

NWS Wilmington, Ohio March 2019 Regional Climate Summary

Regional Climate Summary

Large temperature swings occurred during the month with temperatures at times over 20 degrees below normal and over 20 degrees above normal. Although total precipitation for the month was above normal, the month was not quite as wet as some of the previous months across the region. Other than March 14th, severe weather was pretty minimal for the month of March.

Temperatures

March temperatures were typical of spring with many large temperature swings throughout the month. Temperatures were 20 degrees or more below normal at times in the first week of the month, while temperatures during the middle of the month were 20 degrees or more above normal. Temperatures for the later part of the month were a little closer to normal, however swings in temperatures both below and above normal still occurred.

These highly variable temperature swings brought temperatures to the region ranging from lows in the single digits to high temperatures reaching into the 70s.

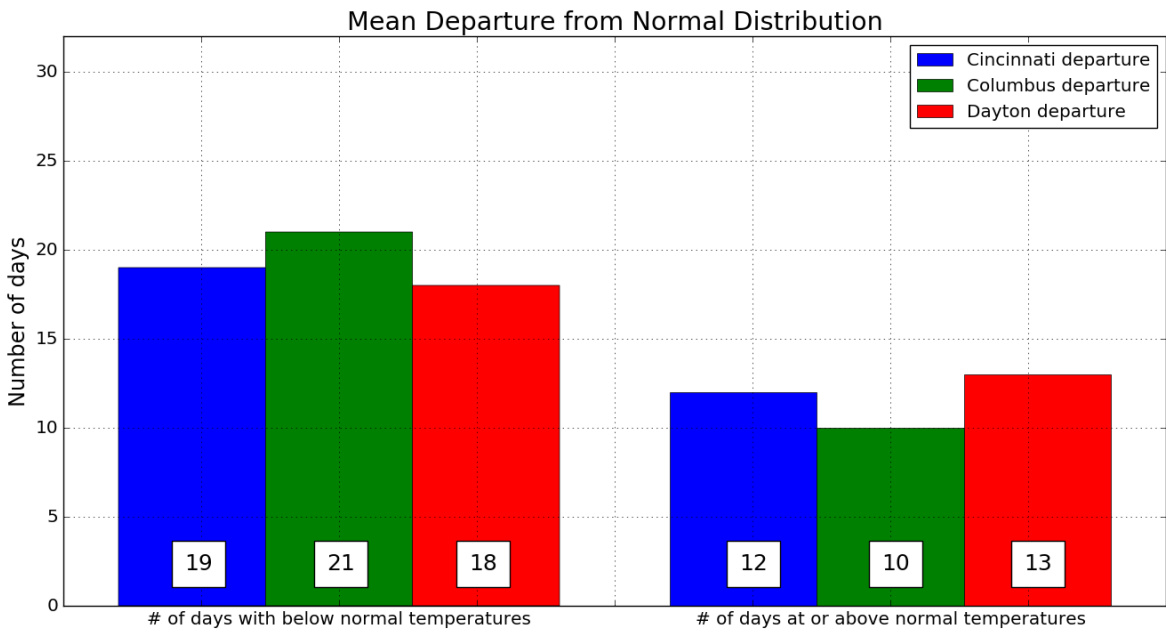
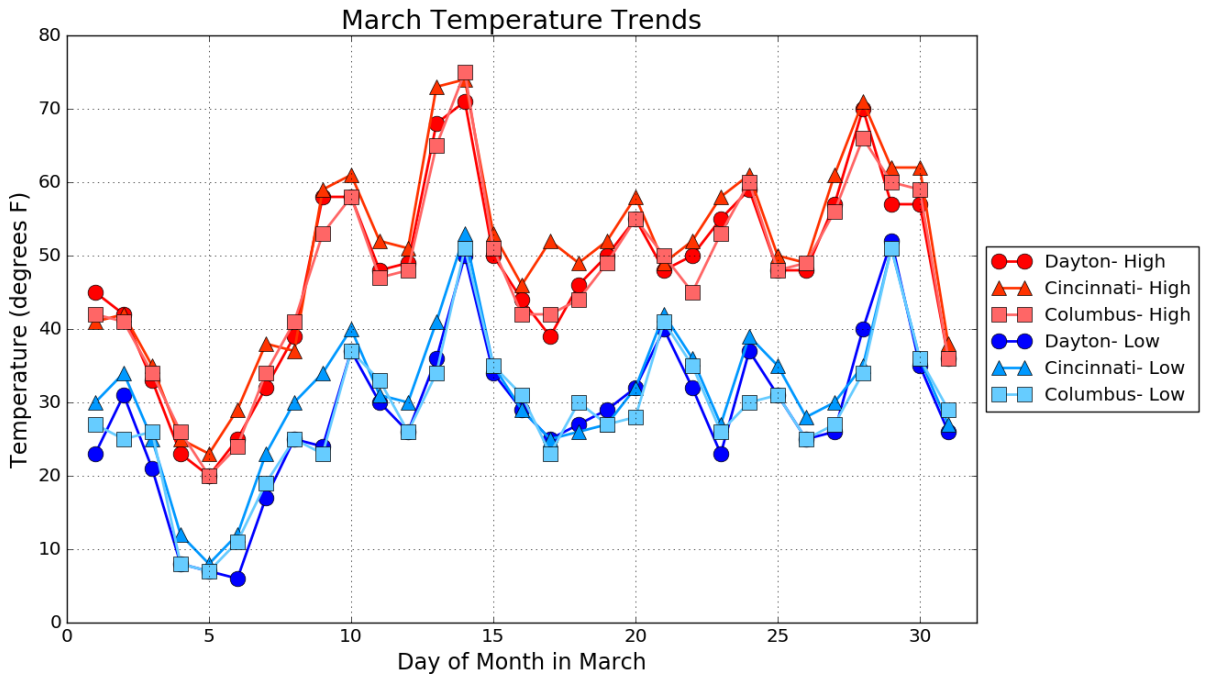
Temperature records that occurred during the month include a record low maximum temperature at Cincinnati on March 5th when the high temperature only reached 23 degrees. The previous record low maximum temperature for this date was 24 degrees set in 1960. The high temperature on March 5th in Columbus was 20 degrees. This ties the record low maximum temperature of 20 degrees previously set on this date in 1890. The high temperature at Dayton on March 5th was only 20 degrees as well. This breaks the low maximum temperature for this date of 22 degrees previously set in 1960 and 2015.

