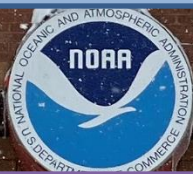




NWS Wilmington, Ohio

January 2025

Regional Summary



Regional Summary

January 2025 will long be remembered for the significant snowstorm near the beginning of the month and the extended period of cold through the first 3+ weeks. This resulted in a prolonged snowpack, which lingered most of the month for locales near and south of the I-70 corridor. Below normal temperatures prevailed through the 24th before a slightly more seasonable pattern evolved during the final week of January.

Temperatures

January 2025 was, overall, quite a cold month for the region.

Although the first few days featured near normal temperatures, colder air settled into the Ohio Valley from the 4th through the 10th. It was within this stretch that a significant snow storm impacted the area, depositing a healthy, deep snowpack for many areas, which undoubtedly kept the cold going a bit longer than would otherwise be the case.

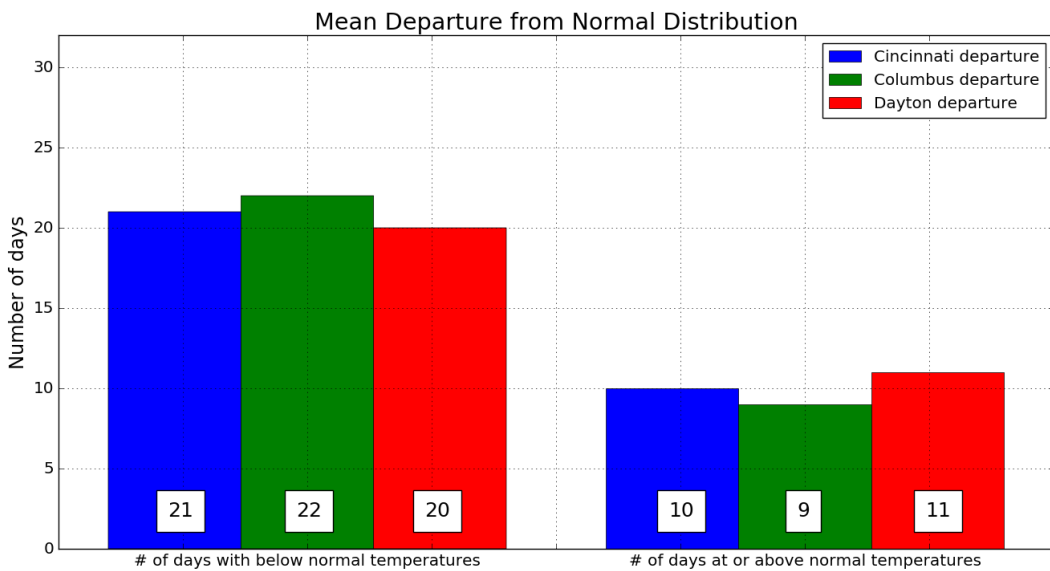
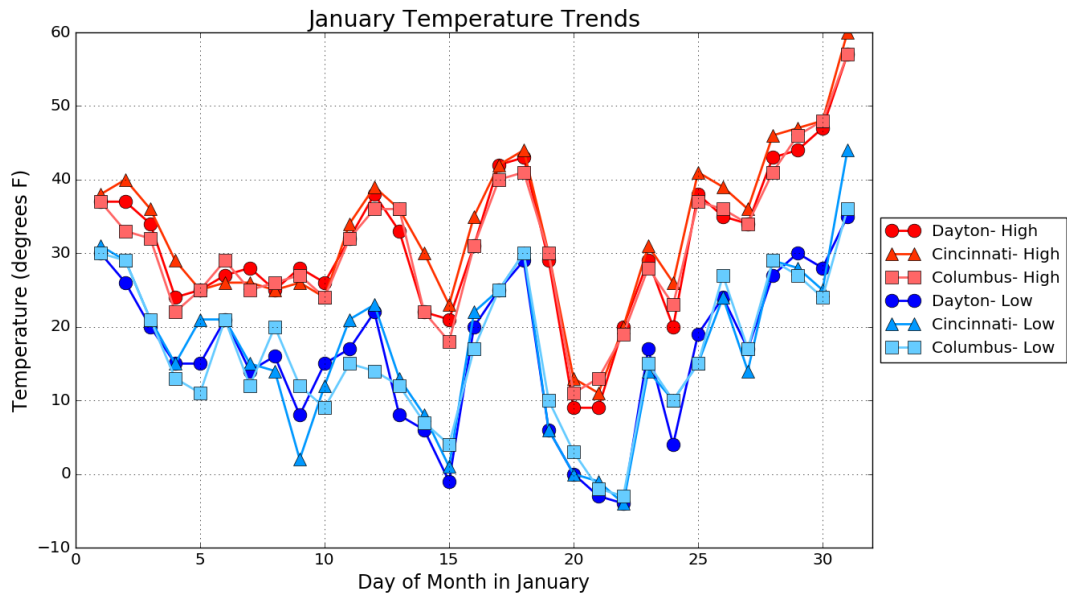
By the 11th, a slightly warmer (although still very seasonable) pattern evolved through the 18th before another Arctic outbreak evolved from the 19th through the 23rd. This stretch featured several days with below zero temperatures and wind chills between -10°F and -20°F. A slightly warmer pattern evolved toward the end of the month, with temperatures trending above normal.

