



# NWS Wilmington, Ohio January 2019 Regional Climate Summary

## Regional Climate Summary

*Well above normal temperatures led to little in the way of winter precipitation to start the month. The middle of the month led to more seasonable conditions with accumulating snow. January then began a transition to a much cooler pattern with well below normal temperatures and several consecutive days of snowfall.*

# Temperatures

*The beginning of January continued off the trends of December with above normal temperatures. For over a week in January temperatures were not only above normal, several days were well above normal. The warmest day was the 8<sup>th</sup> of January when many temperatures were over 20 degrees above normal with high temperatures in the 60s.*

*More seasonable temperatures returned for the 9<sup>th</sup> through the middle of the month as temperatures oscillated slightly above normal to slightly below normal.*

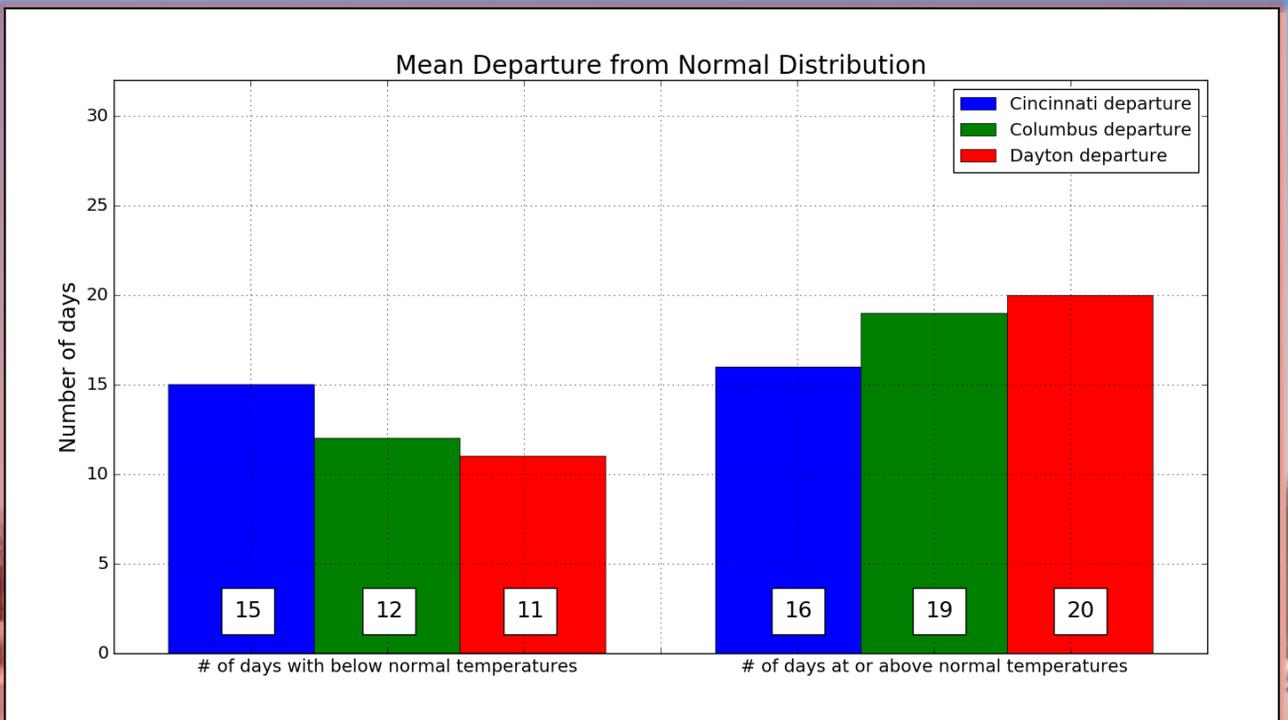
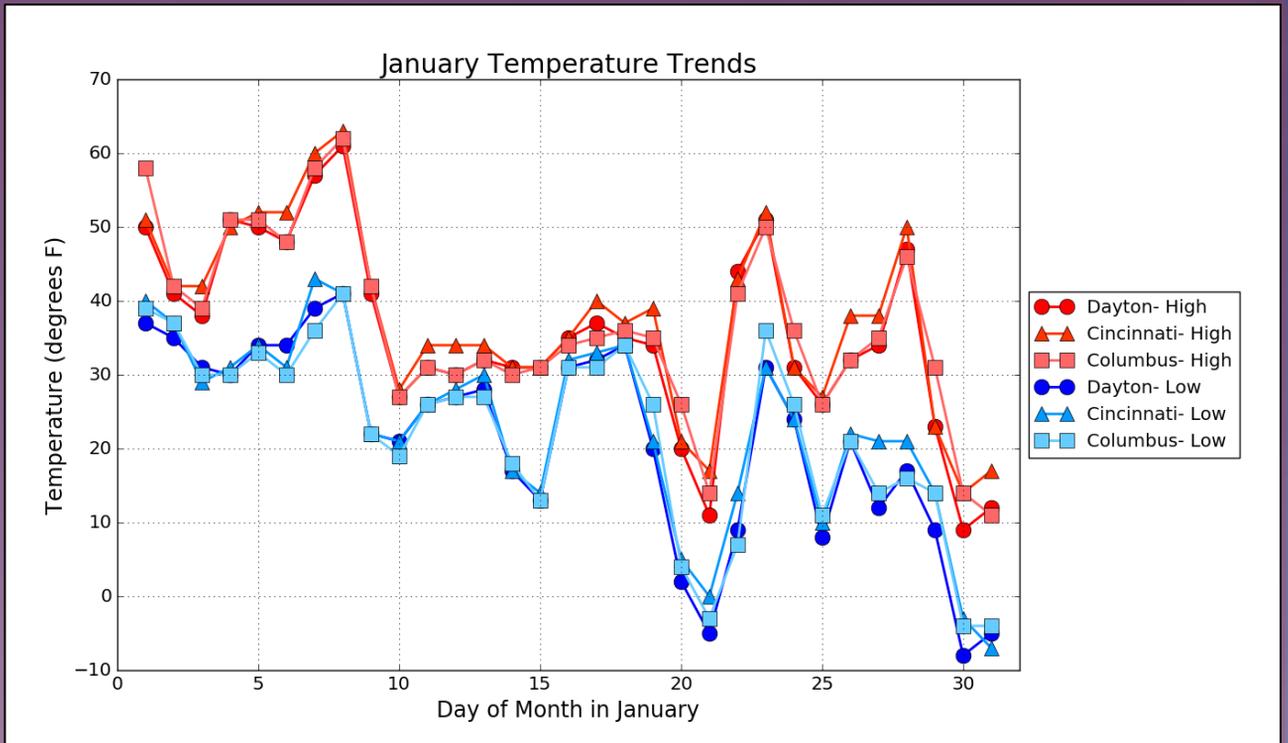
*A much cooler pattern developed towards the end of the month. Very cold temperatures and wind chill values were in place. Average temperatures were over 25 degrees below normal at times. Some locations did not make it out of the single digits for high temperatures and temperatures below zero were common.*

