

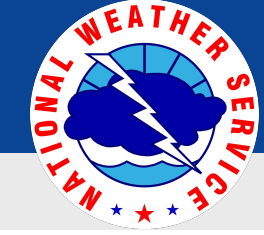
2024 Annual Weather Summary

Southern Indiana and Central Kentucky



Photo: The Ohio River between Louisville and Clarksville June 27, 2024





Top Events

January 12, 2025
8:37 PM

January 19: Two to four inches of snow blanketed southern Indiana and north central Kentucky. The snow was followed by sub-zero temperatures for many on the 20th and 21st.

January 25: The temperature at Lexington rose to 64° just four days after having fallen to -7°.

February 10: Two brief pre-dawn EF-1 tornadoes struck Clark County, Indiana and Henry County, Kentucky.

March 14-15: An EF2 tornado struck Hanover, Indiana and Milton, Kentucky on the 14th. The twister crossed the Ohio River three times. That night a squall line brought 50-60 mph winds.

March 28: After a couple of days in the 70s, a sharp cold front produced powerful storms and brought a stripe of wind damage and hail from Hancock and Ohio counties through the Lexington metro during the early morning hours. Temperatures behind the front crashed 30 to 40 degrees in a matter of several hours.

April 2: Ten tornadoes struck the region, including an EF2 from west of Utica to east of Prospect, and another EF2 near Buckner.

May 7: An isolated shower that wasn't even producing any lightning managed to spin up a small tornado in Clark County, Indiana.

May 8: The Kentucky counties of Logan, Barren, Butler, Hart, Green, and Grayson all received golf ball sized hail from severe storms.

May 26: Two waves of storms brought widespread damaging winds and several tornadoes, including an EF1 that was on the ground for 41 miles.

June 4: Storms moving from south to north caused spotty flash flooding. Cars were submerged near the intersection of Seventh St and Berry Blvd in Louisville.

July 4: Brief tornadoes touched down on the west side of Louisville and in Harrison County, Indiana.

August 17: A line of storms pushed through the Bluegrass and produced a wind gust of 82 mph near Winchester.

August 21-23: Unusually cool summer weather led to some locations seeing temperatures in the upper 40s. Meade County fell to 44° on the 22nd.

August 29-30: Two of the hottest days of the year. Louisville made it to 102° on the 29th and 100° on the 30th.

September 24: A brief EF0 tornado struck Clark County, Indiana. Also, drought conditions peaked across the region.

September 27-29: The remnants of Hurricane Helene brought 2-6" of soaking rains to the Ohio Valley, ending the summer drought. On the 27th winds up to 65 mph were recorded.

October 31: One of only two days in October on which rain fell in Bowling Green and Louisville.

November 30: November ended on a cold note with morning temperatures in the teens. Shelby County dropped to 14°.





Top Events

January 12, 2025
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	Bowling Green	Frankfort	Lexington	Louisville Ali	Louisville Bowman
Highest Temperature	101° August 29	98° August 30	98° August 30	102° August 29	98° August 29
Lowest Temperature	1° January 21	-6° January 21	-7° January 21	3° January 20	2° January 20 and January 21
Daily Average Temperature Most Above Normal	+23° February 27	+25° January 25	+27° January 25	+23° January 25, February 27, and March 4	+23° January 25 and March 4
Daily Average Temperature Most Below Normal	-25° January 16 and January 20	-26° January 20	-25° January 20	-24° January 15	-25° January 15 and January 20
Wettest Day	2.97" September 27	1.95" September 27	2.29" September 27	2.26" September 27	2.15" September 24
Snowiest Day	2.0" January 14 and January 15		2.0" January 19	2.7" January 19	
Deepest Snow Cover	3" January 15-17		4" January 20	2" January 19-20	
Fastest Wind Gust	52 mph January 12	56 mph July 31	65 mph September 27	62 mph April 18 and May 26	63 mph May 26





Averages, Departures, & Records

January 12, 2025
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Station Values

	Average Temperature*	Departure from Normal	Precipitation	Departure from Normal	Snow	Departure from Normal
Bowling Green	61.8°	+2.7°	51.68"	+1.58"	5.1"	-3.4"
Frankfort	58.8°	+2.3°	45.65"	-1.69"		
Lexington	59.8°	+3.5°	49.87"	+0.03"	10.2"	-4.3"
Louisville Ali	61.9°	+3.0°	48.23"	-0.11"	5.3"	-8.1"
Louisville Bowman	59.1°	+1.3°	50.44"	+2.32"		

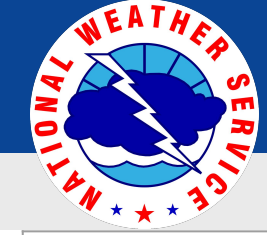
Records

- Warmest year on record at Lexington and Louisville
- 2nd warmest year on record at Bowling Green and Frankfort

*Calculated as an average of monthly averages

Source: [NWS Louisville Climate](#)

