



NWS Wilmington, Ohio April 2018 Regional Climate Summary

Regional Climate Summary

There was a large range of temperatures during the month of April, however in general temperatures during a large portion of the month were below normal. Precipitation was above normal with several days of accumulating snowfall also occurring during the month. Severe weather and thunderstorms in general were sparse, however tornadoes, large hail, damaging winds, and flash flooding all occurred on April 3rd.

Temperatures

Temperatures during most of the month of April were significantly below normal to near normal. This includes several days during the month where the departure from normal was 10 to 20 degrees below normal. Although temperatures were well below normal on many days during the month, only one record low temperature occurred with Columbus recording a record low maximum temperature of 37°F on April 17th. This breaks the previous record of 39°F set in 1907.

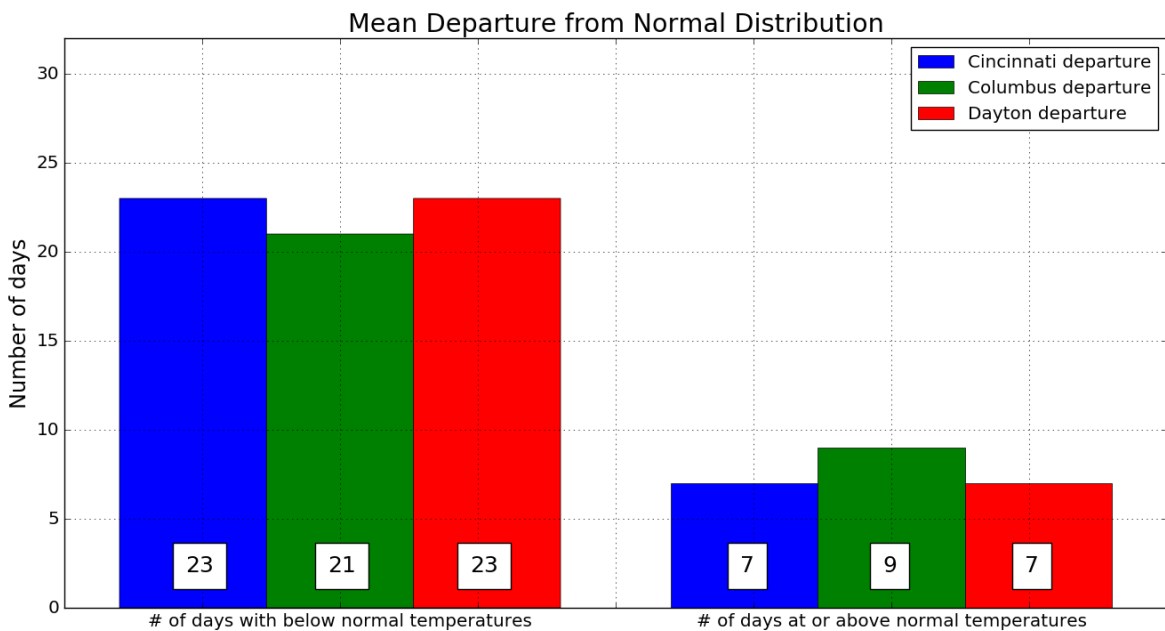
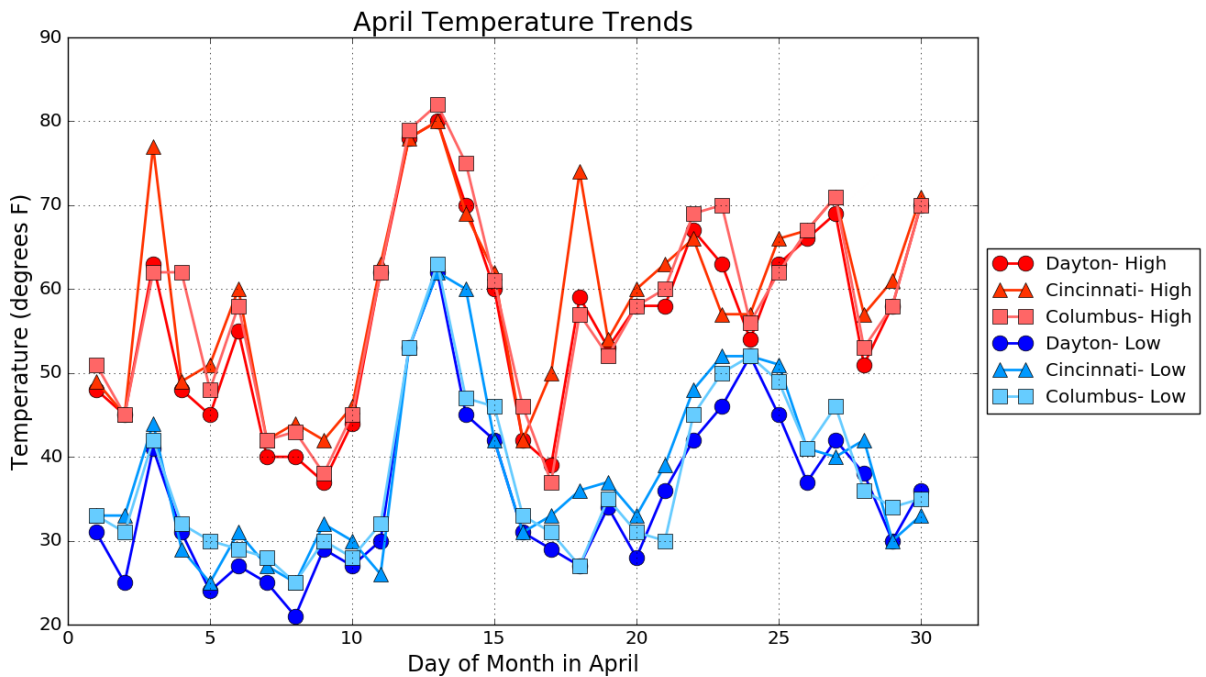
Despite the generally cool month, there were actually more temperature records broken or tied for warm weather than for cold weather. Dayton tied the record high minimum temperature on the 13th when the minimum temperature only fell to 62°F. This record was set in 1916. Columbus broke the record high minimum temperature on the 13th with a low of 63°F. The previous record was 61°F set in 1916.

