NWS Wilmington, Ohio
April 2022
Regional Climate Summary

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Episodes of winter-like conditions were felt throughout the first several weeks of April, offering multiple days of mixed precipitation, including record setting snowfall at Dayton. Additionally, temperatures trended below climatology across all of our major sites by nearly three degrees. Precipitation trended on the lower side too, with every major climate site observing below 0.5" of liquid equivalent precipitation during the month. This limited flooding potential, but we still had multiple rounds of severe weather to round out the month.

Temperatures

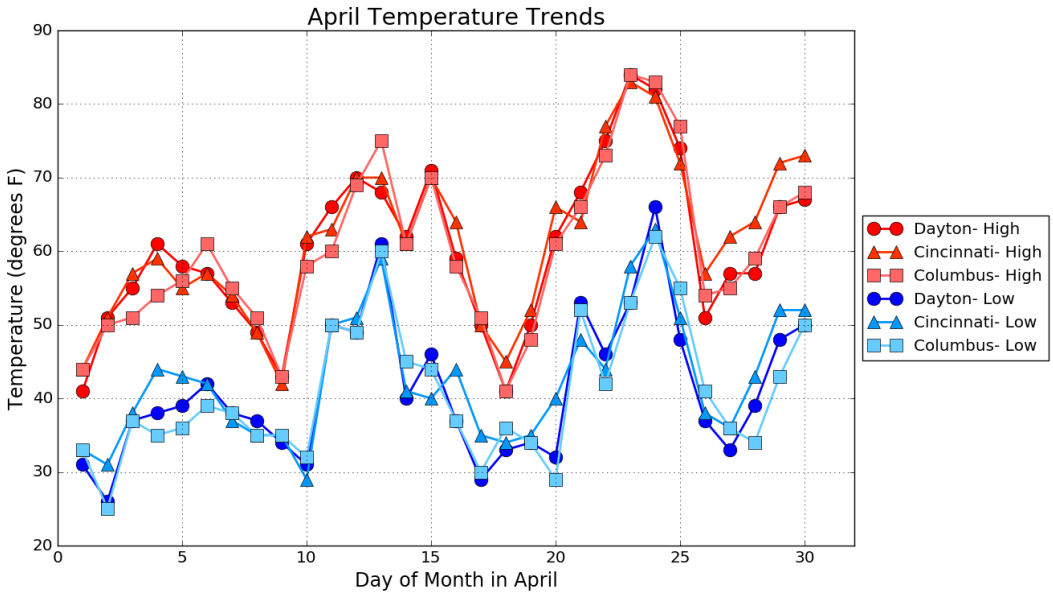
Temperatures started out in April on a cold note with values around 10 degrees below normal. The cold trend continued for the first 10 days of the month with almost every day below normal. The 11th started a brief warming trend with temperatures, eventually leading to some 70+ degree temperatures for the 12th and 13th. There was a slight cool down on the 14th before temperatures climbed on the 15th in advance of a frontal boundary. After this boundary pushed through, cooler temperatures were in place for the 16th.