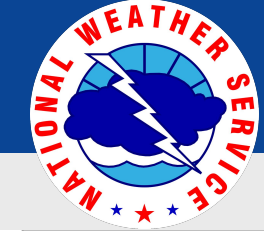




Louisville City Summary

January 12, 2025
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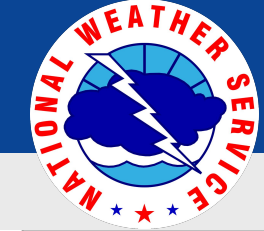
	Average Temperature	Departure from Normal	Precipitation	Departure from Normal	Snowfall	Departure from Normal
January	34.7	-1.0	6.53"	+3.14"	4.1"	-0.4"
February	47.3	+7.8	1.63"	-1.78"	0.4"	-3.7"
<i>Winter</i>	<i>42.4</i>	<i>+4.1</i>	<i>10.02"</i>	<i>-0.91"</i>	<i>4.6"</i>	<i>-6.2"</i>
March	53.2	+4.8	2.31"	-2.29"	Trace	-2.1"
April	62.2	+3.2	4.93"	+0.13"	0	-0.1"
May	71.9	+3.6	6.07"	+0.89"	0	0
<i>Spring</i>	<i>62.4</i>	<i>+3.8</i>	<i>13.31"</i>	<i>-1.27"</i>	<i>Trace</i>	<i>-2.2"</i>
June	78.5	+2.1	1.78"	-2.49"	0	0
July	80.3	+0.4	5.91"	+1.86"	0	0
August	80.0	+1.1	0.99"	-2.72"	0	0
<i>Summer</i>	<i>79.6</i>	<i>+1.2</i>	<i>8.68"</i>	<i>-3.35"</i>	<i>0</i>	<i>0</i>
September	75.1	+3.1	6.71"	+3.05"	0	0
October	63.6	+3.3	0.36"	-3.36"	T (hail)	0
November	53.6	+5.1	7.20"	+3.78"	0.6"	+0.3"
<i>Autumn</i>	<i>64.1</i>	<i>+3.8</i>	<i>14.27"</i>	<i>+3.47"</i>	<i>0.6"</i>	<i>+0.2"</i>
December	42.7	+3.1	3.81"	-0.32"	0.2"	-2.0"
<i>ANNUAL</i>	<i>61.9</i>	<i>+3.0</i>	<i>48.23"</i>	<i>-0.11"</i>	<i>5.3"</i>	<i>-8.1"</i>



Lexington City Summary

January 12, 2025
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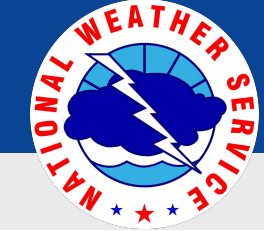
	Average Temperature	Departure from Normal	Precipitation	Departure from Normal	Snowfall	Departure from Normal
January	33.9	0	6.05"	+2.63"	5.4"	+0.7"
February	45.4	+7.9	4.55"	+0.91"	1.5"	-3.0"
<i>Winter</i>	<i>41.1</i>	<i>+4.7</i>	<i>13.04"</i>	<i>+1.78"</i>	<i>6.9"</i>	<i>-4.2"</i>
March	51.0	+5.1	3.61"	-0.87"	Trace	-2.8"
April	59.8	+3.6	4.40"	-0.02"	0	-0.2"
May	69.3	+3.9	5.68"	+0.24"	0	0
<i>Spring</i>	<i>60.0</i>	<i>+4.2</i>	<i>13.75"</i>	<i>-0.59"</i>	<i>Trace</i>	<i>-3.0"</i>
June	76.1	+2.8	3.03"	-1.93"	0	0
July	78.9	+2.2	3.99"	-1.13"	0	0
August	76.9	+1.2	3.46"	-0.25"	0	0
<i>Summer</i>	<i>77.3</i>	<i>+2.1</i>	<i>10.48"</i>	<i>-3.31"</i>	<i>0</i>	<i>0</i>
September	72.1	+3.0	6.33"	+2.91"	0	0
October	60.6	+2.8	0.43"	-3.23"	0	0
November	52.3	+6.2	4.14"	+0.77"	1.7"	+1.3"
<i>Autumn</i>	<i>61.7</i>	<i>+4.0</i>	<i>10.90"</i>	<i>0.45"</i>	<i>1.7"</i>	<i>+1.3"</i>
December	41.3	+3.5	4.20"	0	1.6"	-0.3"
<i>ANNUAL</i>	<i>59.8</i>	<i>+3.5</i>	<i>49.87"</i>	<i>+0.03"</i>	<i>10.2"</i>	<i>-4.3"</i>



Bowling Green City Summary

January 12, 2025
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	Average Temperature	Departure from Normal	Precipitation	Departure from Normal	Snowfall	Departure from Normal
January	34.9	-2.3	5.80"	+2.16"	4.6"	+1.4"
February	48.0	+6.9	3.25"	-0.82"	0.2"	-2.7"
<i>Winter</i>	42.4	+2.8	11.20"	-0.86"	4.8"	-2.1"
March	53.9	+4.7	1.98"	-2.56"	0	-1.4"
April	62.5	+3.5	5.07"	+0.26"	0	-0.1"
May	70.7	+2.7	7.26"	+2.23"	0	0
<i>Spring</i>	62.4	+3.7	14.31"	-0.07"	0	-1.5"
June	77.7	+1.6	2.86"	-1.65"	0	0
July	80.1	+0.4	7.86"	+3.60"	0	0
August	78.9	+0.4	1.43"	-2.46"	0	0
<i>Summer</i>	78.9	+0.8	12.15"	-0.51"	0	0
September	73.7	+2.3	5.82"	+2.18"	0	0
October	63.3	+3.3	0.40"	-3.23"	0	0
November	54.3	+5.9	4.03"	+0.30"	Trace	-0.1"
<i>Autumn</i>	63.8	+3.9	10.25"	-0.75"	Trace	-0.1"
December	43.6	+3.1	5.92"	+1.57"	0.3"	-0.5
<i>ANNUAL</i>	61.8	+2.7	51.68"	+1.58"	5.1"	-3.4"