Temperatures on the 12th and 13th of the month were 10 to 20 degrees above normal with several locations on the 13th reaching 80°F. These 80 degree temperatures occurred just days and within the same week of high temperatures across most locations being in the 30s to around 40°F. It was just a few days after the 80 degree readings that temperatures were then back into the 30s.

Site	Avg Temp (°F)	Avg High Temp (°F)	Avg Low Temp (°F)	Departure From Normal (°F)	Maximum Temperature (°F)	Minimum Temperature (°F)
Cincinnati (CVG)	48.7°F	59.1°F	38.3°F	-5.5°F	80°F on 13 th	25°F on 5 th /8 th
Columbus (CMH)	47.7°F	58.0°F	37.5°F	-5.4°F	82°F on 13 th	25°F on 8 th
Dayton (DAY)	45.9°F	56.2°F	35.5°F	-5.8°F	80°F on 13 th	21°F on 8 th



Temperatures (Continued)



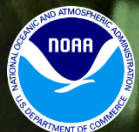
Precipitation

In general, precipitation during the month of April ended up above normal. Both rain and snow occurred during the month including several days of accumulating snow. Cincinnati had 4 days of measurable 0.1 inches or greater snowfall, Columbus had 7 days of measurable 0.1 inches or greater snowfall, and Dayton had 5 days of measurable 0.1 inches or greater snowfall. This is the highest number of days of measurable snowfall in April for each of the three sites. In addition to the measurable snowfall, several additional days of a trace of snowfall occurred.

Also of note was the relative lack of thunderstorms during the month. Although thunderstorms occurred at the beginning of the month, primarily on the 3rd of April, very little in the way of thunderstorms occurred during the month as a whole. This was unusual, given that typically during the spring several days of thunderstorms are observed.

Several rain and snow records occurred during the month. A record snowfall of 0.6 inches was set at Cincinnati on the 9th breaking the old record for the day of 0.4 inches set in 1982 and 1938. A record snowfall of 0.8 inches was set at Cincinnati on the 16th breaking the old record for the day of 0.4 inches set in 1935. 2.88 inches of rain on the 3rd of April at Dayton broke the old record of 1.75 inches in 1957. 1.95 inches of rain at Columbus on the 3rd broke the old record of 1.50 inches set in 2000. 2.06 inches of rain at Columbus on the 15th broke the old record of 1.46 inches in 1939.