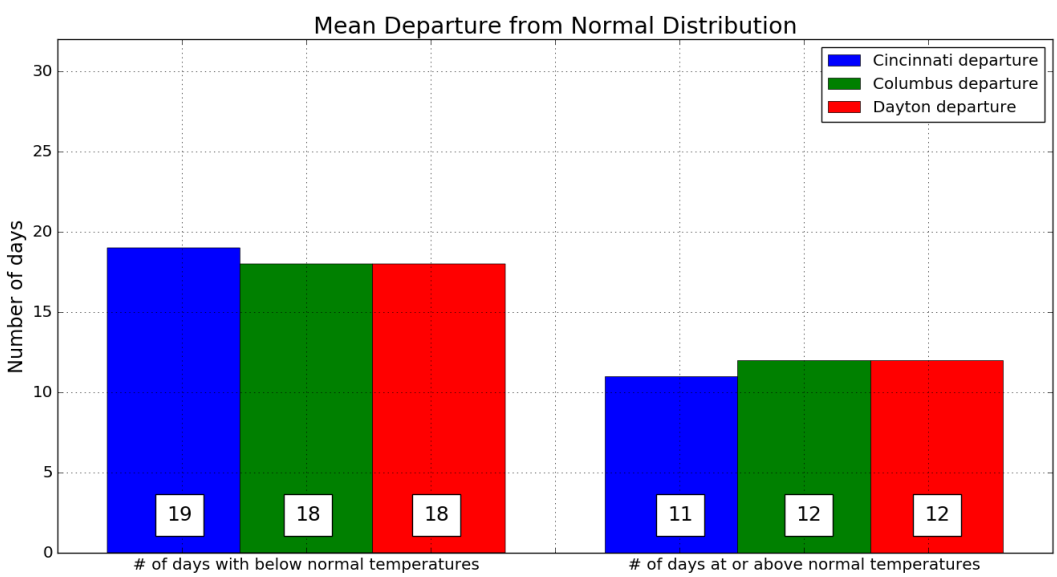
Cooler air and below normal temperatures persisted through the 20th. A warming trend began on the 20th with temperatures in the 80s for the 23rd and 24th. A system on the 25th brought a return of some cooler conditions. The 26th and 27th had average temperatures around 10 to 15 degrees below normal, but this was quickly followed by temperatures rebounding back to above normal values to end the month.

No temperature records were reached during the month of April.

Site	Avg Temp (°F)	Avg High Temp (°F)	Avg Low Temp (°F)	Departure From Normal (°F)	Maximum Temperature (°F)	Minimum Temperature (°F)
Cincinnati (CVG)	52.1	61.5	42.7	-2.5	83 on 23rd	29 on 10th
Columbus (CMH)	50.5	60.1	40.9	-2.7	84 on 23rd	25 on 2nd
Dayton (DAY)	50.8	60.3	41.2	-2.9	84 on 23rd	26 on 2nd

Temperatures (Continued)





Precipitation

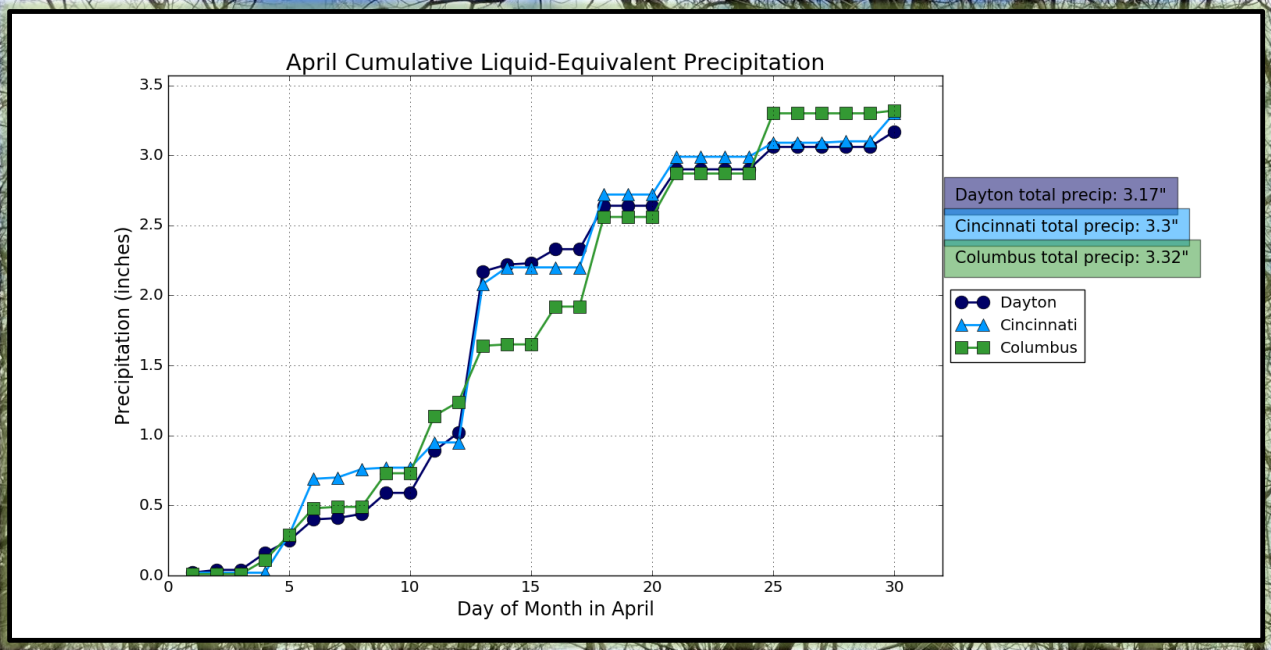
With the first half of the month generally seeing below normal temperatures and cold air aloft, there were several days where either graupel, small hail, or light snowfall occurred. On April 13th as showers and thunderstorms moved through the region, a record daily maximum rainfall was set at Dayton, Ohio. The record value of 1.15 inches broke the old record of 1.07 set in 1991. Over an inch of rain also occurred at Cincinnati, while Columbus received less than a half inch on April 13th.