Frankfort City Summary

January 12, 2025
8:37 PM

	Average Temperature	Departure from Normal	Precipitation	Departure from Normal
January	32.8	-1.3	5.96"	+2.69"
February	44.5	+6.7	2.46"	-0.94"
<i>Winter</i>	<i>39.8</i>	<i>+3.1</i>	<i>10.49"</i>	<i>+0.05</i>
March	49.7	+3.5	3.01"	-1.71"
April	59.2	+2.5	5.43"	+0.88"
May	68.5	+3.0	5.48"	+0.38"
<i>Spring</i>	<i>59.1</i>	<i>+3.0</i>	<i>13.92"</i>	<i>-0.45"</i>
June	74.9	+1.2	1.80"	-2.54"
July	77.8	+0.6	3.04"	-1.65"
August	76.1	0	3.79"	+0.64"
<i>Summer</i>	<i>76.3</i>	<i>+0.6</i>	<i>8.63"</i>	<i>-3.55"</i>
September	71.4	+2.2	5.86"	+2.51"
October	59.4	+1.8	0.28"	-3.36"
November	51.2	+5.1	3.81"	+0.45"
<i>Autumn</i>	<i>60.7</i>	<i>+3.1</i>	<i>9.95"</i>	<i>-0.40"</i>
December	40.2	+2.1	4.73"	+0.96"
<i>ANNUAL</i>	<i>58.8</i>	<i>+2.3</i>	<i>45.65"</i>	<i>-1.69"</i>



Photos

January 12, 2025
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Darkness in Paoli, Indiana during the total solar eclipse on April 8. *Photo by Evan Webb*



Sunrise in Oldham County on December 12. *Photo by Ryan Sharp*



Sunset over Louisville June 27. *Photo by Tom Reaugh*



National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Louisville, KY



Photos

January 12, 2025
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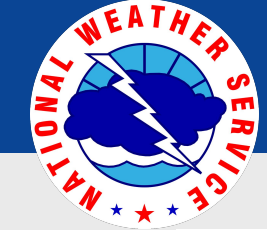


Flying over central Kentucky toward Louisville Muhammad Ali International Airport on May 28 (left), and an evening at Slugger Field between rain delays on July 9 (above). *Photos by CJ Padgett*



National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Louisville, KY

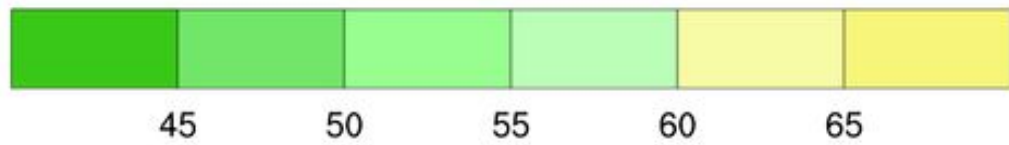
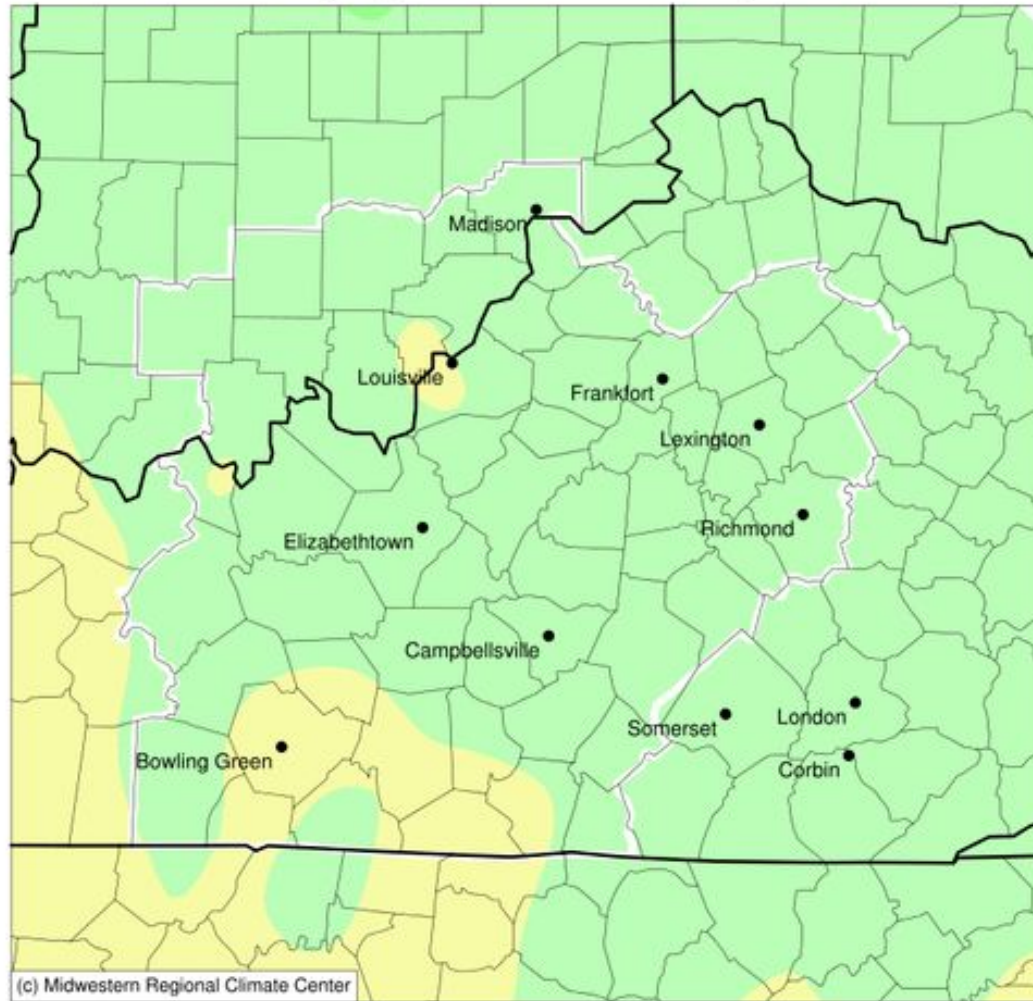