Site	Total Precipitation (in.)	Departure From Normal (in.)	Max Daily Precipitation (in./date)		Total Snowfall (in.)	Max Daily Snowfall (in./date)	
Cincinnati (CVG)	3.92 in.	+0.03 in.	0.93 in.	15th	2.5 in.	0.8 in.	16th
Columbus (CMH)	5.23 in.	+1.83 in.	2.06 in.	15th	2.9 in.	0.9 in.	1st
Dayton (DAY)	4.78 in.	+0.69 in.	2.88 in.	3rd	3.4 in.	1.7 in.	1st



Precipitation (Continued)

April Cumulative Liquid Equivalent Precipitation

Liquid Equivalent Precipitation (inches)

Day of Month in April

Dayton total precip: 4.78"
Cincinnati total precip: 3.92"
Columbus total precip: 5.23"

Legend:
● Dayton
▲ Cincinnati
■ Columbus

Day of Month in April	Dayton (inches)	Cincinnati (inches)	Columbus (inches)
1	0.2	0.2	0.2
2	0.5	0.5	0.5
3	3.0	1.2	2.0
4	3.0	1.2	2.1
5	3.0	1.2	2.1
6	3.0	1.2	2.3
7	3.0	1.2	2.3
8	3.0	1.2	2.3
9	3.0	1.2	2.3
10	3.0	1.2	2.3
11	3.0	1.2	2.3
12	3.0	1.2	2.3
13	3.0	1.2	2.3
14	3.0	1.2	2.3
15	4.5	2.8	4.5
16	4.5	2.8	4.5
17	4.5	2.8	4.5
18	4.5	2.8	4.5
19	4.5	3.1	4.5
20	4.5	3.1	4.5
21	4.5	3.1	4.5
22	4.5	3.1	4.5
23	4.5	3.1	4.5
24	4.5	3.1	4.5
25	4.5	3.9	5.2
26	4.5	3.9	5.2
27	4.5	3.9	5.2
28	4.5	3.9	5.2
29	4.5	3.9	5.2
30	4.5	3.9	5.2