Through the first 3 weeks (21 days) of January, the average daily temperature was 22.9°F at Cincinnati (CVG) and 21.9°F at Columbus (CMH), the coldest first 3 weeks of January at the each respective site since 1994. The two consecutive days (20th and 21st) at Dayton (DAY) where the temperature did not reach 10°F was the first such instance of back-to-back days without reaching 10°F at the site since 2018. Also, the 7 days of low temperatures dipping below 10°F at Cincinnati (CVG) and six (6) days at Columbus (CMH) was the most in a single calendar month at each respective site since January of 2018 (10).

Site	Avg Temp (°F)	Avg High Temp (°F)	Avg Low Temp (°F)	Departure From Normal (°F)	Maximum Temperature (°F)	Minimum Temperature (°F)
Cincinnati (CVG)	25.1°F	33.1°F	17.0°F	-6.3°F	60 on 31 st	-4°F on 22 nd
Columbus (CMH)	23.7°F	30.9°F	16.5°F	-5.9°F	57°F on 31 st	-3°F on 22 nd
Dayton (DAY)	23.8°F	31.2°F	16.3°F	-5.6°F	57°F on 31 st	-4°F on 22 nd



Temperatures (Continued)



Precipitation

With a significant portion of the month observing below normal temperatures, snowfall occurrences were quite often. Despite the frequent occurrence of snowfall and the major winter storm during the beginning of the month, a deficit in liquid precipitation amounts were observed compared to normal. The first week of the month brought the most significant snow accumulations, with a large swath of 6 to 10" with locally higher amounts, setting daily records at Cincinnati and Dayton. A few days later, another snowfall event resulted in 2 to 4 inches area wide, setting another snowfall record in Dayton.

A daily record snowfall was set at Cincinnati on January 6th of 4.2", breaking the old daily record of 3.5" back in 1981. A daily record snowfall of 2.7" was tied (1903) at Dayton on January 5th. A record snowfall of 3.8" was set at Dayton on January 10th, breaking the old record of 3.7" back in 1985.

Additional periods of light snow would help increase monthly totals, resulting in above normal snowfall for the month for all three sites. A steady rainfall event provided rainfall amounts over one inch along and south of the Ohio River, but it was not enough to erase the precipitation deficit for the month. Another rain event evolved across the region from the 30th through the 31st, bringing less than a quarter of an inch of rain for locales near/south of the Ohio River to over an inch of rain in far southern parts of the local area in northern Kentucky.

Site	Total Precipitation (in.)	Departure From Normal (in.)	Max Daily Precipitation (in./date)		Total Snowfall (in.)	Max Daily Snowfall (in./date)	
Cincinnati (CVG)	1.99 in.	-1.31 in.	0.59 in.	5 th	15.6 in.	6.4 in.	6 th
Columbus (CMH)	1.16 in.	-1.84 in.	0.24 in.	18 th	11.8 in.	2.4 in.	6 th
Dayton (DAY)	1.25 in.	-1.83 in.	0.28 in.	5 th	14.3 in.	4.0 in.	6 th



Precipitation (Continued)

January Cumulative Liquid-Equivalent Precipitation

Dayton total precip: 1.25"
Cincinnati total precip: 1.99"
Columbus total precip: 1.16"