Temperature Maps

January 12, 2025
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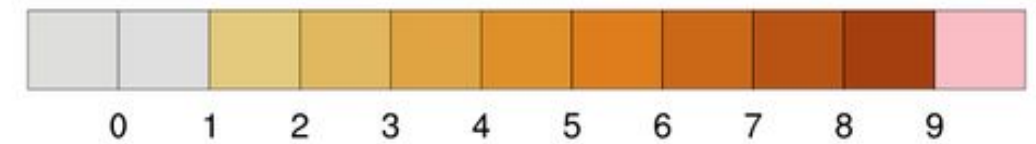
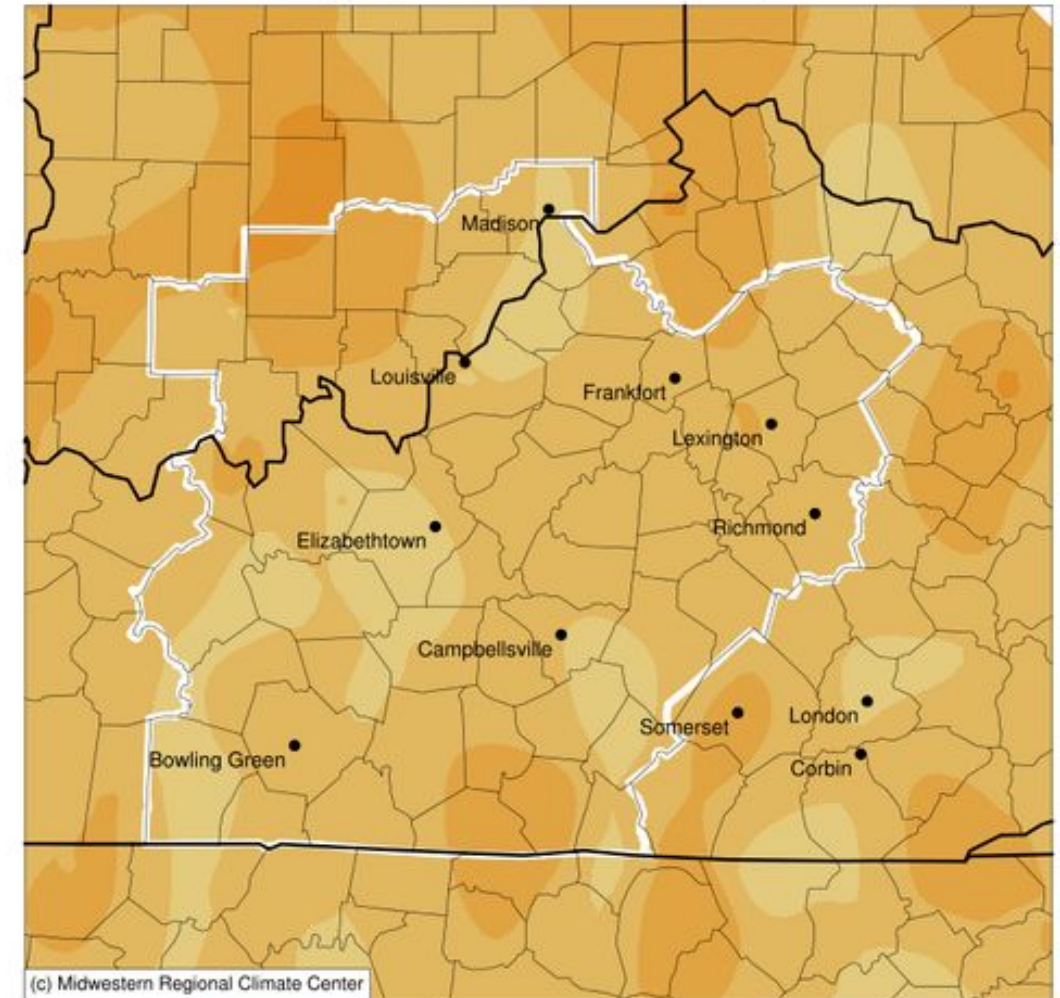
Average Temperature (°F) *

January 01, 2024 to December 31, 2024



Average Temperature (°F): Departure from 1991-2020 Normals

January 01, 2024 to December 31, 2024



*Calculated as an average of daily averages

Source: [MRCC](#)

