



NWS Wilmington, Ohio

May 2018

Regional Climate Summary

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May 2018 was a very warm month with Cincinnati and Columbus both having their highest monthly average temperature of record for May. Dayton came in with their second highest average temperature for May. Several temperature records were broken during May. Everyday at Cincinnati, Columbus, and Dayton had above normal average temperatures. Warm temperatures during May helped fuel several days of severe weather. The rainfall pattern was highly variable across the region with some locations ending up above normal, while others were below normal for the month.

Temperatures

Cincinnati (2018-72.4°F previously 1896-71.2°F) and Columbus (2018- 71.7°F previously 1991-70.8°F) both recorded their warmest average temperature on record for May. Dayton had its 2nd warmest May of record with an average temperature of 70.5°F. The highest average temperature for May at Dayton is 71.3°F in 1896. Temperatures during the month of May were above normal every day of the month in Dayton, Columbus, and Cincinnati. Several days throughout the month were over 10 degrees above normal. Cincinnati tied the greatest number of 80+ degree days during May at 24 (also occurred in 1944). Columbus had 24 days of 80+ degree days which beats out 21 days in 2012, 1965, and 1944. Dayton had 19 days of 80+, tying for 5th.

Several temperature records were either tied or broken at Cincinnati and Columbus, however no daily records were broken at Dayton. Below are the daily temperature records for the month of May at Cincinnati and Columbus.

Cincinnati

- Record high minimum temperature on May 3rd at CVG of 67 °F tied the old record set in 1905.
- Record high temperature on May 14th at CVG of 90°F broke the old record of 89°F set in 1916 and 1962.
- Record high minimum temperature of 67°F on May 15th at CVG tied the record of 1986 and 1991.
- Record high temperature on May 15th at CVG reached 89°F. This ties the record daily maximum temperature of 89°F set in 1944.

