



# NWS Wilmington, Ohio July 2021 Regional Climate Summary

## Regional Climate Summary

*Several minor fluctuations in temperatures occurred during the month, but overall average temperatures ended up near seasonal normals. Above normal precipitation occurred across most of the region during July. There were multiple days of severe weather, including on the 16<sup>th</sup> and the 29<sup>th</sup>, in which there was the most widespread significant weather. In addition, for multiple days during the month hazy conditions were present due to the wildfires out west and in Canada.*

# Temperatures

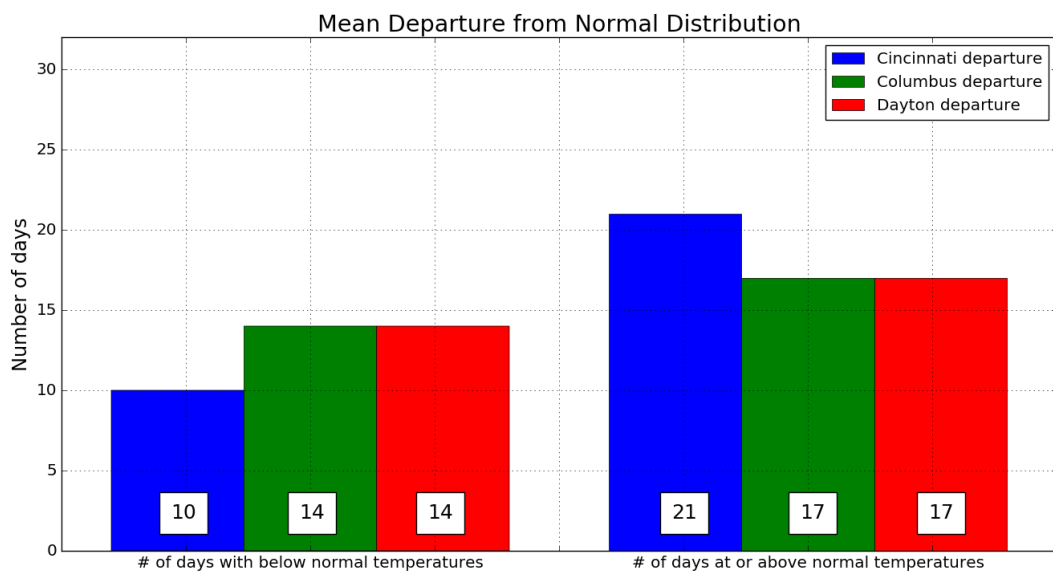
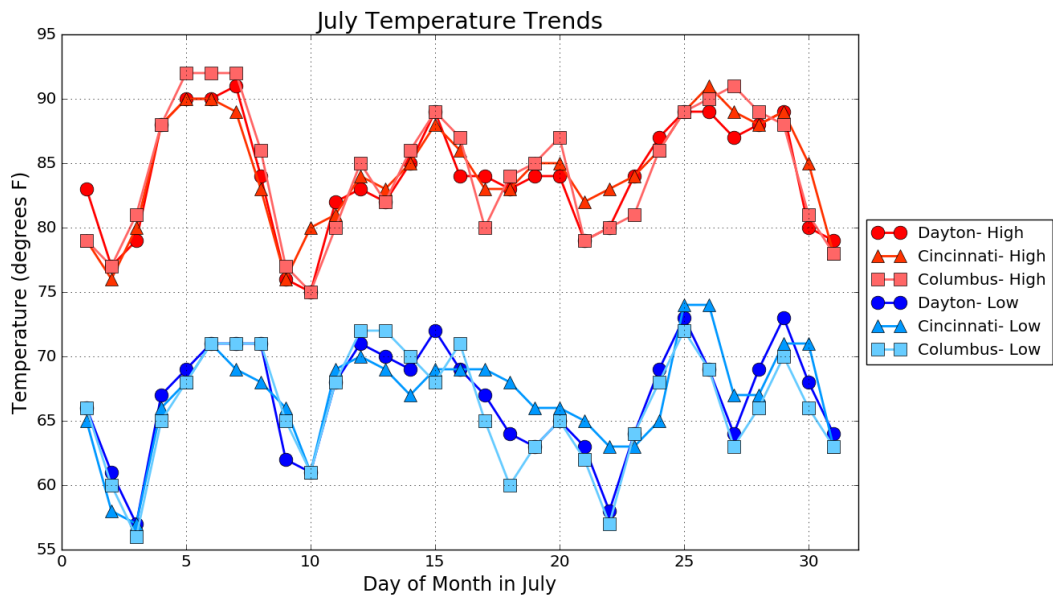
*While there were several swings in temperatures during the month, there were no significant departures from normal. In fact, the daily average departure from normal strayed beyond 5 degrees only a handful of times – indicating just how consistent the temperature pattern was throughout the month. Due to this, temperatures for the month overall ended up close to normal region-wide. High temperatures during the month generally ranged from the 70s to the 90s, with low temperatures generally ranging from the 50s to the 70s. With temperatures relatively close to normal, there were no temperature records set during the month at Dayton, Columbus, or Cincinnati.*

