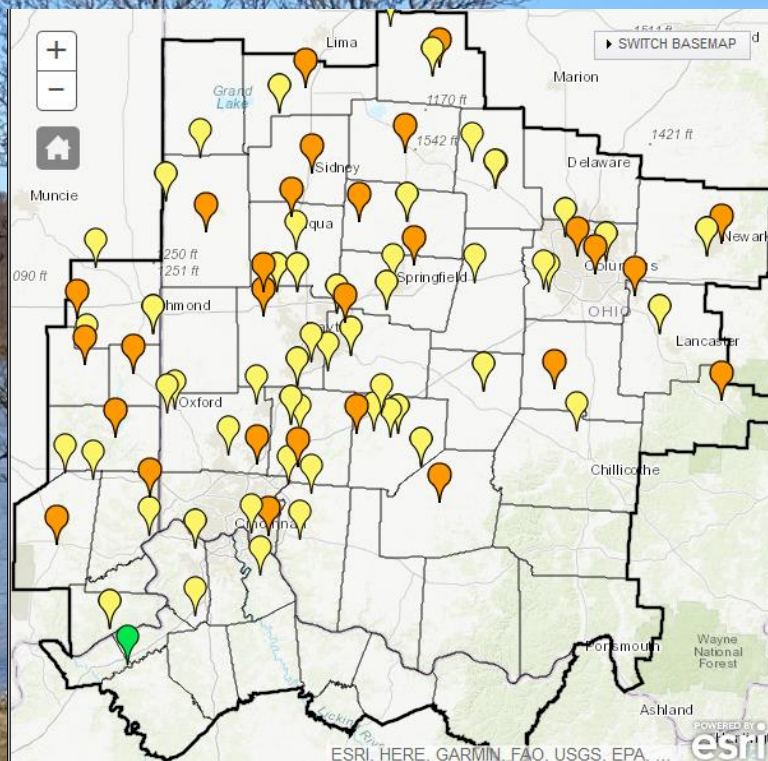


March Precipitation Departure From Normal (In.)



Severe Weather & High Winds: March 25, 2021

Late in the evening on the 25th into the 26th, a strong low pressure system moved into the Ohio Valley and strengthened rapidly. As a result, a few strong to severe storms moved through the region, producing a few reports of some hail. The bigger story was the strong winds that followed the cold front passage, with winds gusting between 50-60 MPH for many spots near/north of the Ohio River during the predawn hours. This resulted in numerous reports of downed trees and powerlines, with up to 150,000 customers without power across the state of Ohio at one point during the morning.



Non-Thunderstorm Wind Gust Non-Thunderstorm Wind Damage



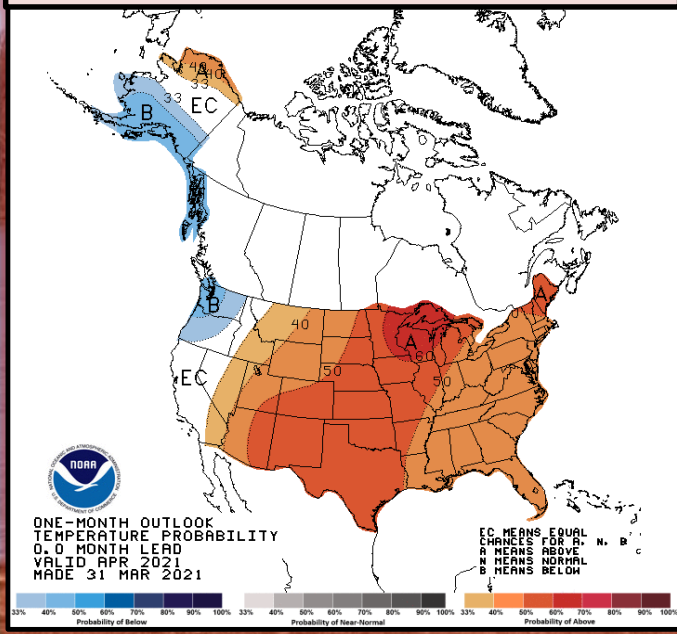
April Outlook

The latest outlook from the Climate Prediction Center (CPC) calls for an increased likelihood of above normal temperatures for April. There are equal chances of below normal, normal, and above normal precipitation.