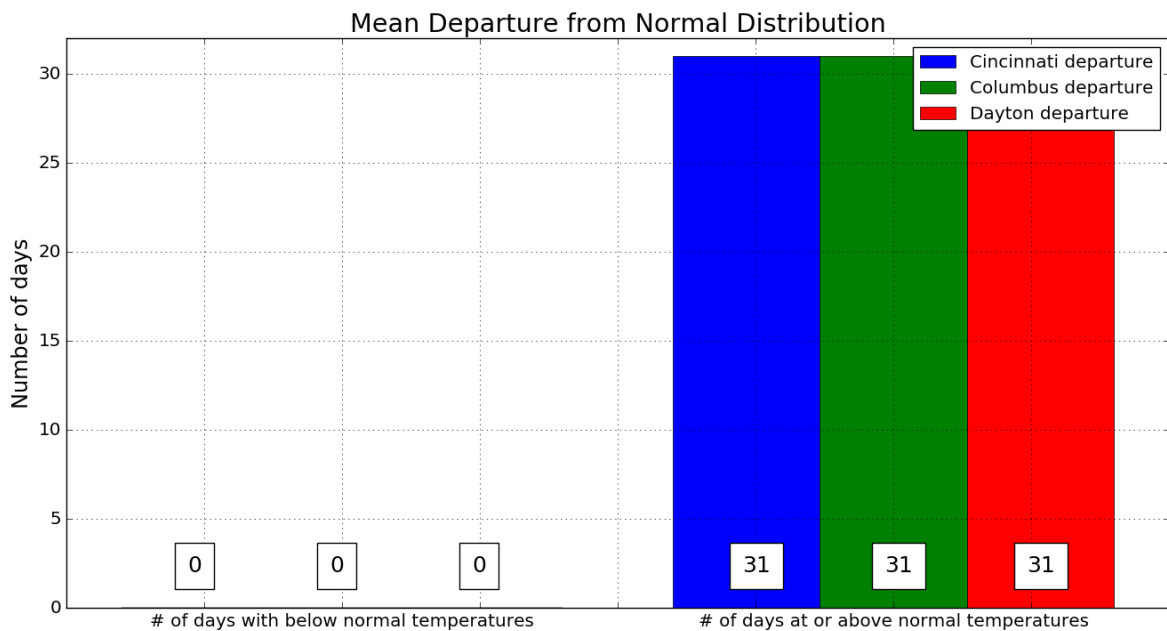
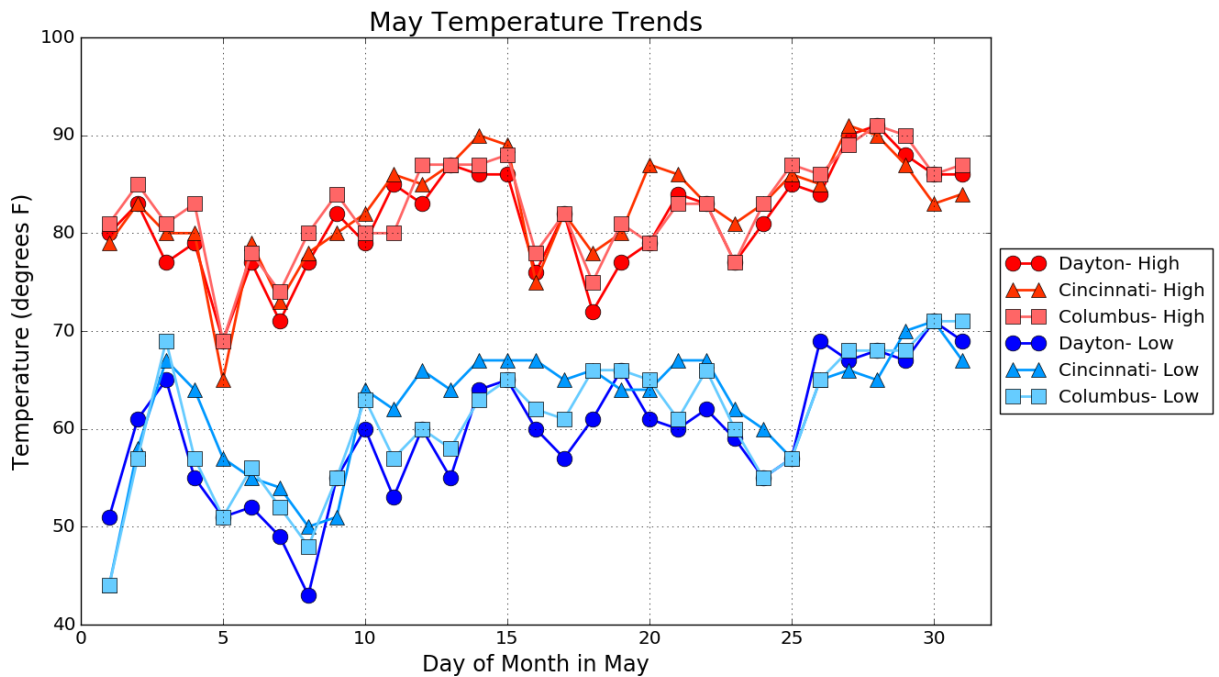
Columbus

- Record high minimum temperature on May 3rd at CMH of 69°F breaks the old record of 65°F set in 2012.
- Record high minimum temperature on May 15th at CMH of 65°F breaks the old record of 64°F set in 2013.
- Record high minimum temperature on May 31st at CMH of 71°F ties the previous record set in 1953.