*Both Cincinnati (KCVG) and Dayton (KDAY) had high temperatures reach at least 90°F on three (3) separate days, with Columbus (KCMH) reaching at least 90°F on five (5) days.*

Site	Avg Temp (°F)	Avg High Temp (°F)	Avg Low Temp (°F)	Departure From Normal (°F)	Maximum Temperature (°F)	Minimum Temperature (°F)
Cincinnati (CVG)	75.7°F	84.5°F	66.9°F	-0.2°F	91°F on 26 <sup>th</sup>	57°F on 3 <sup>rd</sup>
Columbus (CMH)	75.2°F	84.4°F	66.1°F	-0.2°F	92°F on 6 <sup>th</sup> and 7 <sup>th</sup>	56°F on 3 <sup>rd</sup>
Dayton (DAY)	75.4°F	84.0°F	66.7°F	-0.6°F	91°F on 7 <sup>th</sup>	57°F on 3 <sup>rd</sup>



# Temperatures (Continued)



# Precipitation

*While a few isolated locations had near to below normal precipitation for the month, most locations received above normal rainfall, especially near the I-71 corridor and portions of south-central Ohio and northern and northeast Kentucky. Due to the convective nature of the activity on several days, precipitation was highly-variable with some locations only having a few inches of rainfall, while other spots received over 8-10 inches of rain for the month.*

*Severe weather events on both the 16<sup>th</sup> and the 29<sup>th</sup> created large differences in rainfall over very small distances. For example, some locations in Lewis County, Kentucky picked up over 4 inches of rain on the 29<sup>th</sup> in just over an hour, while other area locations nearby did not receive one drop of rain.*

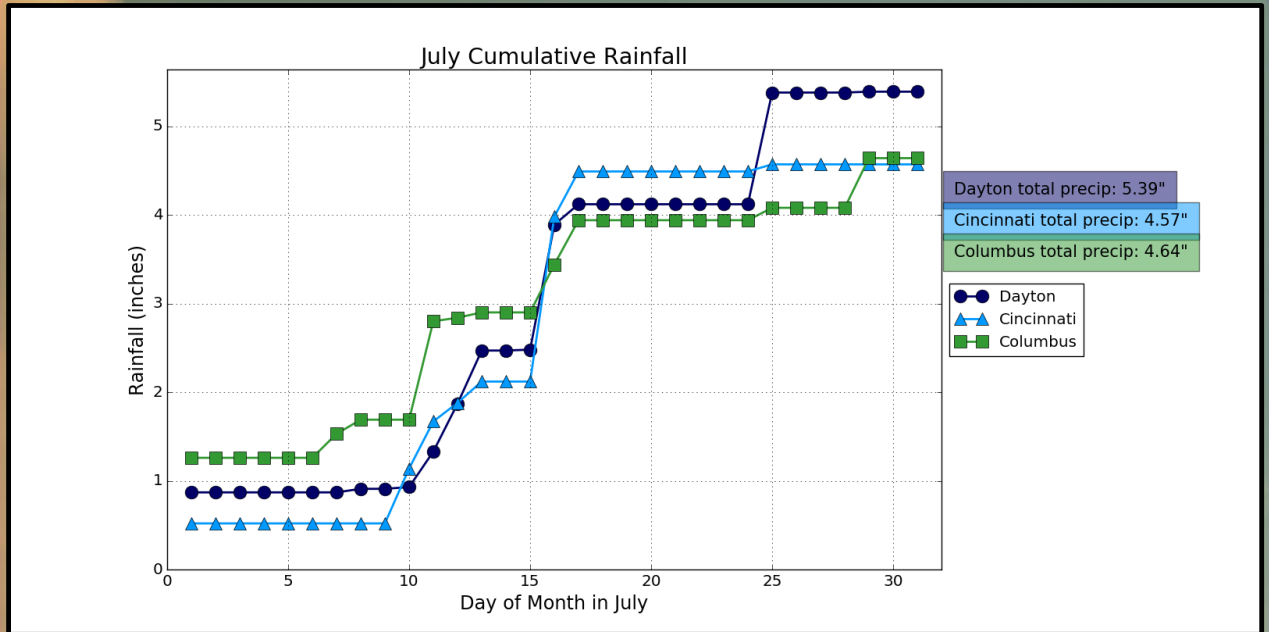
*A record maximum rainfall was set on July 16<sup>th</sup> at the Cincinnati Northern Kentucky International Airport (KCVG), in which 1.86" of rain occurred, breaking the old record for the day of 1.48" set in 1872. Also on the 16<sup>th</sup>, at the Dayton International Airport (KDAY), a record daily maximum rainfall was set as well. 1.41" of rain fell, breaking the old record of 1.23 inches set in 1909. No precipitation records occurred at Columbus (KCMH) throughout the month.*