Legend:
● Dayton
▲ Cincinnati
■ Columbus

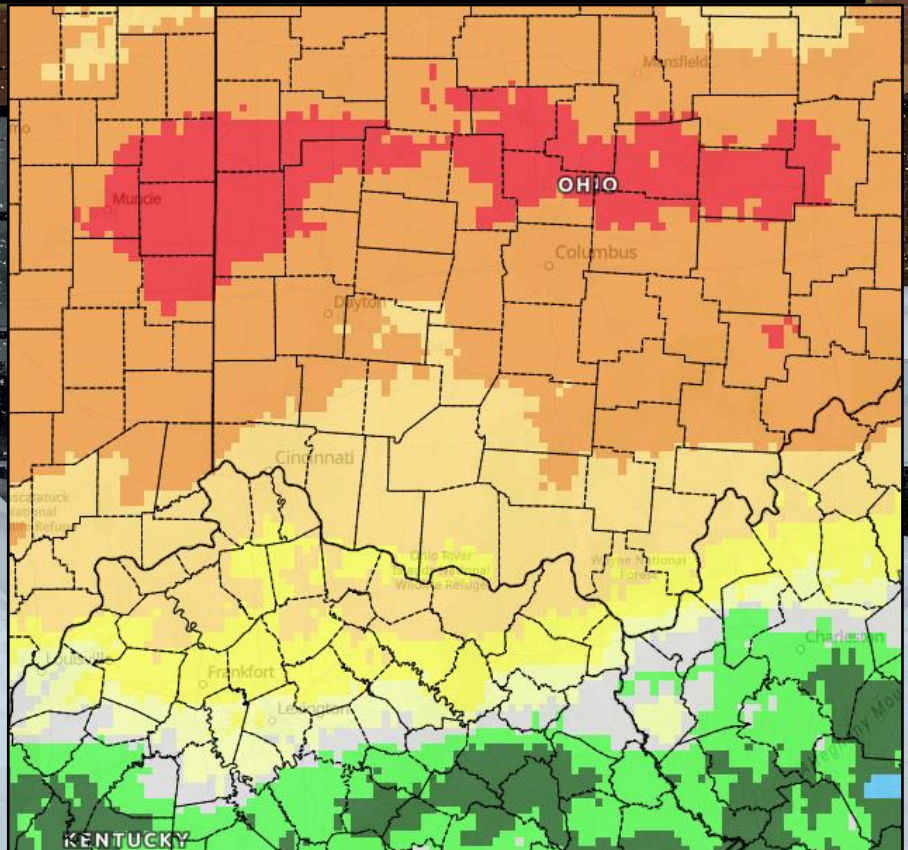
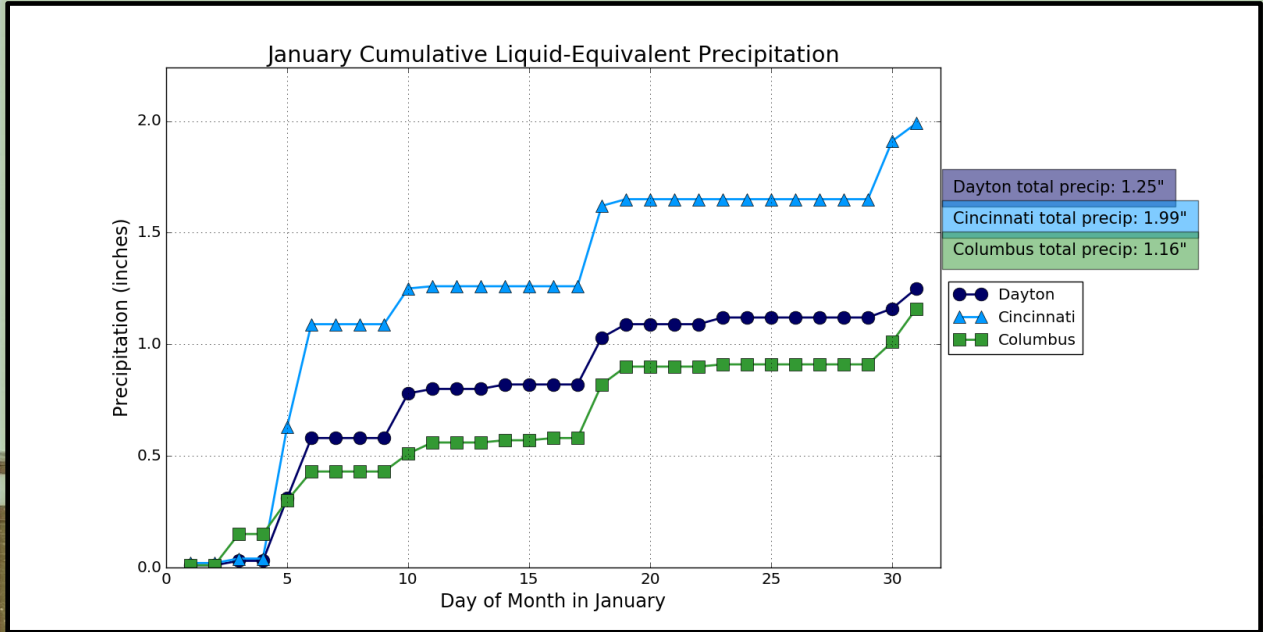
Y-axis: Precipitation (inches)
X-axis: Day of Month in January

