



NWS Wilmington, Ohio February 2021 Regional Climate Summary

Regional Climate Summary

Although the final week of the month featured near normal to above normal temperatures, below normal temperatures were present for a majority of the month of February. Several systems moved through during the month producing snow, sleet, and freezing rain. Snowfall values for the month were well above normal. The month ended on a wet note with widespread rain across the region. The month finished off with precipitation values being near to below normal across locations near and north of I-70. South of this area, above normal precipitation was more common.

Temperatures

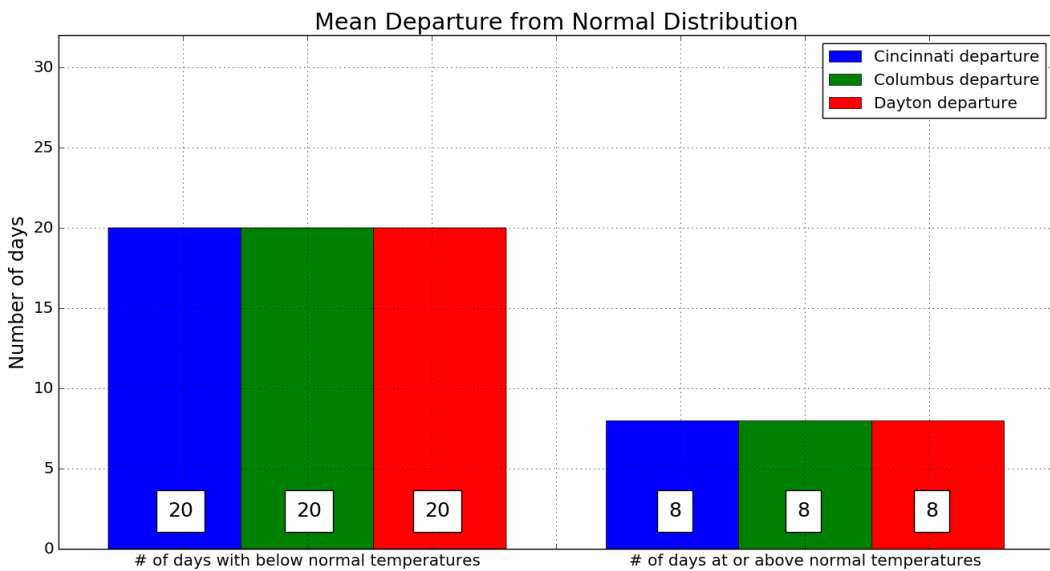
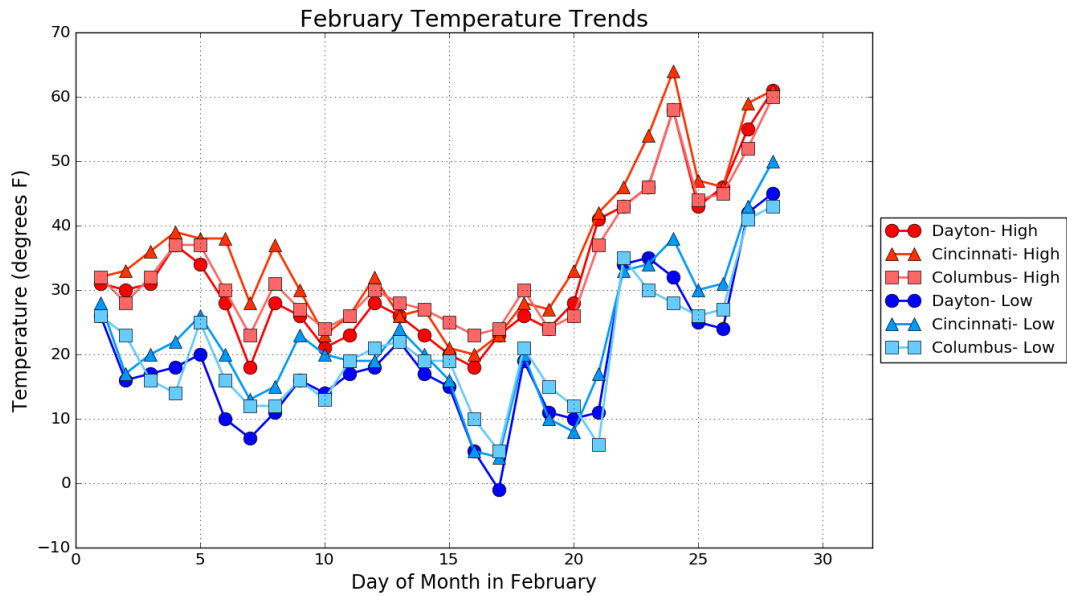
Temperatures were below normal almost every single day for the first three weeks of the month. Not only were temperatures below normal during this time, there was around a week or in some cases more, where the departure from normal was more than 10 degrees.