Site	Total Precipitation (in.)	Departure From Normal (in.)	Max Daily Precipitation (in./date)	
Cincinnati (CVG)	4.57 in.	+0.74 in.	1.86 in.	07/16
Columbus (CMH)	4.64 in.	-0.03 in.	1.26 in.	07/01
Dayton (DAY)	5.39 in.	+1.44 in.	1.41 in.	07/16

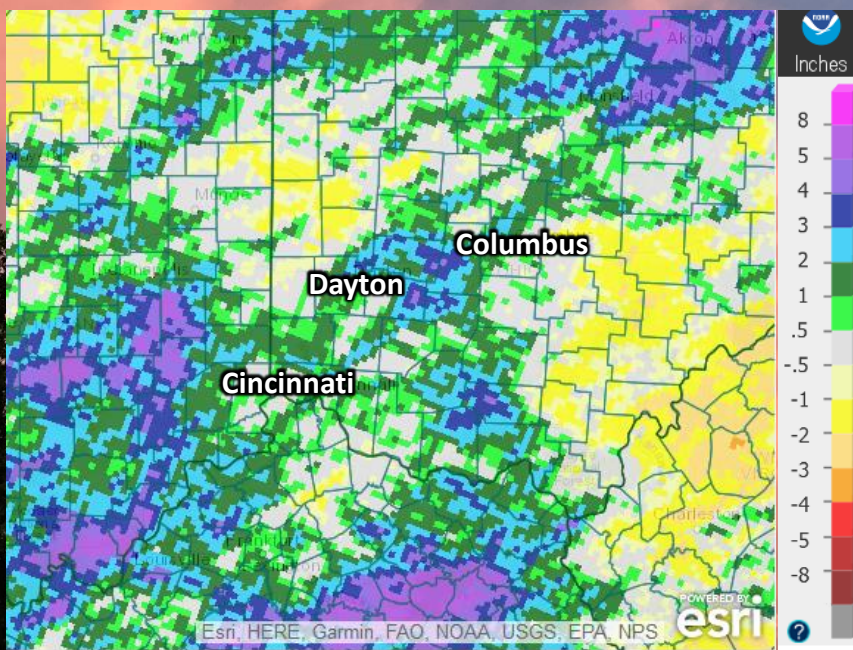




# Precipitation (Continued)



## July Precipitation Departure From Normal (In.)

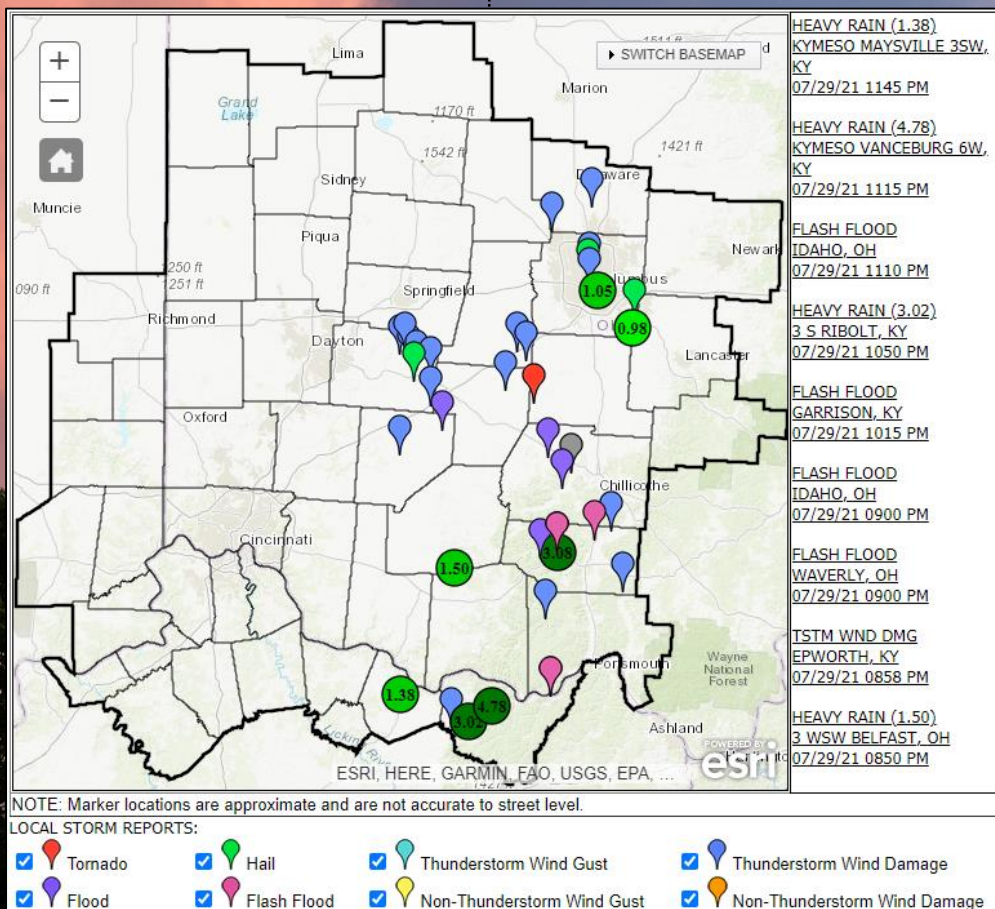


# Severe Weather

*Although there were isolated reports of severe weather on other days of the month, most of the severe weather occurred on the 16<sup>th</sup> and the 29<sup>th</sup>.*