While precipitation was generally in the form of rain for the second half the month, some colder air intruded and offered snowfall on the 18th and 19th. In fact, one to over two inches of snow fell across east central Indiana into west central Ohio. A record snowfall of 2.3 inches was set at Dayton on April 18th. This broke the old record of 2.2 inches set in 1953.

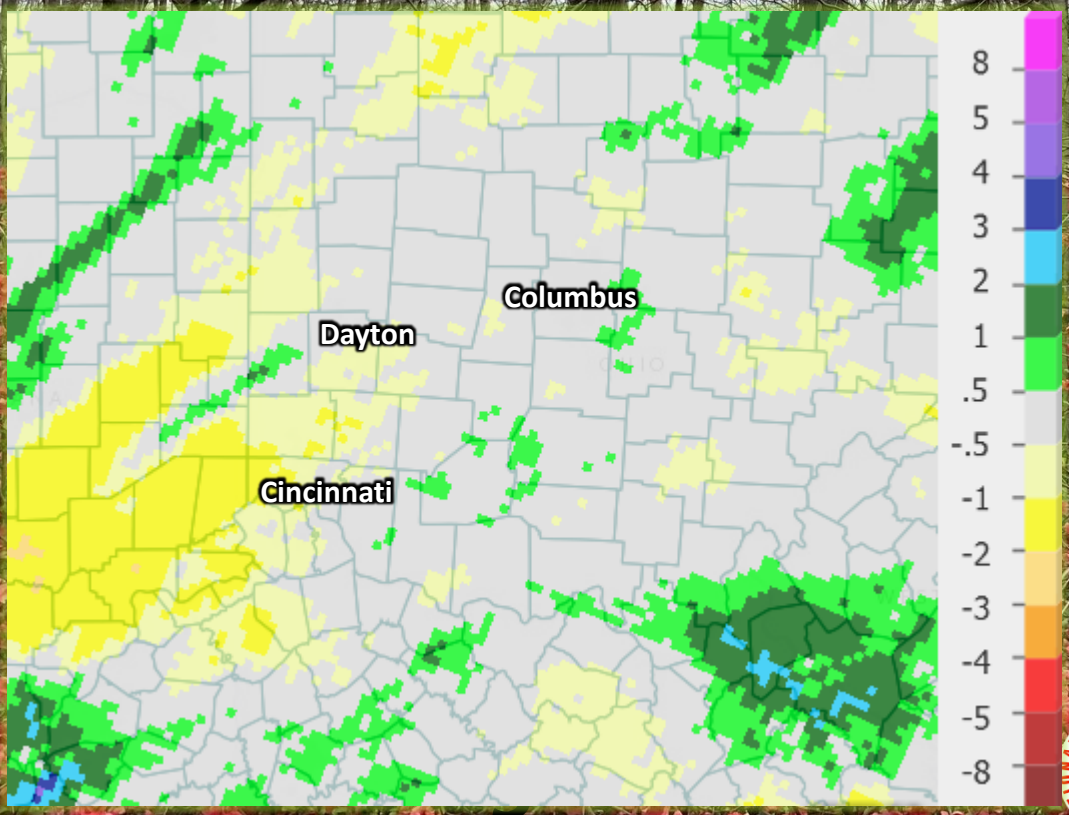
Several days had precipitation recorded in the 2nd half of the month, however, precipitation remained well below normal across our major climate sites.