On the 17th, the combination of snowpack, light winds, and mostly clear skies allowed temperatures to drop below 0 in many locations and the single digits for others.

For the last week of the month, temperatures were near normal to above normal. The final week of warmer temperatures was not enough to offset the cool weather for the rest of the month. Temperatures for the month ended up being below normal.

Site	Avg Temp (°F)	Avg High Temp (°F)	Avg Low Temp (°F)	Departure From Normal (°F)	Maximum Temperature (°F)	Minimum Temperature (°F)
Cincinnati (CVG)	29.3°F	36.3°F	22.3°F	-5.2°F	64°F on 24 th	4°F on 17 th
Columbus (CMH)	27.2°F	33.9°F	20.4°F	-5.6°F	60°F on 28 th	5°F on 17 th
Dayton (DAY)	25.9°F	32.7°F	19.1°F	-5.1°F	61°F on 28 th	-1°F on 17 th

Temperatures (Continued)



Precipitation

There were very few dry days in the first few weeks of the month as several weather systems brought round after round of winter weather to the region. Accumulating snow, sleet, and freezing rain were all present. On the 15th, a record snowfall for the day was set at Dayton. 5.9 inches of snow fell breaking the old record of 4.3 inches that was set in 2003. This February ended up being the 2nd snowiest February on record at Cincinnati with 21.9 inches of snow.

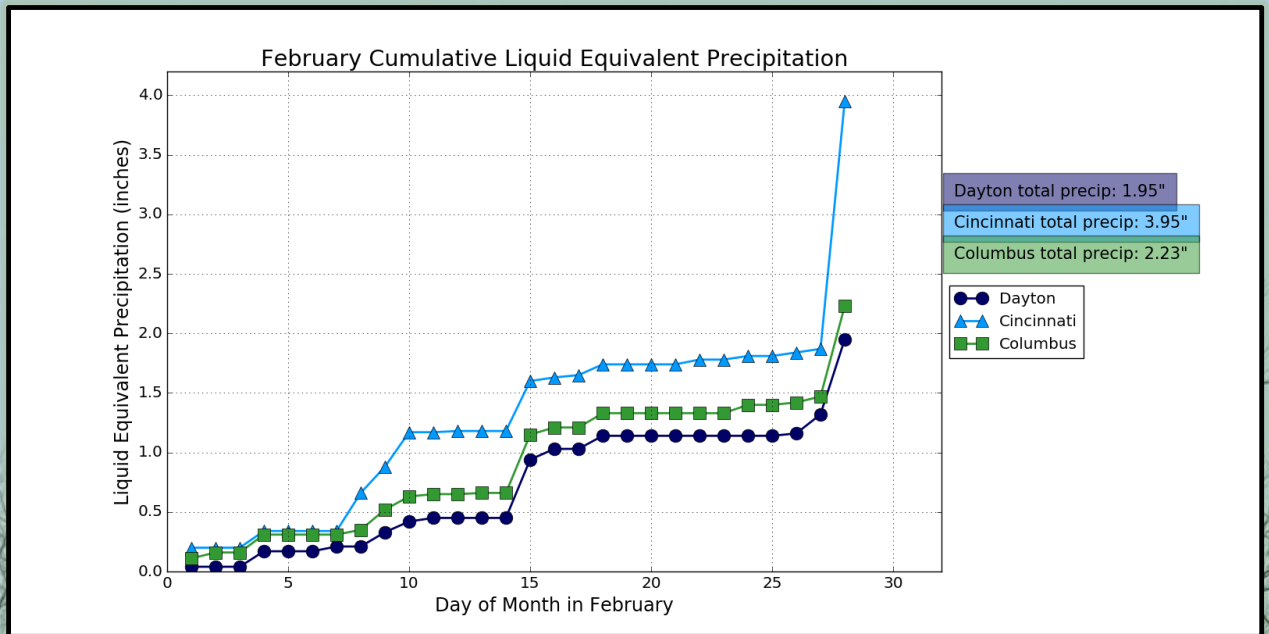
On the last day of the month, widespread rain moved across the region. Some of this rain was moderate to heavy, especially near and south of the Ohio River. This rainfall led to flooding in some of these area locations.