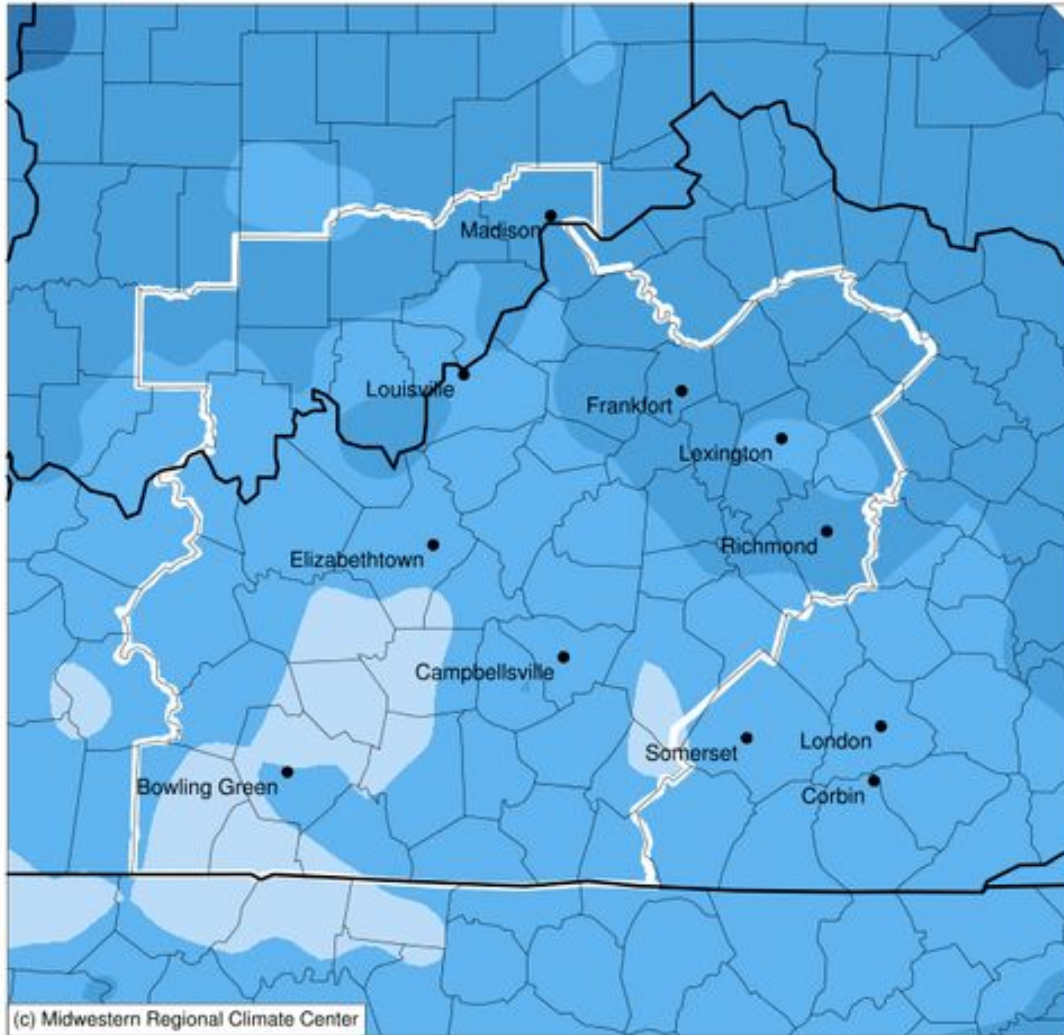




Precipitation Maps

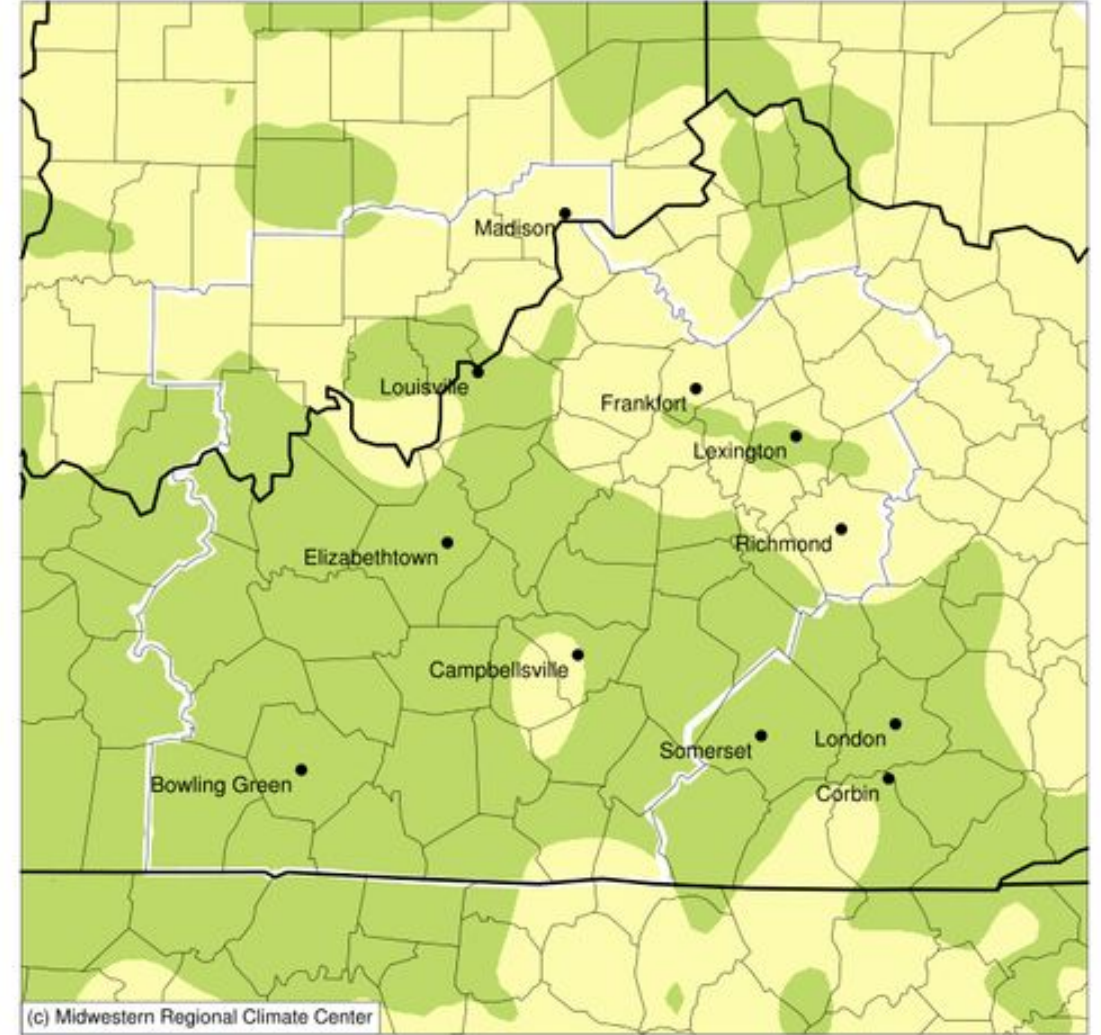
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Accumulated Precipitation (in)
January 01, 2024 to December 31, 2024



0.01 1 2.5 5 7.5 10 15 20 30 40 50 60 80

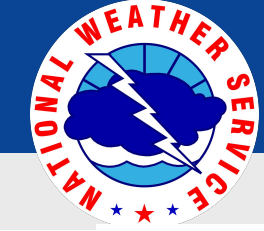
Accumulated Precipitation (in): Percent of 1991-2020 Normals
January 01, 2024 to December 31, 2024