Site	Total Precipitation (in.)	Departure From Normal (in.)	Max Daily Precipitation (in./date)		Total Snowfall (in.)	Max Daily Snowfall (in./date)	
Cincinnati (CVG)	3.30	-1.23	1.13	13th	T	T	1st, 9th, 18th
Columbus (CMH)	3.32	-0.53	0.64	18th	0.1	0.1	1st
Dayton (DAY)	3.17	-1.29	1.15	13th	2.8	2.3	18th

Precipitation (Continued)



April Precipitation Departure From Normal (In.)



Severe Weather

Severe storms moved across southeast Indiana, northern Kentucky, and southern Ohio during the evening hours of April 13th. Damaging straight-line winds occurred with these storms as they moved through the region.

On the 25th of the month, isolated strong to severe damaging winds occurred, including a 64 mph wind gust in Shelby County.

April 13th

LOCAL STORM REPORTS:

- Tornado
- Hail
- Thunderstorm Wind Gust
- Thunderstorm Wind Damage
- Flood
- Flash Flood
- Non-Thunderstorm Wind Gust
- Non-Thunderstorm Wind Damage

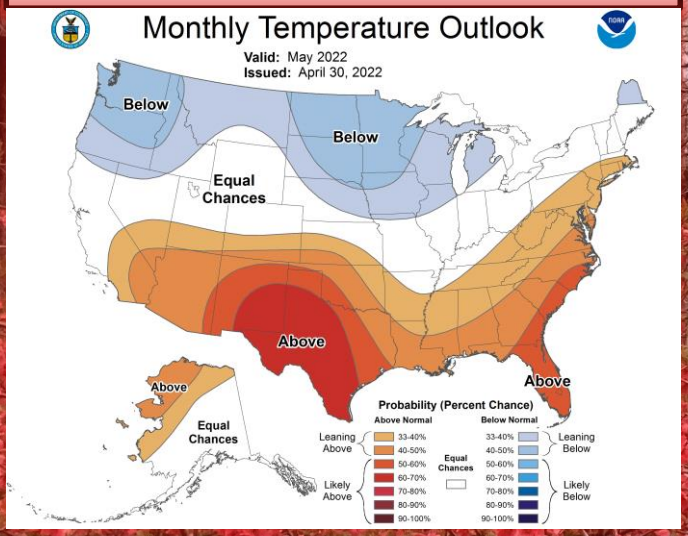
May Outlook

The latest outlook from the Climate Prediction Center keeps us having equal chances for above normal, normal, or below normal temperatures and precipitation for the month of May.