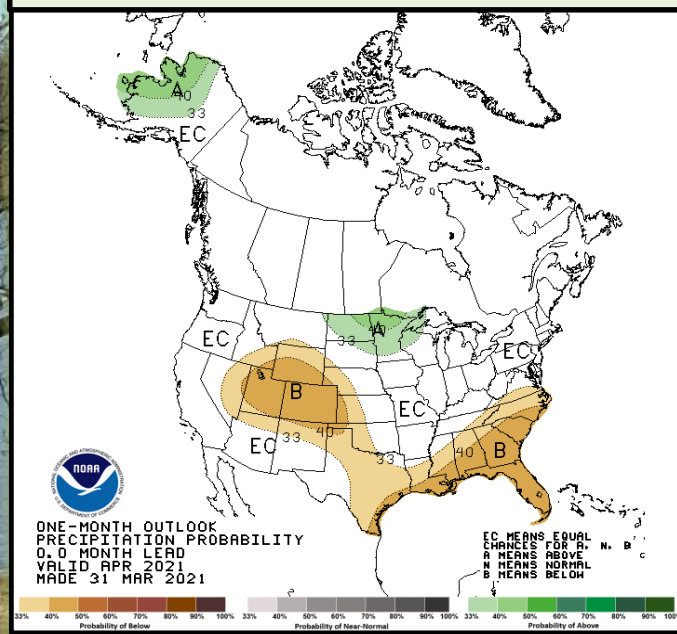
Site	Normal Avg Temp (°F)	Normal High (°F)	Normal Low (°F)
Cincinnati (CVG)	54.2°F	64.7°F	43.7°F
Columbus (CMH)	53.1°F	63.5°F	42.6°F
Dayton (DAY)	51.6°F	61.9°F	41.4°F

Site	Normal Precipitation (in.)	Normal Snowfall (in.)
Cincinnati (CVG)	3.89"	0.5"
Columbus (CMH)	3.40"	1.1"
Dayton (DAY)	4.09"	0.6"

Upcoming Temperature Outlook



Upcoming Precipitation Outlook

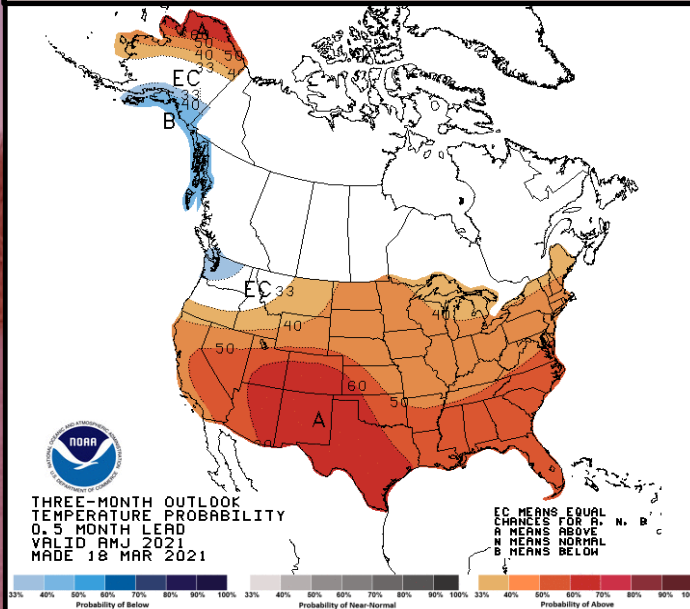


April-June Outlook

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

There is a 60% chance of a transition from La Niña to ENSO-Neutral conditions during the April-June timeframe.

Three-Month (AMJ) Temp. Outlook



Three-Month (AMJ) Precip. Outlook