A daily record rainfall of 2.08 inches was set at Cincinnati for the 28th. This broke the old record of 1.57 inches set in 2017. At 2.08 inches, this rainfall is also the tenth wettest single day rainfall for the month of February in recorded history dating back to 1871. A record daily rainfall of 0.76 inches was set at Columbus on the 28th. This broke the old record of 0.56 inches set in 1954.

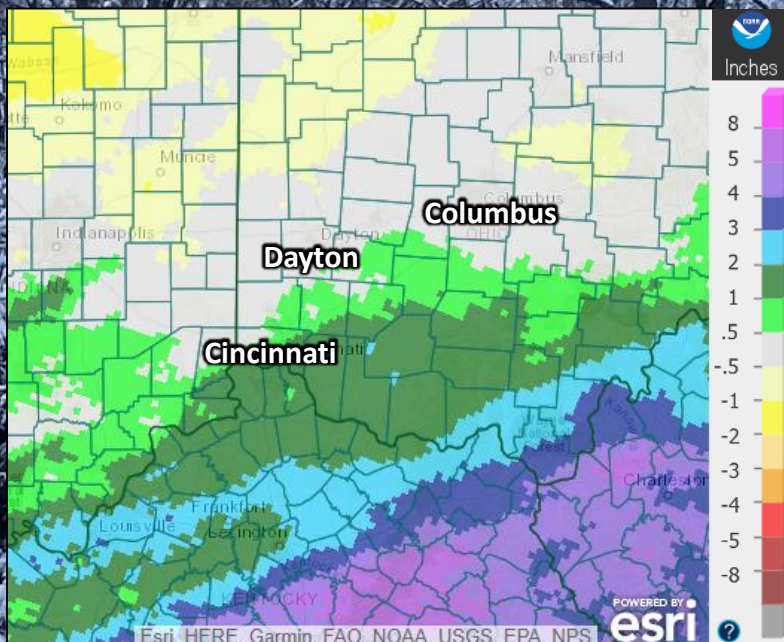
Site	Total Precipitation (in.)	Departure From Normal (in.)	Max Daily Precipitation (in./date)		Total Snowfall (in.)	Max Daily Snowfall (in./date)	
Cincinnati (CVG)	3.95 in.	+1.14 in.	2.08 in.	28 th	21.9 in.	5.7 in.	8 th
Columbus (CMH)	2.23 in.	-0.02 in.	0.76 in.	28 th	12.1 in.	2.3 in.	1 st
Dayton (DAY)	1.95 in.	-0.29 in.	0.63 in.	28 th	14.8 in.	5.9 in.	15 th



Precipitation (Continued)



February Precipitation Departure From Normal (In.)



Winter Weather

An upper level low pressure system moving through the Ohio Valley produced heavy snow along the I-71 corridor. The snow started to fall during the evening of February 8th and continued into the morning hours of February 9th. Six to 10 inches of snow fell across much of the I-71 corridor.

A mix of wintry precipitation affected the region on the 10th-11th, with a brief period of heavy snow extending from southeast Indiana through south-central Ohio, and icy conditions across northern and northeast Kentucky and far southern Ohio.