Site	Avg Temp (°F)	Avg High Temp (°F)	Avg Low Temp (°F)	Departure From Normal (°F)	Maximum Temperature (°F)	Minimum Temperature (°F)
Cincinnati (CVG)	72.4°F	82.5°F	62.4°F	8.9°F	91°F on 27 th	44°F on 1st
Columbus (CMH)	71.7°F	82.6°F	60.8°F	9.2°F	91°F on 28th	44°F on 1st
Dayton (DAY)	70.5°F	81.4°F	59.6°F	9.1°F	91°F on 28 th	43°F on 8th



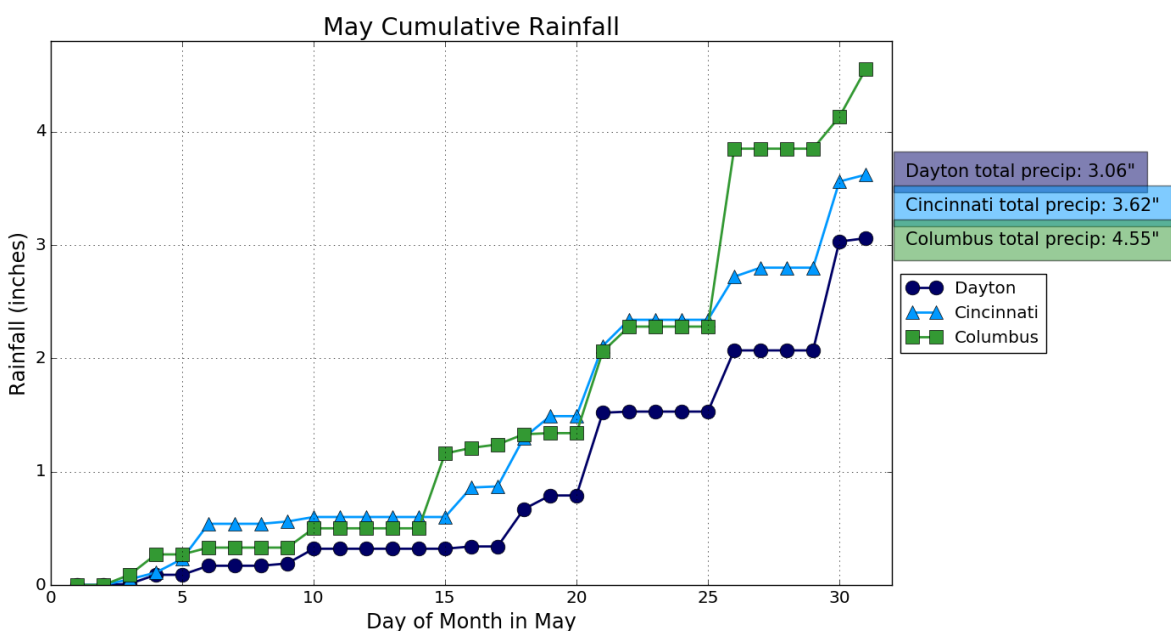
Temperatures (Continued)