50 75 100 125

Source: [MRCC](#)

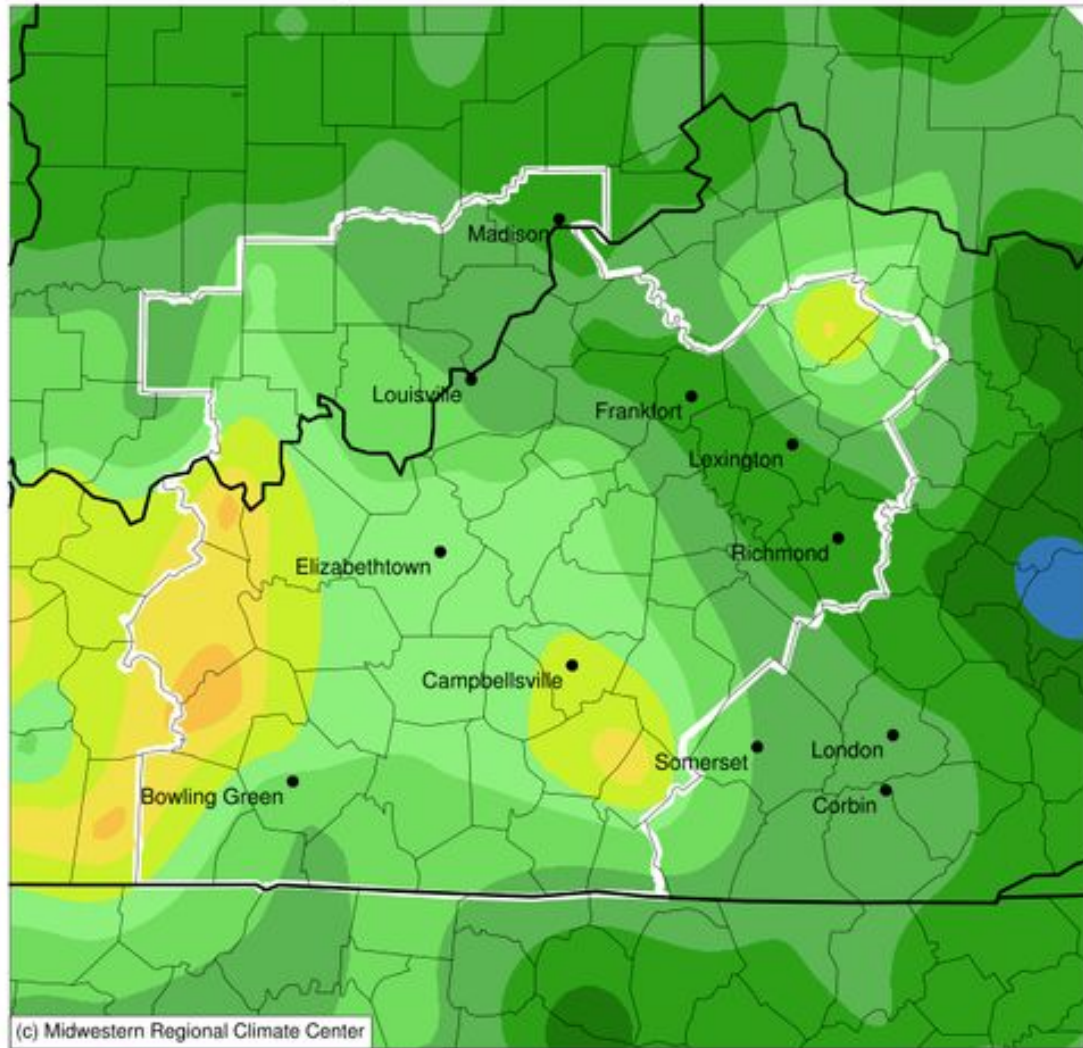




Snowfall Maps

January 12, 2025
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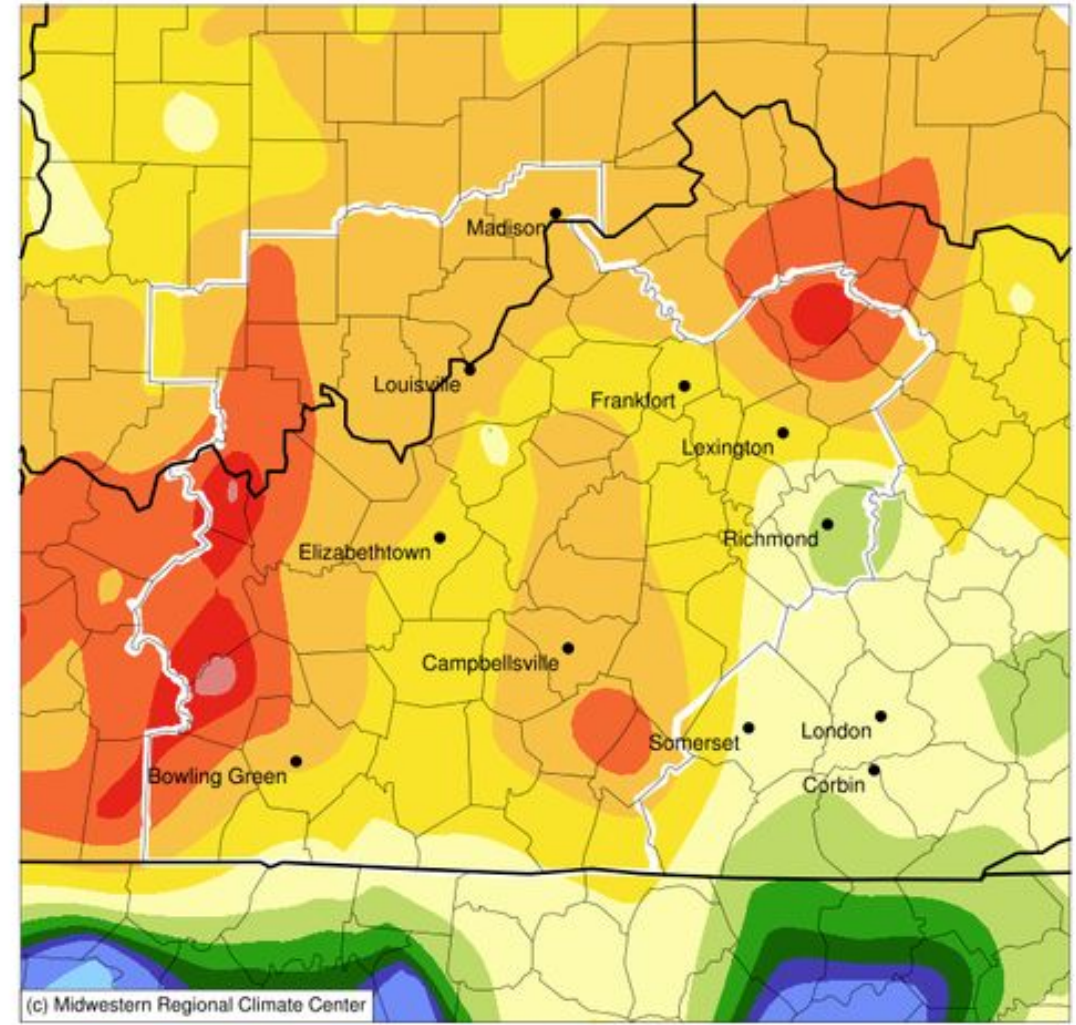
Accumulated Snowfall (in)
January 01, 2024 to December 31, 2024