Storm Total Accumulations

Snow/Sleet

<1"

<2"

<3"

<4"

<5"

<6"

>=6"

Ice

<.1"

<.2"

<.3"

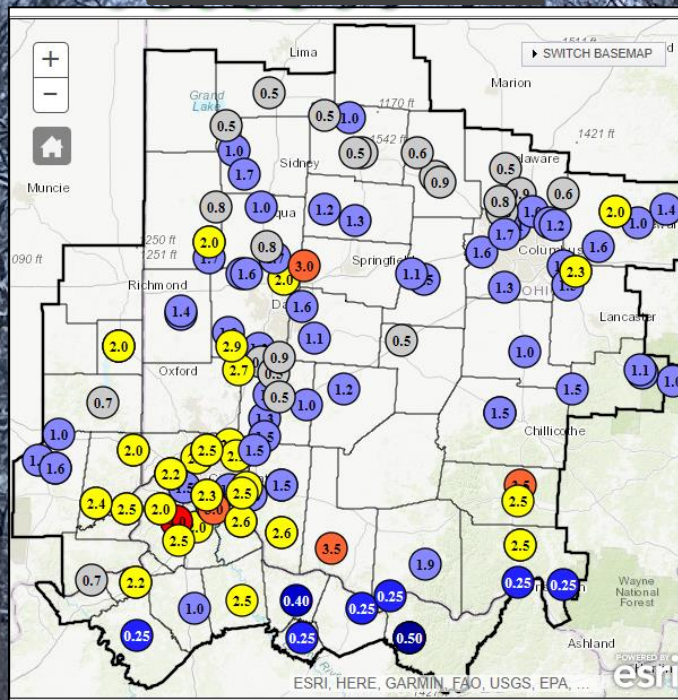
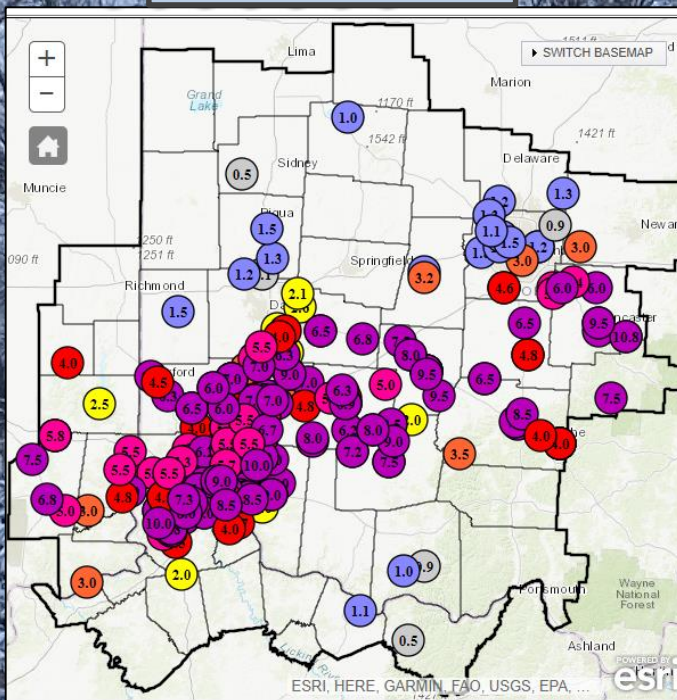
<.4"

<.5"

>=.5"

February 8th-9th

February 10th-11th



Winter Weather

A low pressure system moved through the Ohio Valley February 15th to 16th. Mainly snow fell northwest of the I-71 corridor with a mix of sleet and snow elsewhere.