April Precipitation Departure From Normal

Chicago Detroit Lake Erie Cleveland Pittsburgh Columbus Cincinnati

INDIANA OHIO MICHIGAN

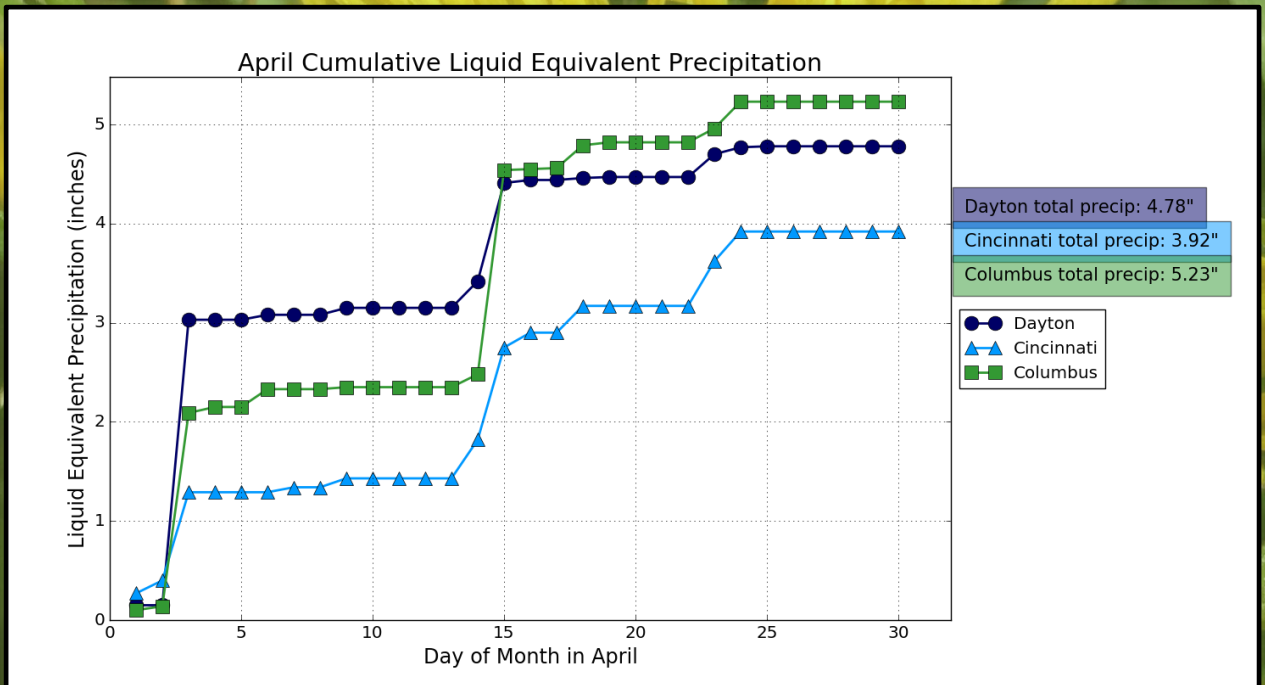
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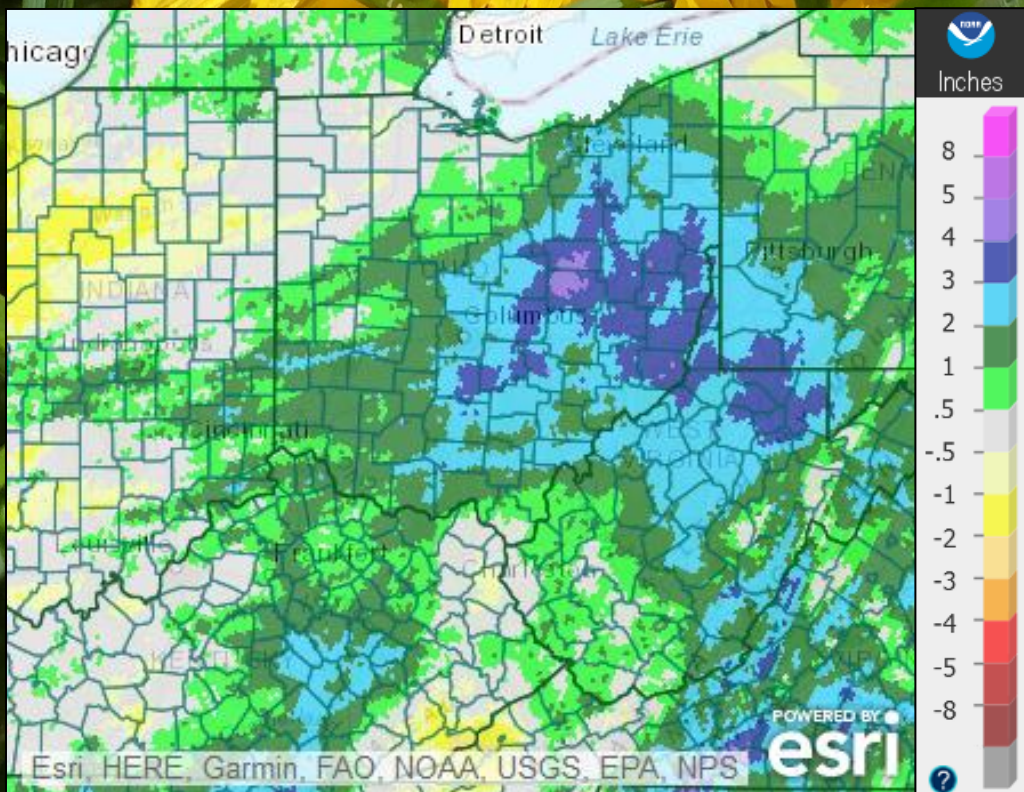
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8 5 4 3 2 1 .5 -.5 -1 -2 -3 -4 -5 -6 -7 -8

Inches



April Precipitation Departure From Normal



Severe Weather

The primary severe weather event during April occurred on April 3rd. With this event tornadoes, large hail, damaging winds, and flash flooding all occurred. Flooding continued during the overnight hours into April 4th.

Four tornadoes occurred including three EF1s and one EF0. The three EF1s were located in Ohio north of Xenia, near Selma, and in Grove City. The EF0 was located near London, Ohio.