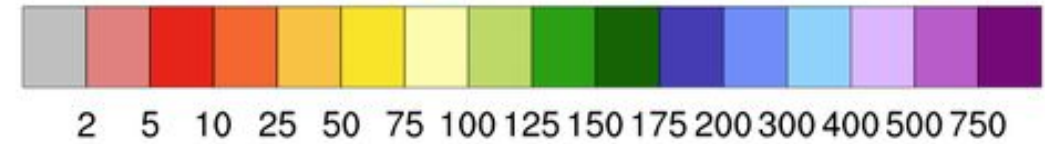
(c) Midwestern Regional Climate Center



Accumulated Snowfall (in): Percent of 1991-2020 Normals
January 01, 2024 to December 31, 2024



(c) Midwestern Regional Climate Center



Source: [MRCC](#)

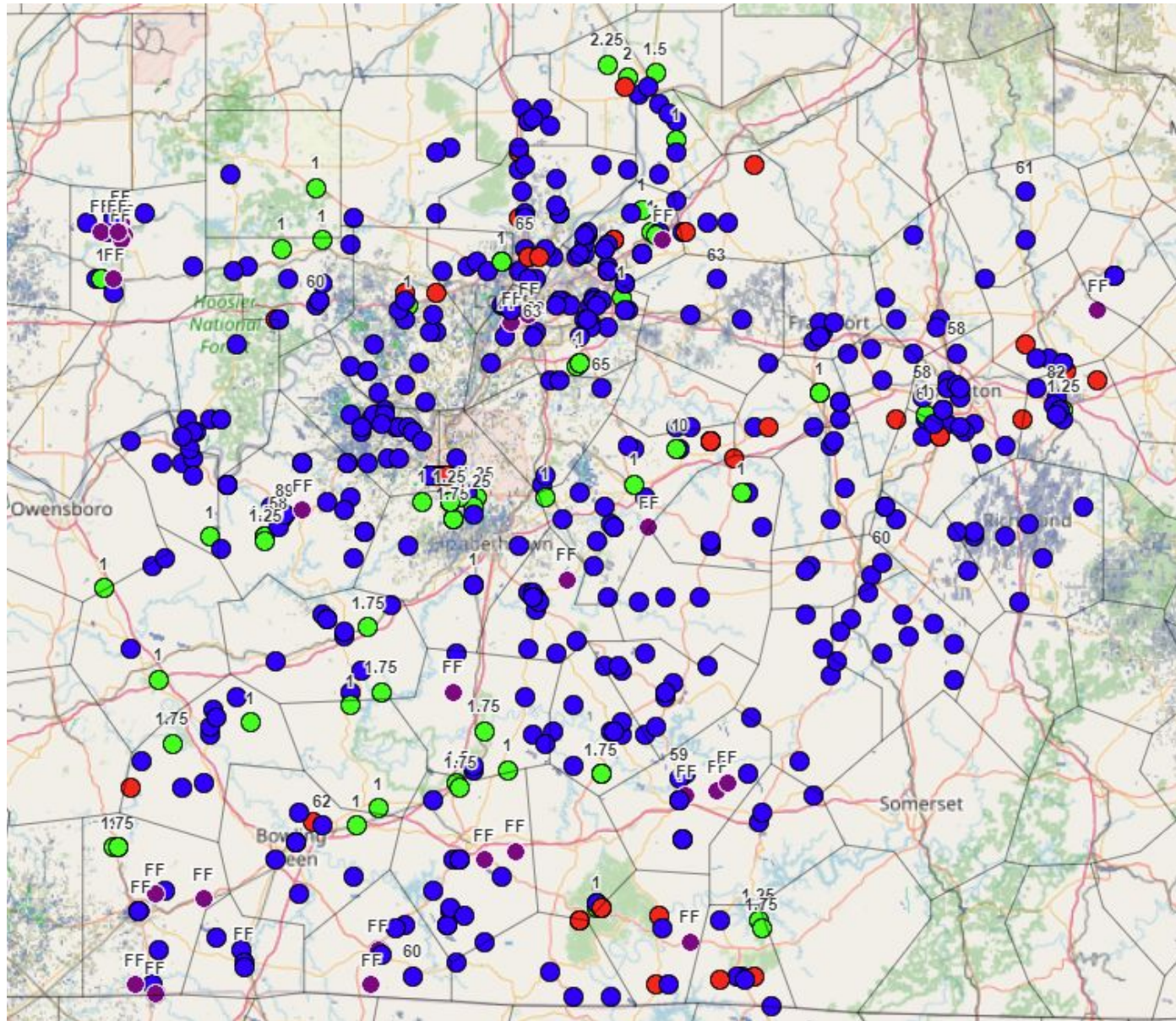




Severe Weather Reports

January 12, 2025
8:37 PM

January 1 - December 31



- Wind
- Hail
- Tornado
- Flash Flood

Source: [NWS Severe Verification Helper](#)