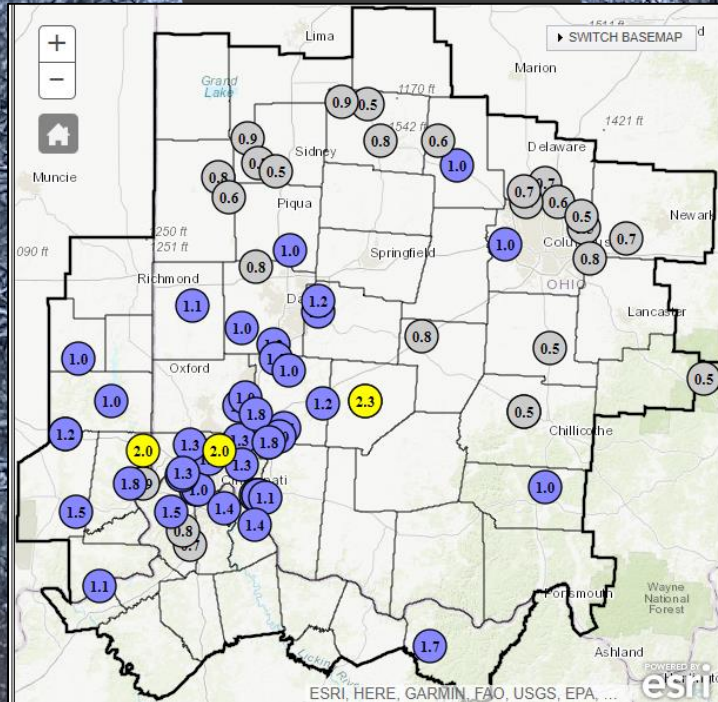
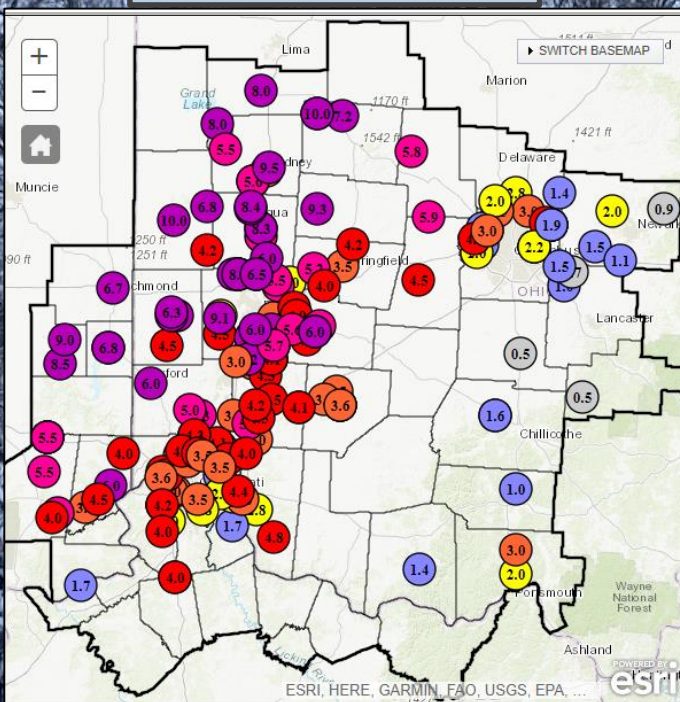
Light snow moved across the region on the 17th and 18th.

Storm Total Accumulations

Snow/Sleet <1" <2" <3" <4" <5" <6" >=6" Ice <.1" <.2" <.3" <.4" <.5" >=.5"

February 15th-16th

February 17th-18th



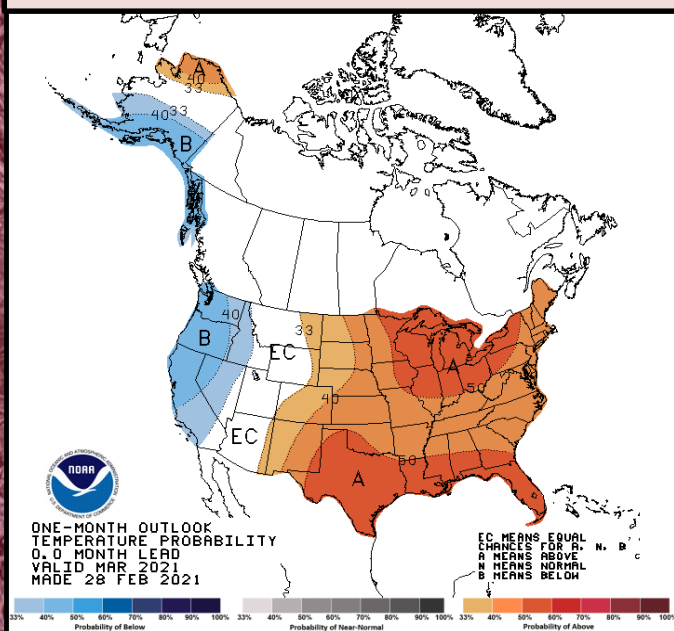
March Outlook

The latest outlook from the Climate Prediction Center indicates an increased likelihood of above normal temperatures and above normal precipitation across the entire region.