Overall, temperatures generally averaged several degrees below seasonal norms for the month as a whole.

Site	Avg Temp (°F)	Avg High Temp (°F)	Avg Low Temp (°F)	Departure From Normal (°F)	Maximum Temperature (°F)	Minimum Temperature (°F)
Cincinnati (CVG)	40.7°F	50.4°F	31.1°F	- 2.9°F	74°F on 14th	8°F on 5th
Columbus (CMH)	38.1°F	47.5°F	28.7°F	- 3.8°F	75°F on 14th	7°F on 5th
Dayton (DAY)	38.1°F	47.7°F	28.5°F	- 2.3°F	71°F on 14th	6°F on 6th



Temperatures (Continued)



Precipitation

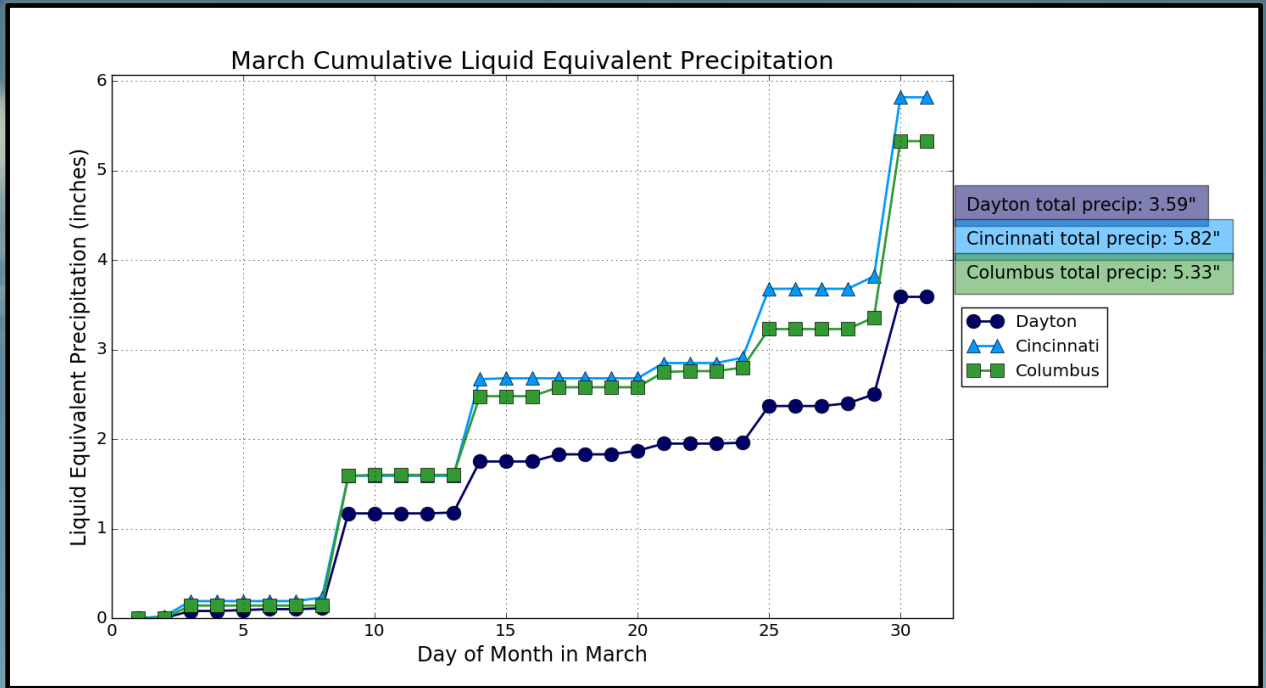
Although not quite as wet as February, the month of March still featured its fair share of precipitation across the region. In fact, the month started off on a bit of a wintry note, with light snow accumulations of 1 to 3 inches across much of the local area on the 3rd of March. And despite the several cold days that followed, the snow didn't stick around for too long, especially as temperatures reached to near 60°F by the 9th. As warmer air built into the region on the 9th, widespread rain moved through the region, with many locations receiving over an inch of rain on this day alone. Behind this system, drier conditions evolved for the next several days until a severe weather event developed on the 14th. Several rounds of strong to severe thunderstorms developed during the afternoon and evening hours on the 14th, leading to numerous instances of heavy rain – particularly across southeastern Indiana, northern Kentucky and southwestern and central Ohio. Many locations received another inch + of rainfall from these rounds of storms. Luckily, following the severe weather event on the 14th, a somewhat drier pattern evolved for the next 10 days or so before a quick moving system brought banded rain to the area for most of the day on the 25th. Rainfall with this system generally ranged between a half of an inch to an inch between the Ohio River and the I-70 corridor.

Several more dry days followed before the month ended on a bit of a soggy note. Additional showers associated with a stalling boundary and low pressure system moved through on the 29th and 30th. 2.00" of rain at Cincinnati on the 30th broke the old record for the day of 1.78 set in 1985. 1.97 inches fell in Columbus on the 30th breaking the old record for the day of 1.47 set in 1987. In addition, snow up to around 2 inches occurred across locations northwest of Dayton on the night of the 30th. Additional light snow finished off the month on the 31st across portions of the region.