*Although temperatures on a whole ended up near normal for the month, this is very misleading as temperatures were well above normal for the start of the month and well below normal for the end of the month.*

Site	Avg Temp (°F)	Avg High Temp (°F)	Avg Low Temp (°F)	Departure From Normal (°F)	Maximum Temperature (°F)	Minimum Temperature (°F)
Cincinnati (CVG)	30.4°F	37.7°F	23.1°F	-0.4°F	63°F on 8th	-7°F on 31 <sup>st</sup>
Columbus (CMH)	29.4°F	36.6°F	22.2°F	-0.2°F	62°F on 8th	-4°F on 30/31
Dayton (DAY)	28.5°F	35.5°F	21.5°F	+1.0°F	61°F on 8th	-8°F on 30 <sup>th</sup>



# Temperatures (Continued)



# Precipitation

*With the warm temperatures at the start of the month, snowfall was very limited during the first week and a half. While most days during this timeframe had light or no precipitation, more widespread and a little heavier precipitation occurred on the 4<sup>th</sup>.*

*Much of the larger precipitation values for the month fell in the middle of the month. With the cooler temperatures, several days of the precipitation were in the form of snow. A record snowfall of 6.1 inches for the 12<sup>th</sup> at Dayton broke the old record for the day of 5.8 inches set in 1964 .*

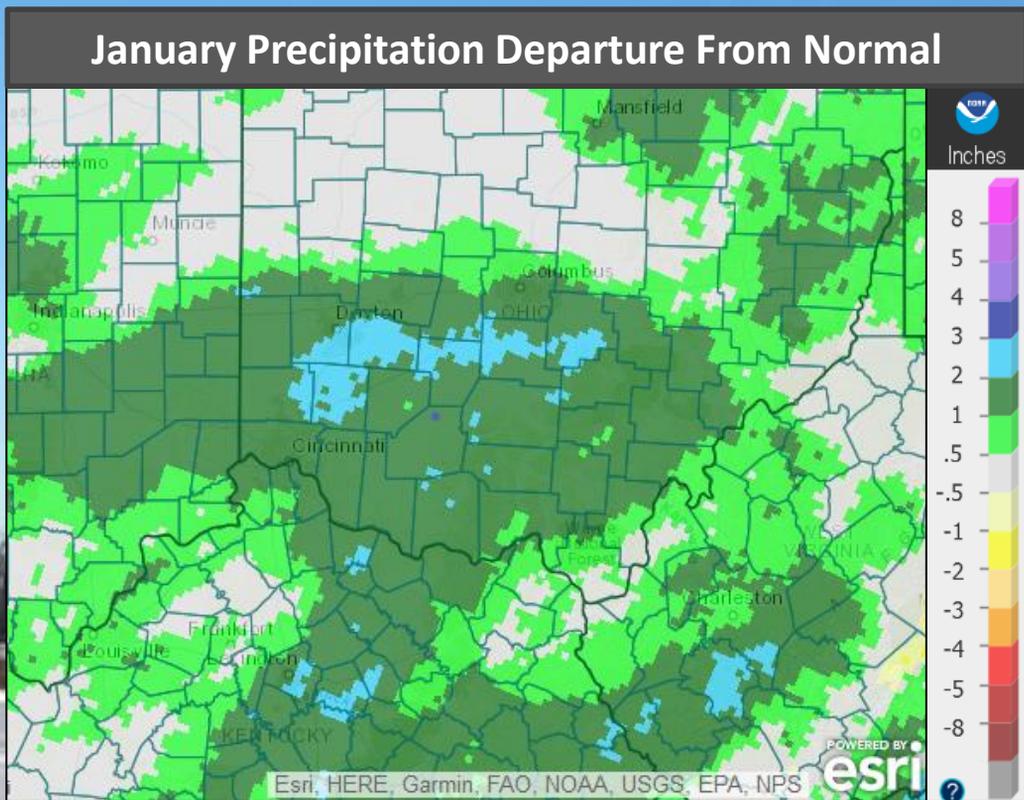
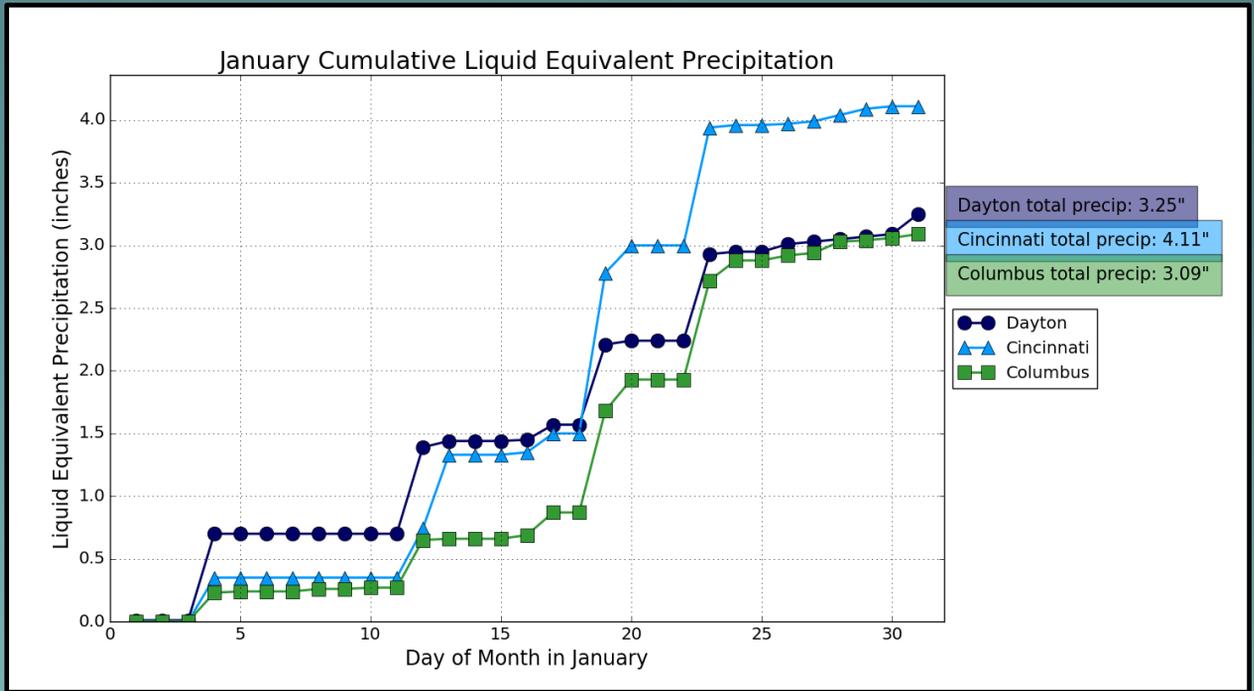
*Several days of lighter precipitation occurred towards the end of the month. Temperatures were well below normal for much of the later parts of the month and therefore several days of snowfall were present.*