*The primary severe weather threat on the 16<sup>th</sup> was damaging winds as storms moved through during the afternoon hours.*

*On the 29<sup>th</sup>, several complexes of storms produced large hail, damaging winds, a tornado, and severe flash flooding. The tornado was confirmed to be an EF0 near New Holland, Ohio. Below are several of the reports from the [29<sup>th</sup>](#).*





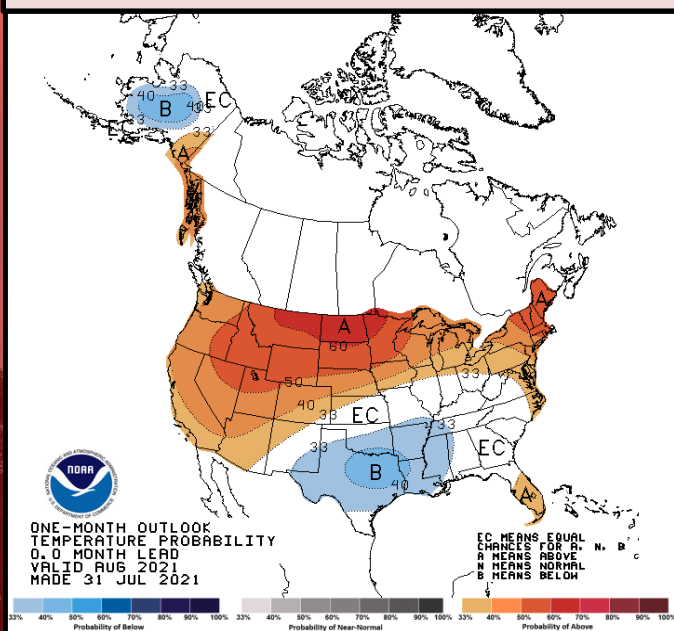
# August Outlook

*The latest outlook from the Climate Prediction Center calls for an increased likelihood of above normal precipitation. Most of the region has equal chances of above, normal, and below normal temperatures.*