Site	Total Precipitation (in.)	Departure From Normal (in.)	Max Daily Precipitation (in./date)		Total Snowfall (in.)	Max Daily Snowfall (in./date)	
Cincinnati (CVG)	5.82"	+ 1.86"	2.00"	03/30	3.0"	2.0"	03/03
Columbus (CMH)	5.33"	+ 2.31"	1.97"	03/30	2.0"	1.9"	03/03
Dayton (DAY)	3.59"	+ 0.25"	1.09"	03/30	1.5"	2.2"	03/03

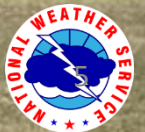
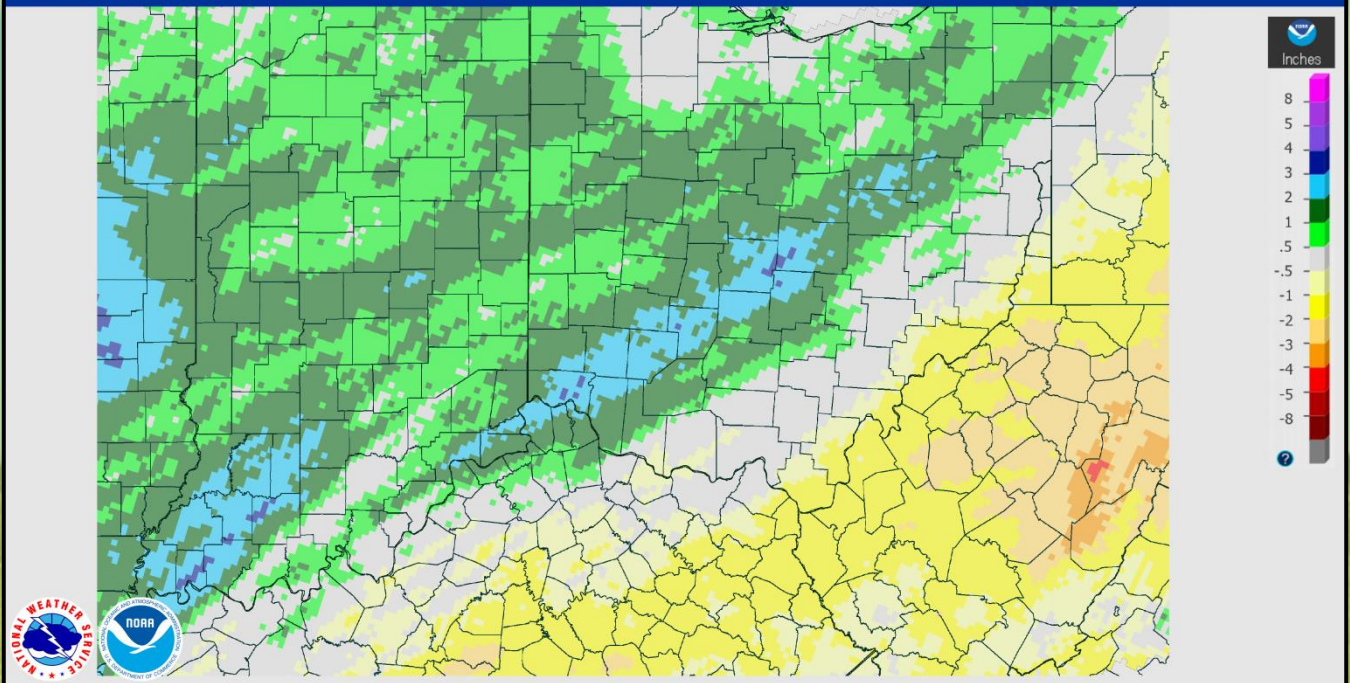


Precipitation (Continued)