Precipitation

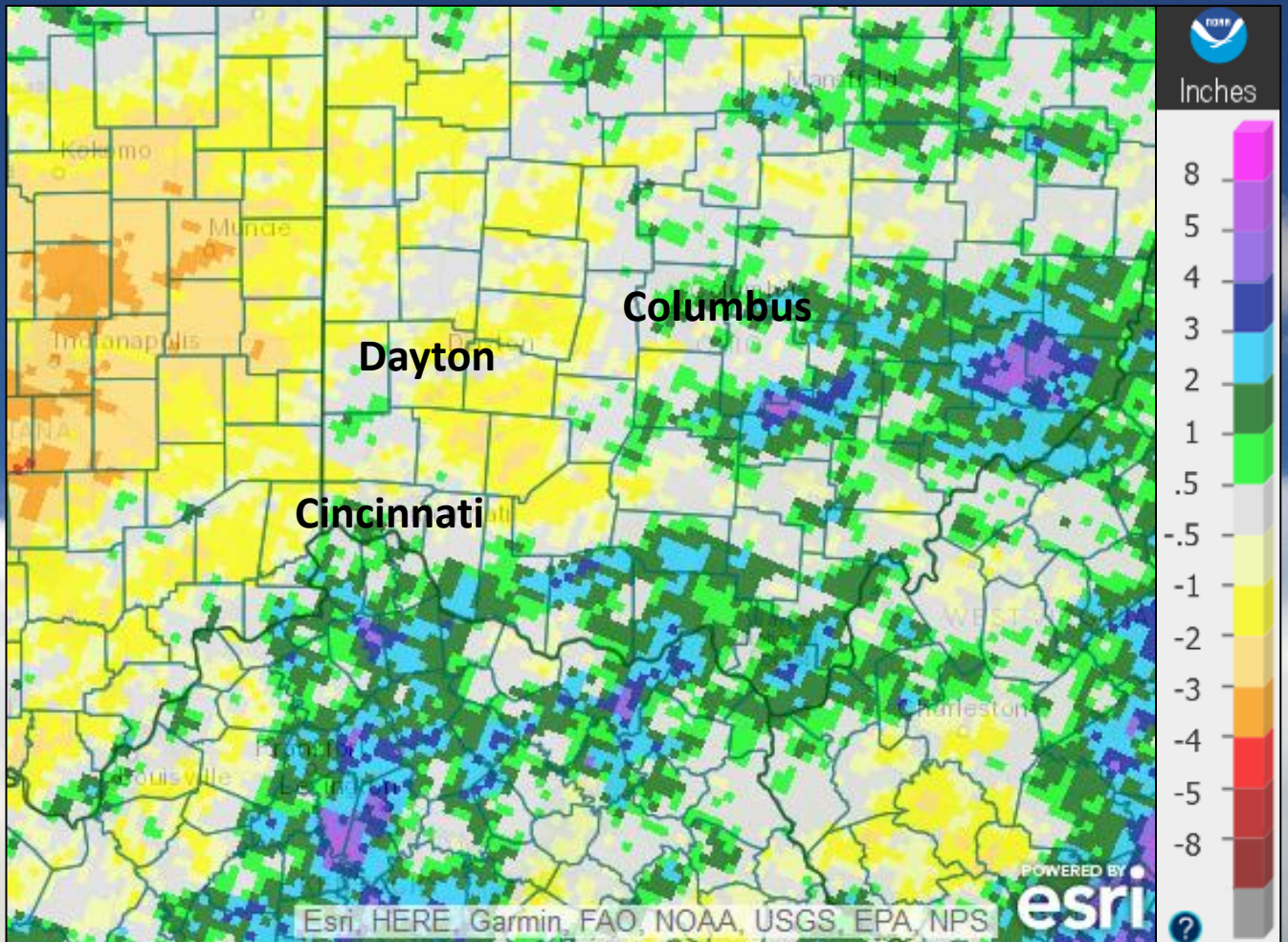
With scattered thunderstorm activity, precipitation during the month of May was highly variable. Some locations experienced flash flooding with rainfall values of several inches in just a couple hour span while other locations had around a couple inches for the entire month. There were no precipitation records set at Cincinnati, Columbus, or Dayton during the month of May.

Site	Total Precipitation (in.)	Departure From Normal (in.)	Max Daily Precipitation (in./date)	
Cincinnati (CVG)	3.62 in.	-1.31	0.76	30th
Columbus (CMH)	4.55 in.	+0.38	1.57	26th
Dayton (DAY)	3.06 in.	-1.60	0.96	30th



Precipitation (Continued)