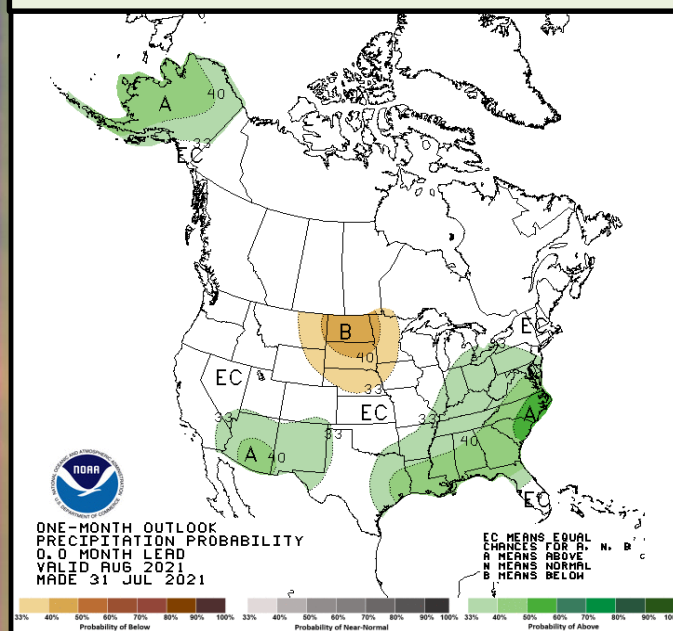
Site	Normal Avg Temp (°F)	Normal High (°F)	Normal Low (°F)
Cincinnati (CVG)	74.9	85.2	64.6
Columbus (CMH)	74.0	84.1	63.9
Dayton (DAY)	74.5	84.6	64.3

Site	Normal Precipitation (in.)	Normal Snowfall (in.)
Cincinnati (CVG)	3.43	0.0
Columbus (CMH)	3.74	0.0
Dayton (DAY)	2.96	0.0

## Upcoming Temperature Outlook



## Upcoming Precipitation Outlook

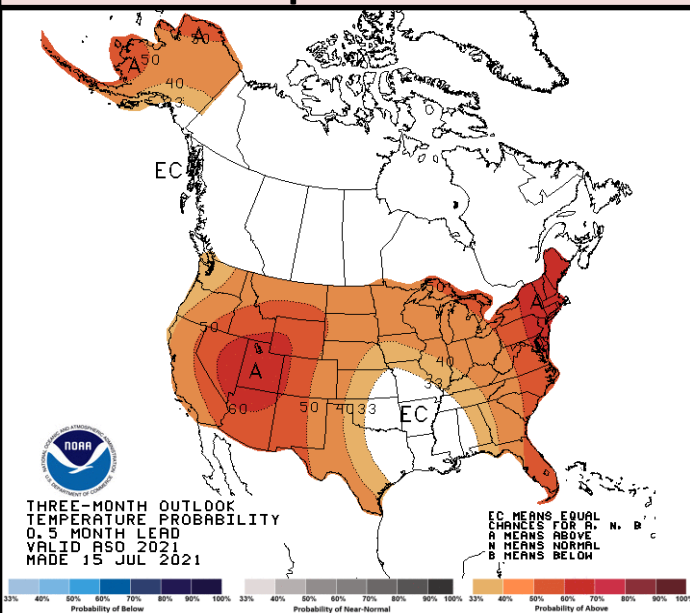


# August-October Outlook

*According to the Climate Prediction Center (CPC), there is an increased likelihood of above normal temperatures and precipitation for much of the region during the August to October timeframe.*

*According to the Climate Prediction Center, ENSO-neutral is favored through the Northern Hemisphere summer and into the fall (51% chance for the August-October season), with La Niña potentially emerging during the September-November season and lasting through the 2021-22 winter (66% chance during November-January). Due to this, there is a La Niña watch in effect.*

**Three-Month (ASO)  
Temp. Outlook**



**Three-Month (ASO)  
Precip. Outlook**