RAINFALL (percentage)

- Greater than or equal to 600
- 400 to 600
- 300 to 400
- 200 to 300
- 150 to 200
- 125 to 150
- 110 to 125
- 100 to 110
- 90 to 100
- 75 to 90
- 50 to 75
- 25 to 50
- 10 to 25
- 5 to 10
- 0 to 5
- Missing data

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NATIONAL WEATHER SERVICE

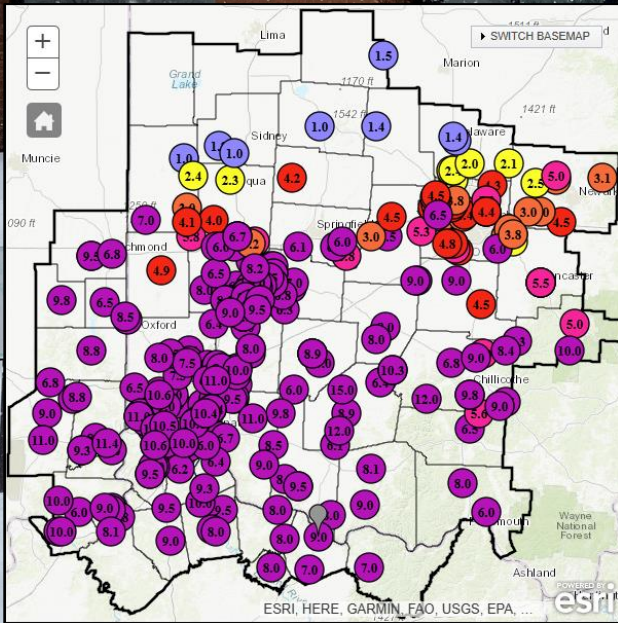


Winter Weather

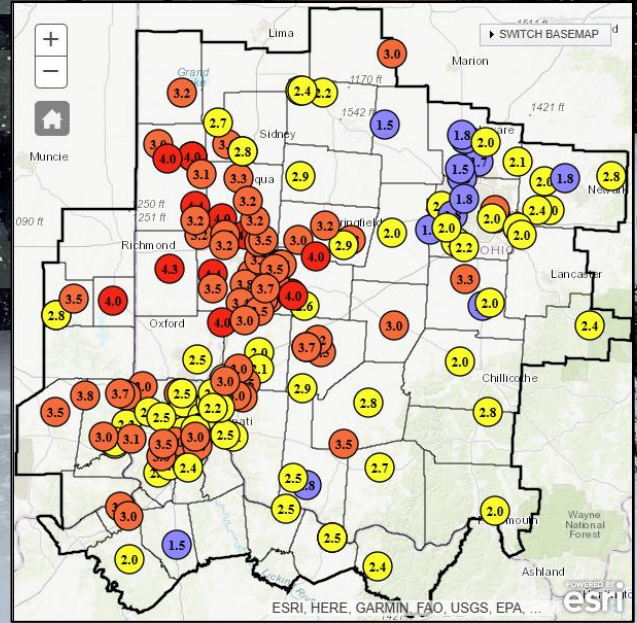
A low pressure system moving through the Tennessee Valley produced widespread heavy snow across the region from the 5th to the 6th. Some sleet and freezing rain mixed with the snow along and south of the Ohio River. Another round of snow moved through from the 10th to the 11th, adding to the snowpack around the region. Snow squalls moved through the region on the 19th bringing reduced visibility and slick conditions to portions of the region.

While there were additional light snowfall episodes during the month, these were the more significant winter weather events. With the seasonably cold temperatures during the month, snowpack remained on the ground for several weeks.