*For the month, most of the area finished near normal to above normal for precipitation.*

Site	Total Precipitation (in.)	Departure From Normal (in.)	Max Daily Precipitation (in./date)		Total Snowfall (in.)	Max Daily Snowfall (in./date)	
Cincinnati (CVG)	4.11 in.	+1.11 in.	1.28 in.	19 <sup>th</sup>	14.6 in.	4.7 in.	13 <sup>th</sup>
Columbus (CMH)	3.09 in.	+0.36 in.	0.81 in.	19 <sup>th</sup>	11.3 in.	4.0 in.	12 <sup>th</sup>
Dayton (DAY)	3.25 in.	+0.54 in.	0.69 in.	4, 12, 23	14.4 in.	6.1 in.	12 <sup>th</sup>



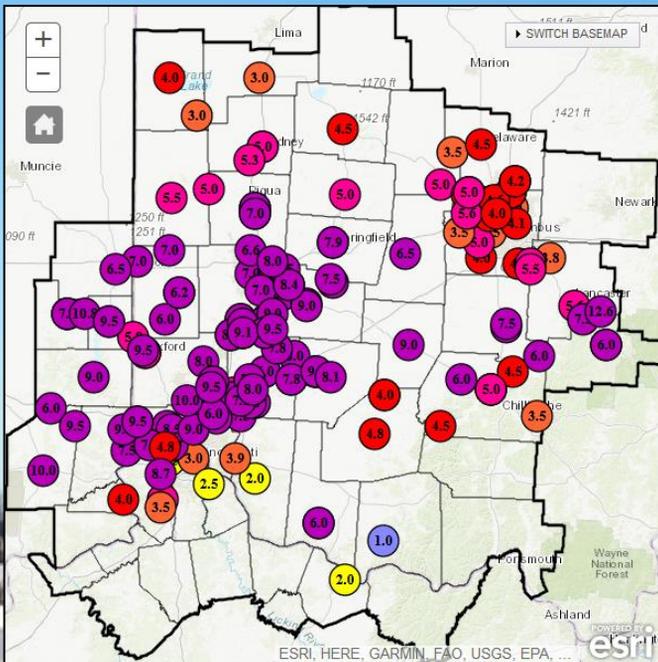
# Precipitation (Continued)