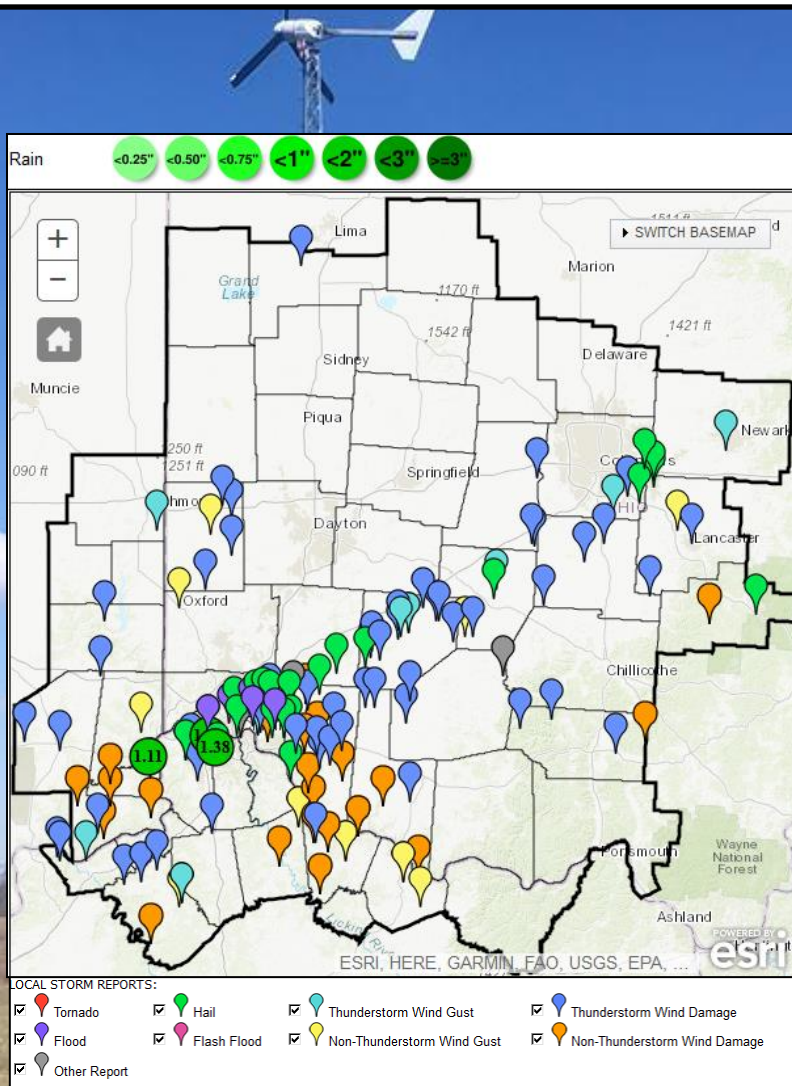
March 01, 2019 Monthly Departure Precipitation

Created on: April 01, 2019 - 13:45 UTC
Valid on: April 01, 2019 12:00 UTC



Severe Weather

Windy conditions and severe weather occurred on March 14th. Damaging wind occurred with both the severe storms that moved through and also with the gusty winds outside of thunderstorm activity. Hail also occurred with some of these storms along with some flooding issues. A majority of the hazardous weather on this day occurred near and southeast of Interstate 71.



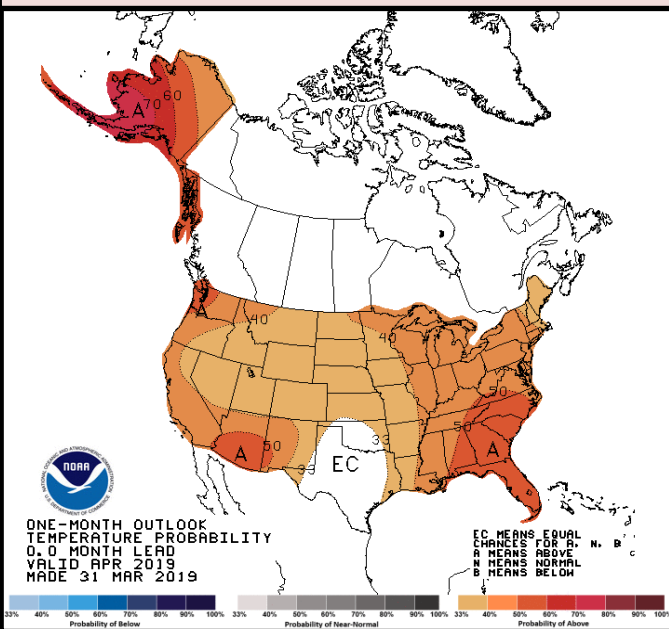
April Outlook

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 equal chances of below normal, normal, and above normal precipitation.