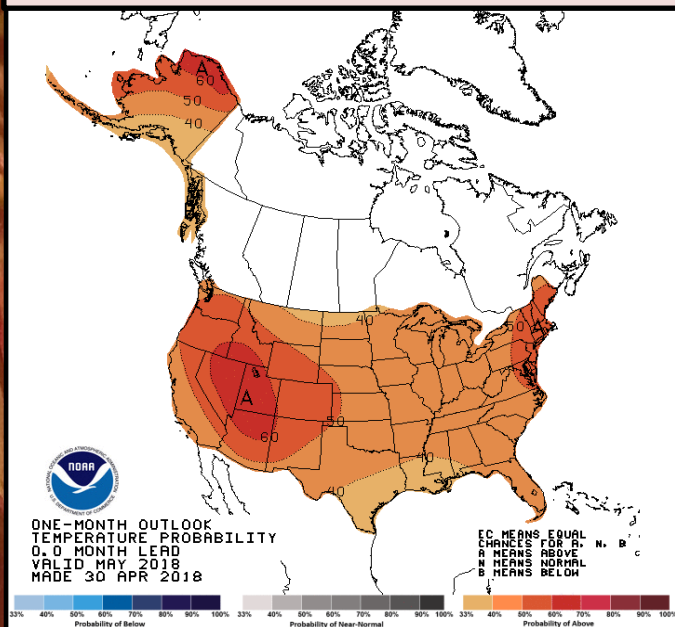
May Outlook

The latest outlook from the Climate Prediction Center calls for an increased likelihood of above normal temperatures. There is not a clear signal for above normal, normal, or below normal precipitation, however there is a slight bias across Kentucky for below normal precipitation.

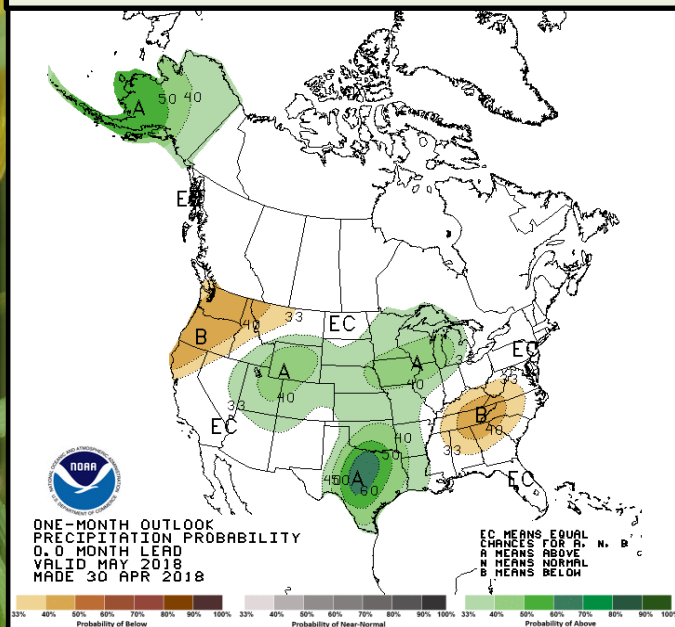
Site	Normal Avg Temp (°F)	Normal High (°F)	Normal Low (°F)
Cincinnati (CVG)	63.5°F	73.7°F	53.2°F
Columbus (CMH)	62.5°F	72.9°F	52.2°F
Dayton (DAY)	61.4°F	71.5°F	51.4°F

Site	Normal Precipitation (in.)
Cincinnati (CVG)	4.93 in.
Columbus (CMH)	4.17 in.
Dayton (DAY)	4.66 in.

Upcoming Temperature Outlook



Upcoming Precipitation Outlook

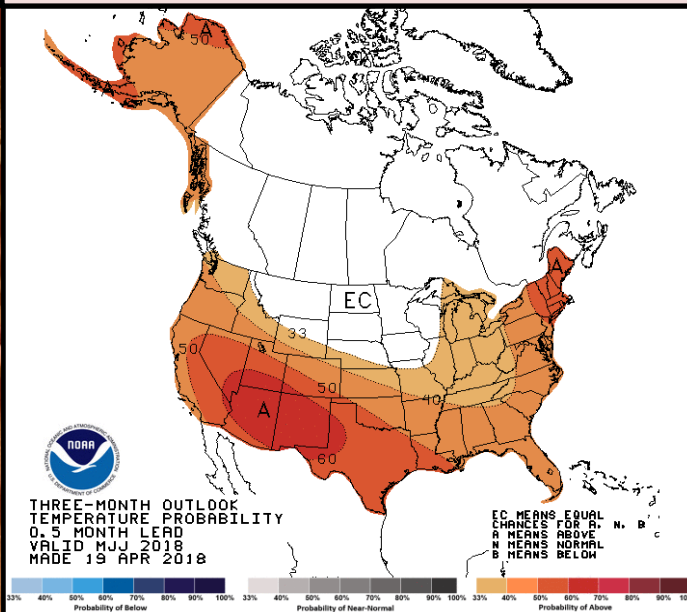


May-July Outlook

There is an increased likelihood of above normal temperatures and above normal precipitation during the May, June, and July timeframe.

A La Niña Advisory remains in effect, however a transition to ENSO-neutral is most likely during May. ENSO-neutral conditions are then expected to continue during the summer.

Three-Month (MJJ) Temp. Outlook



Three-Month (MJJ) Precip. Outlook