January 5th to 6th Snow and Ice



January 10th to 11th Snow



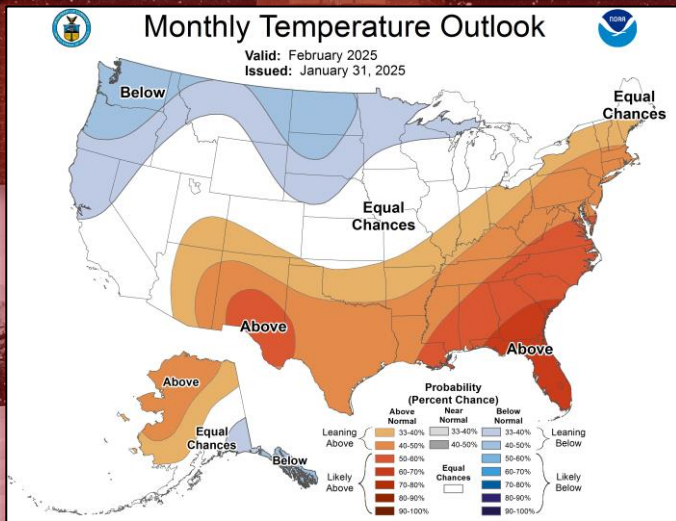
February Outlook

The latest outlook for February indicates favorable probabilities for above normal temperature and precipitation across the Ohio Valley.

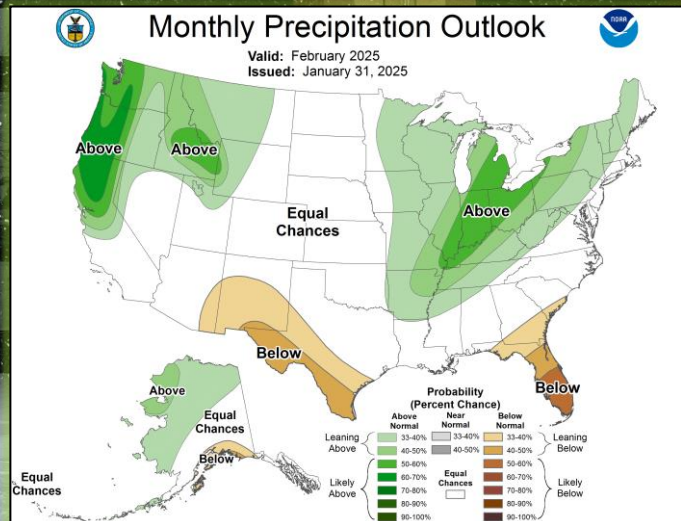
Site	Normal Avg Temp (°F)	Normal High (°F)	Normal Low (°F)
Cincinnati (CVG)	34.7	43.7	25.8
Columbus (CMH)	32.5	40.8	24.2
Dayton (DAY)	32.8	41.2	24.5

Site	Normal Precipitation (in.)	Normal Snowfall (in.)
Cincinnati (CVG)	3.17	6.7
Columbus (CMH)	2.41	7.6
Dayton (DAY)	2.35	6.6

Upcoming Temperature Outlook



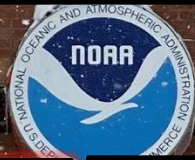
Upcoming Precipitation Outlook



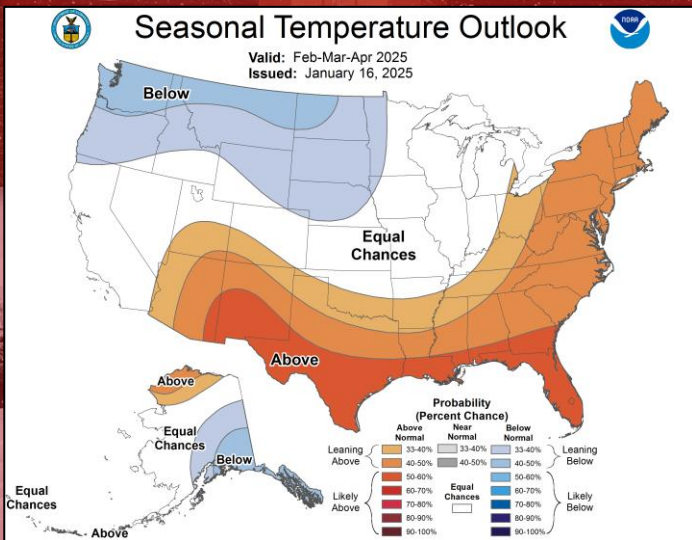
February-April Outlook

La Niña conditions are present and there is a 59% chance of La Niña conditions continuing through the February to April timeframe. A transition to ENSO-neutral is likely (60%) during the March to May timeframe.

There is an increased likelihood of above normal temperatures and above normal precipitation for the February to April outlook.



Three-Month (FMA) Temp. Outlook



Three-Month (FMA) Precip. Outlook