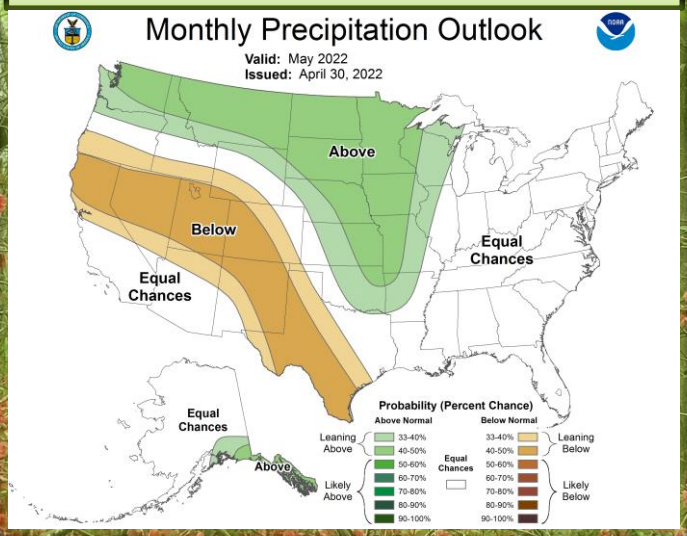
Site	Normal Avg Temp (°F)	Normal High (°F)	Normal Low (°F)
Cincinnati (CVG)	64.1	74.5	53.7
Columbus (CMH)	63.3	74.1	52.4
Dayton (DAY)	64.0	74.2	53.8

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

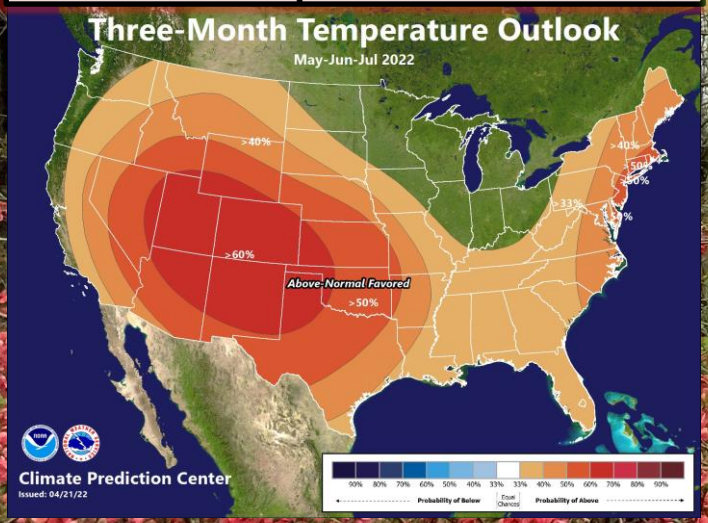
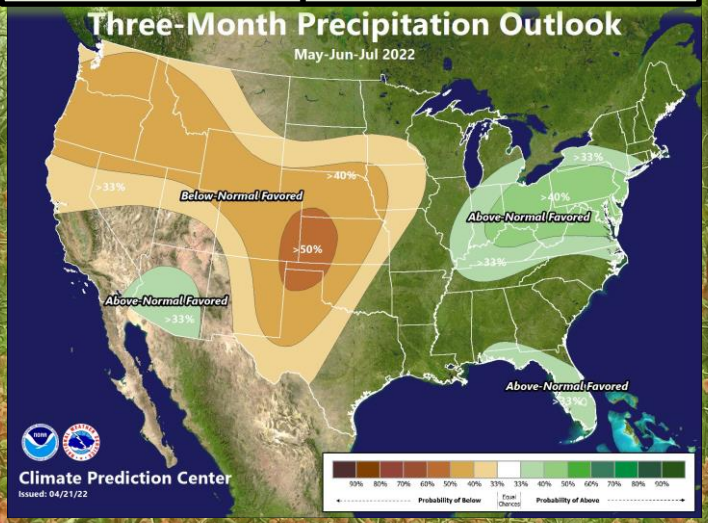


May to July Outlook

La Niña continues across the Northern Hemisphere and is expected to persist into the summer (59% chance from June-August). Afterwards, there is a 50-55% chance of La Niña continuing into the fall.

The three month outlook from the Climate Prediction Center (CPC) between May and July favors above normal precipitation chances. There are equal chances of below normal, normal, and above normal temperatures across most of the region.

Three-Month (MJJ) Temp. Outlook



Three-Month (MJJ) Precip. Outlook