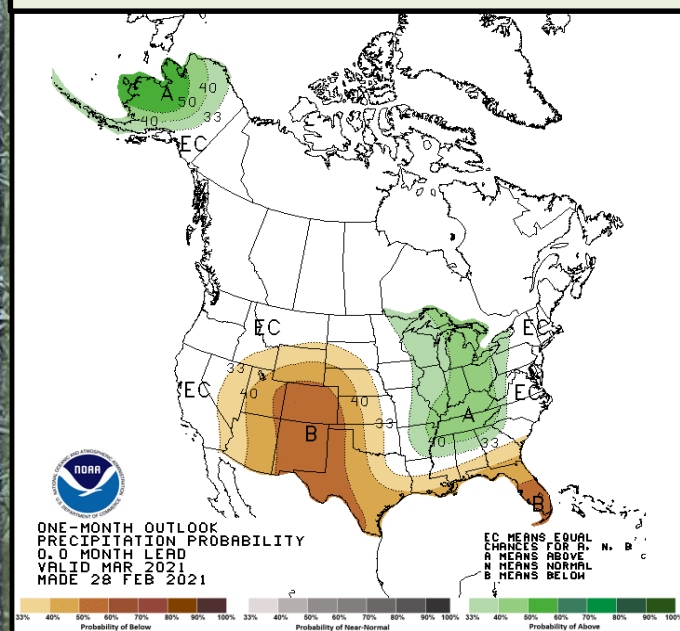
Site	Normal Avg Temp (°F)	Normal High (°F)	Normal Low (°F)
Cincinnati (CVG)	43.6	53.2	34.0
Columbus (CMH)	41.9	51.1	32.7
Dayton (DAY)	40.4	49.6	31.2

Site	Normal Precipitation (in.)	Normal Snowfall (in.)
Cincinnati (CVG)	3.96	3.0
Columbus (CMH)	3.02	4.2
Dayton (DAY)	3.34	3.4

Upcoming Temperature Outlook



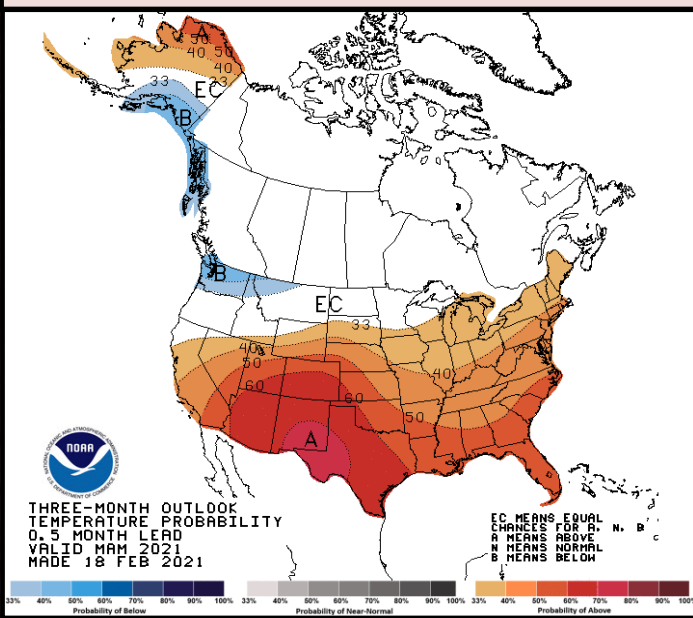
Upcoming Precipitation Outlook



March-May Outlook

A La Niña advisory is still in effect. There is a 60% chance of a transition from La Niña to ENSO neutral conditions during the spring. The March-May outlook calls for an increased likelihood of above normal temperatures and above normal precipitation.

Three-Month (MAM) Temp. Outlook



Three-Month (MAM) Precip. Outlook