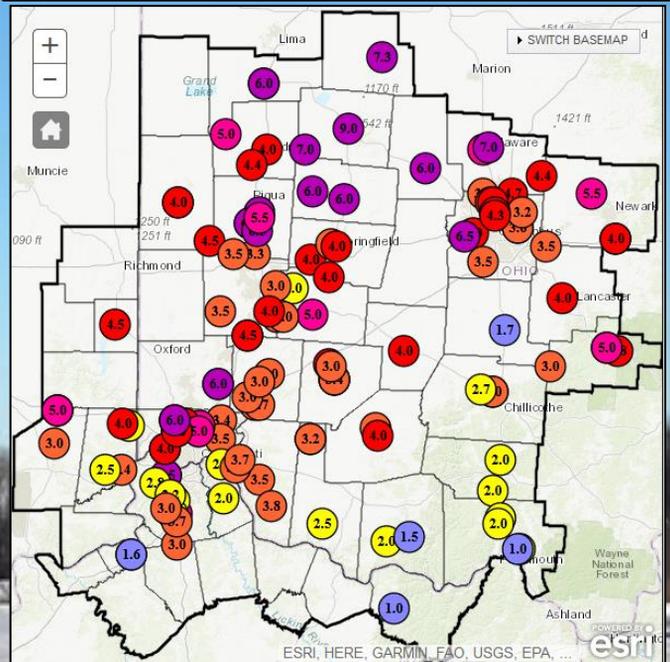
# Winter Weather

The warm start to January meant very little snowfall for the beginning of the month. That quickly changed for the middle and later parts of the month as more seasonable and then cooler than normal temperatures led to several accumulating snow events. Primarily heavy snow occurred on the weekend of January 12<sup>th</sup>-13<sup>th</sup>. A mix of rain, freezing rain, sleet, and snow occurred on the weekend of January 19<sup>th</sup> to 20<sup>th</sup>. Temperatures dropped quickly with this event and winds were very gusty allowing for blowing and drifting of snow in addition to very cold temperatures and wind chill values. Very cold temperatures and wind chills were present towards the end of the month. Snow squalls moved through on the 30<sup>th</sup>. This was the first time that NWS Wilmington, Ohio issued the new snow squall warning. Accumulating snow moved into the region late on the 31<sup>st</sup> and through the morning of February 1<sup>st</sup>.