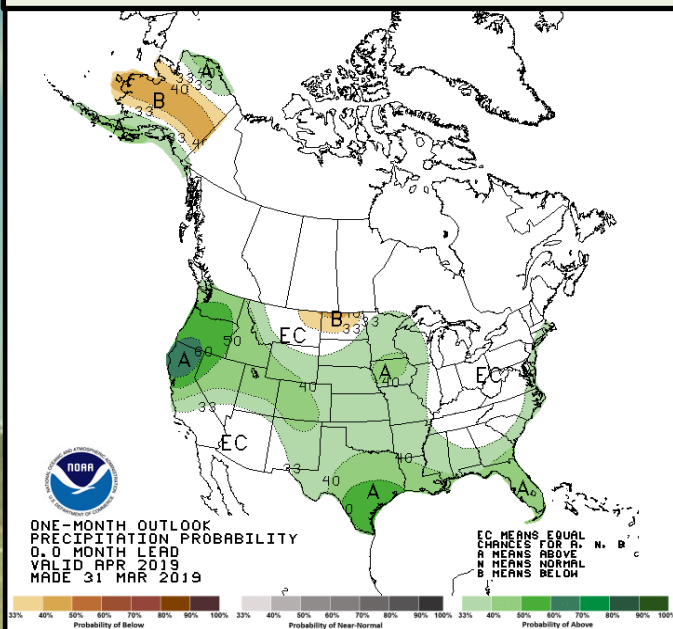
Site	Normal Avg Temp (°F)	Normal High (°F)	Normal Low (°F)
Cincinnati (CVG)	54.2°F	64.7°F	43.7 °F
Columbus (CMH)	53.1 °F	63.5°F	42.6°F
Dayton (DAY)	51.6°F	61.9 °F	41.4°F

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

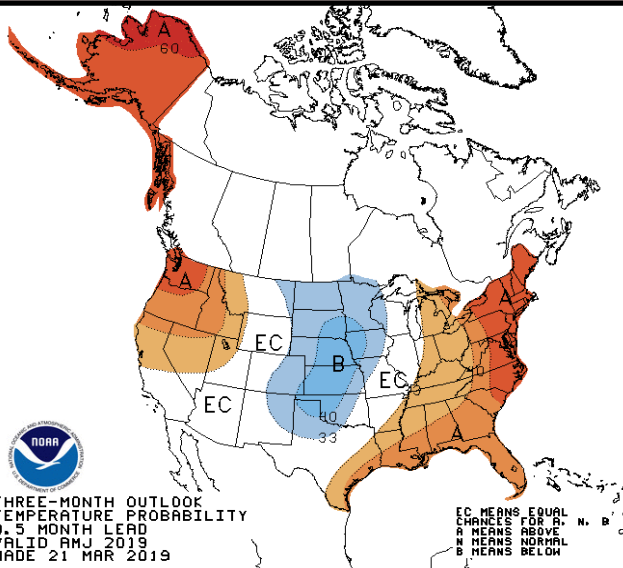


April-June Outlook

There is an increased likelihood of both above normal temperatures and above normal precipitation across the entire region for the April, May, and June timeframe.

El Niño conditions are expected to continue through the spring (80% chance) and likely continue as well into the summer (60% chance). An El Niño advisory is in effect at this time.

Three-Month (AMJ) Temp. Outlook



Three-Month (AMJ) Precip. Outlook