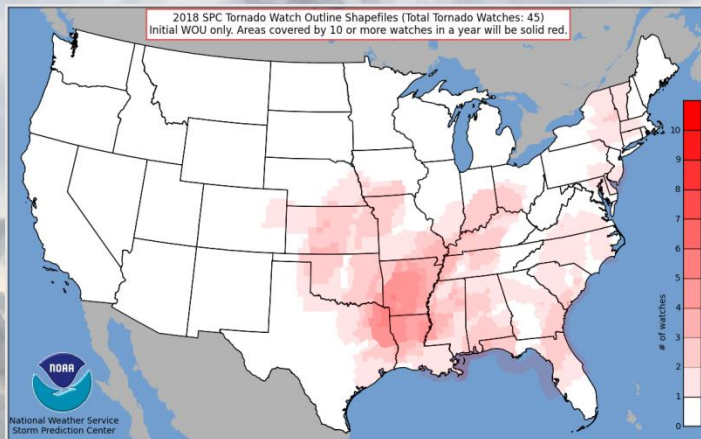
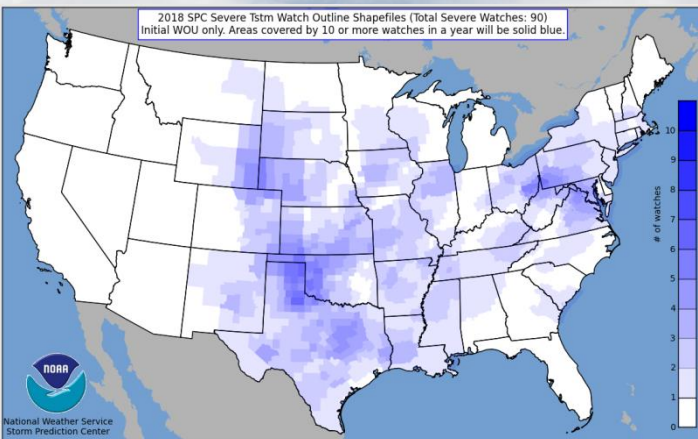
May Precipitation Departure From Normal



Severe Weather

The warmth of May also paved the way for severe weather. Over a third of the days during the month had hail, strong/damaging winds, flash flooding, and/or tornadoes. Severe weather was a little more sporadic at the start of the month, however almost everyday from the 12th-22nd experienced some sort of severe weather across portions of the area. The end of the month saw additional severe weather with the remnants of Alberto bringing damaging winds and a brief tornado on the 30th. A system moved through on the 31st finishing off the month with more severe weather including damaging winds.

Below are the severe thunderstorm watches (in blue) and the tornado watches (in red) that have been issued so far this year. The darker blues and reds indicate more watches have been issued for those locations.



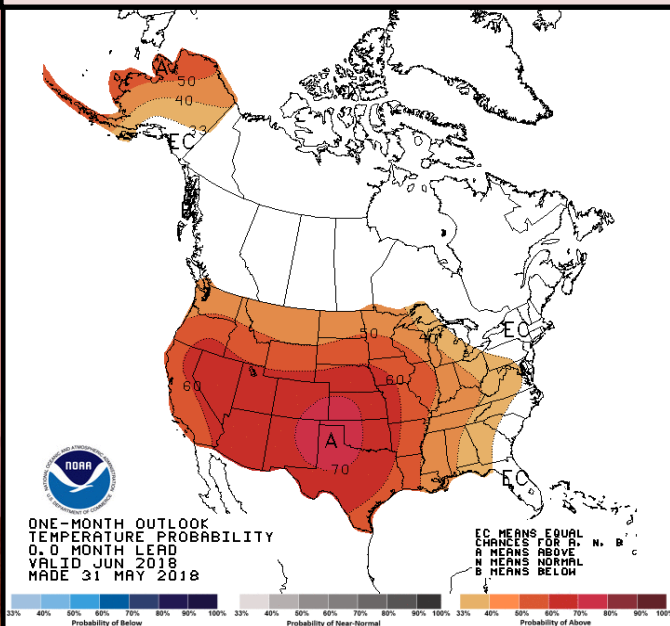
June Outlook

The latest outlook from the Climate Prediction Center calls for an increased likelihood of above normal temperatures. There is not a clear signal for precipitation with an equal chance of below normal, normal, or above normal rainfall.