## January 12-13, 2019



## January 19-20, 2019



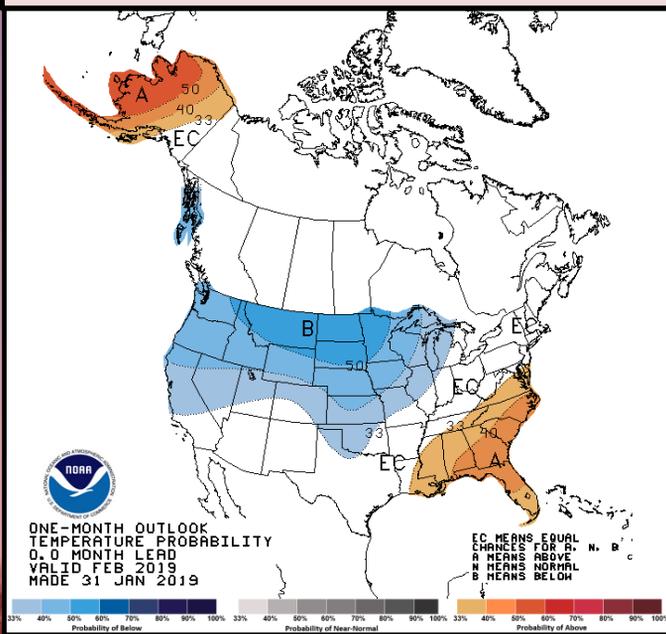
# February Outlook

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

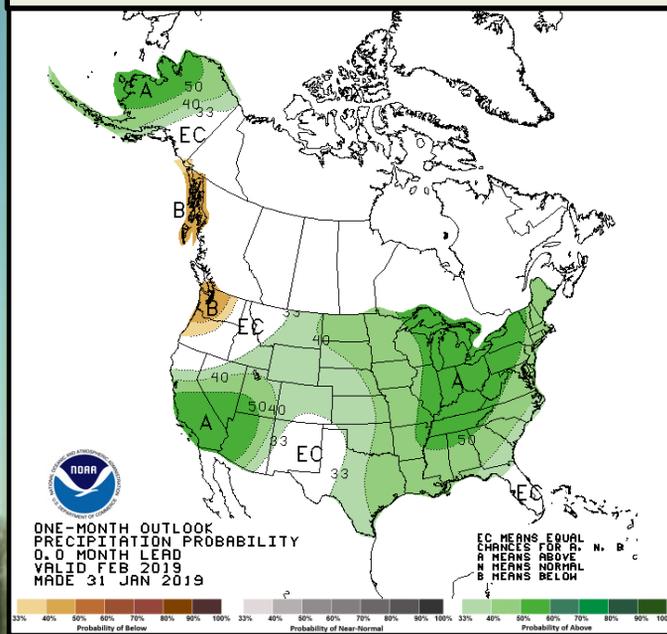
Site	Normal Avg Temp (°F)	Normal High (°F)	Normal Low (°F)
Cincinnati (CVG)	34.5°F	42.9°F	26.0°F
Columbus (CMH)	32.8°F	40.6°F	25.0°F
Dayton (DAY)	31.0°F	38.9°F	23.1°F

Site	Normal Precipitation (in.)	Normal Snowfall (in.)
Cincinnati (CVG)	2.81 in.	6.5 in.
Columbus (CMH)	2.25 in.	6.1 in.
Dayton (DAY)	2.24 in.	5.9 in.

## Upcoming Temperature Outlook



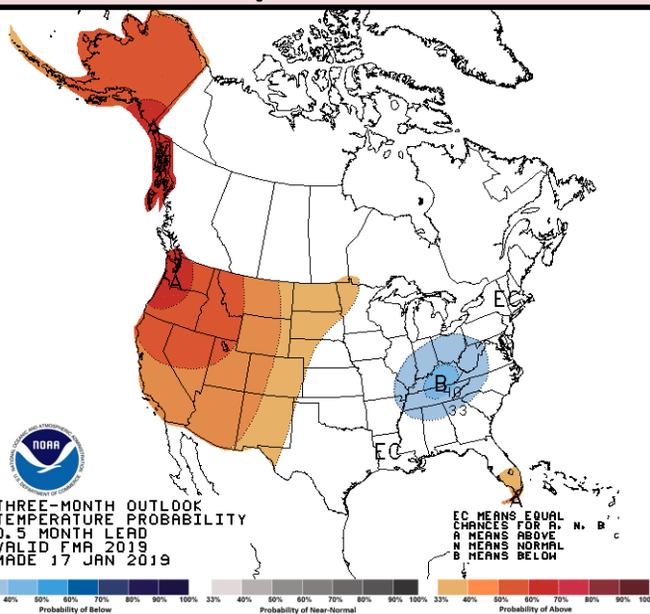
## Upcoming Precipitation Outlook



# February-April Outlook

*There is an increased likelihood of below normal temperatures and below normal precipitation during the February to April timeframe. The El Niño watch continues with a 65% chance of an El Niño developing and continuing through spring.*

### Three-Month (FMA) Temp. Outlook



### Three-Month (FMA) Precip. Outlook