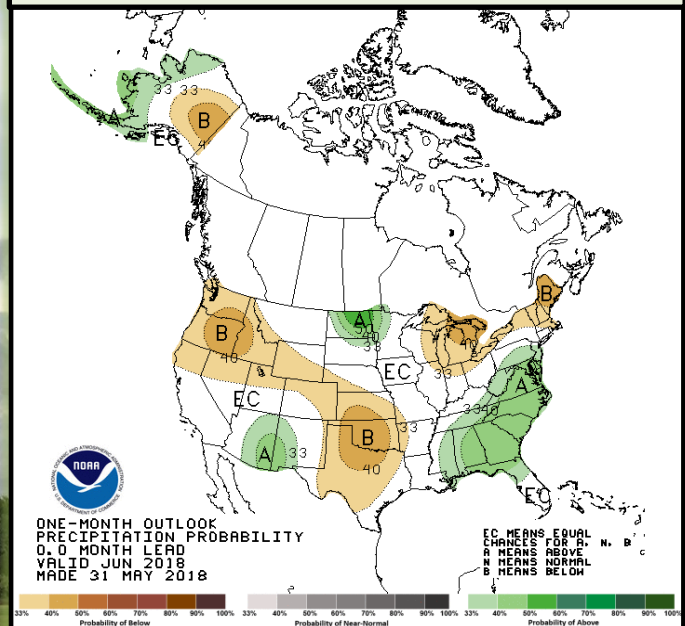
Site	Normal Avg Temp (°F)	Normal High (°F)	Normal Low (°F)
Cincinnati (CVG)	72.1	82.1	62.0
Columbus (CMH)	71.5	81.6	61.5
Dayton (DAY)	70.6	80.2	60.9

Site	Normal Precipitation (in.)
Cincinnati (CVG)	4.03
Columbus (CMH)	4.01
Dayton (DAY)	4.17

June Temperature Outlook



June Precipitation Outlook

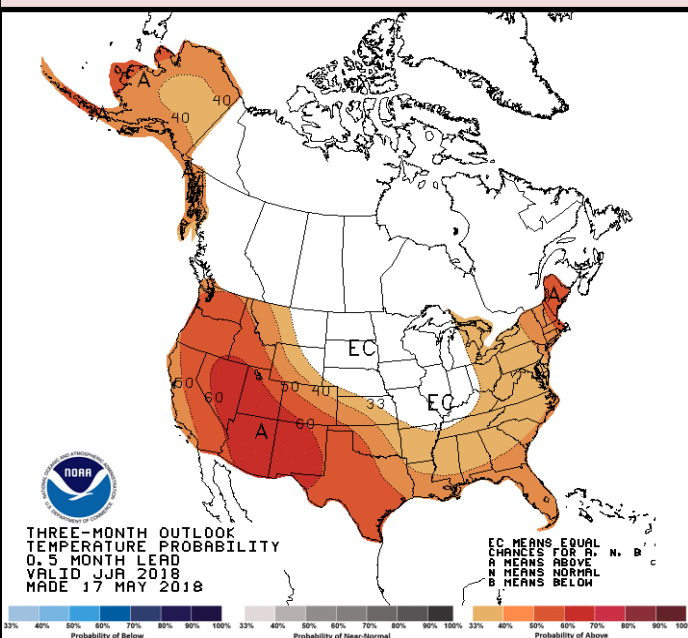


June-August Outlook

After the very warm May, what can we expect to see this summer? The latest outlook from the Climate Prediction Center calls for an increased likelihood of above normal temperatures across central and eastern portions of Ohio and down into eastern Kentucky. There is not a clear signal for temperatures across western portions of the area across western Ohio, portions of northern Kentucky, and eastern Indiana. The entire region has an increased likelihood of above normal precipitation.

ENSO neutral conditions are expected through the summer months with a 50% chance of El Niño developing for this winter.

Three-Month (JJA) Temp. Outlook



Three-Month (JJA) Precip. Outlook