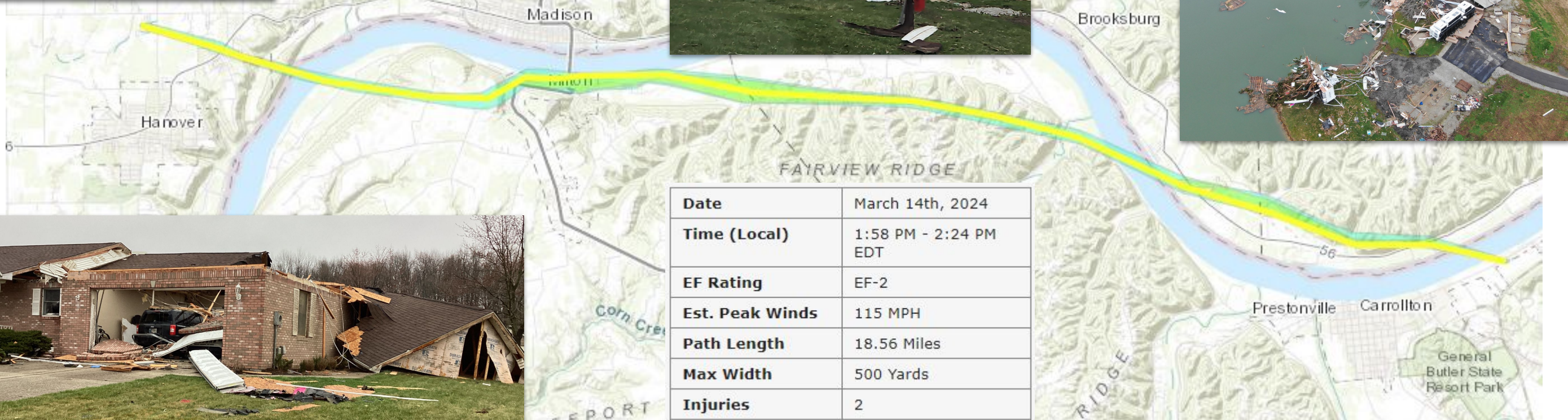




Hanover-Milton Tornado

January 12, 2025
8:37 PM

March 14 EF2



Source: [NWS Severe Verification Helper](#)





Utica-Prospect and Buckner Tornadoes

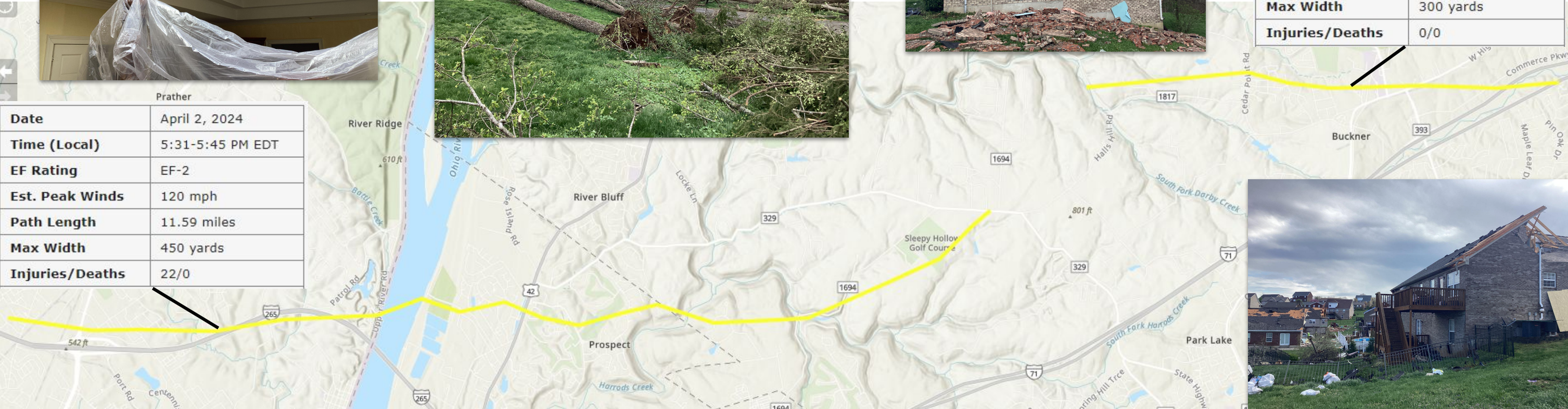
January 12, 2025
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April 2 EF2s



Date	April 2, 2024
Time (Local)	5:46-5:53 PM EDT
EF Rating	EF-2
Est. Peak Winds	115 mph
Path Length	5.33 miles
Max Width	300 yards
Injuries/Deaths	0/0

Date	April 2, 2024
Time (Local)	5:31-5:45 PM EDT
EF Rating	EF-2
Est. Peak Winds	120 mph
Path Length	11.59 miles
Max Width	450 yards
Injuries/Deaths	22/0



Source: [NWS Severe Verification Helper](#)



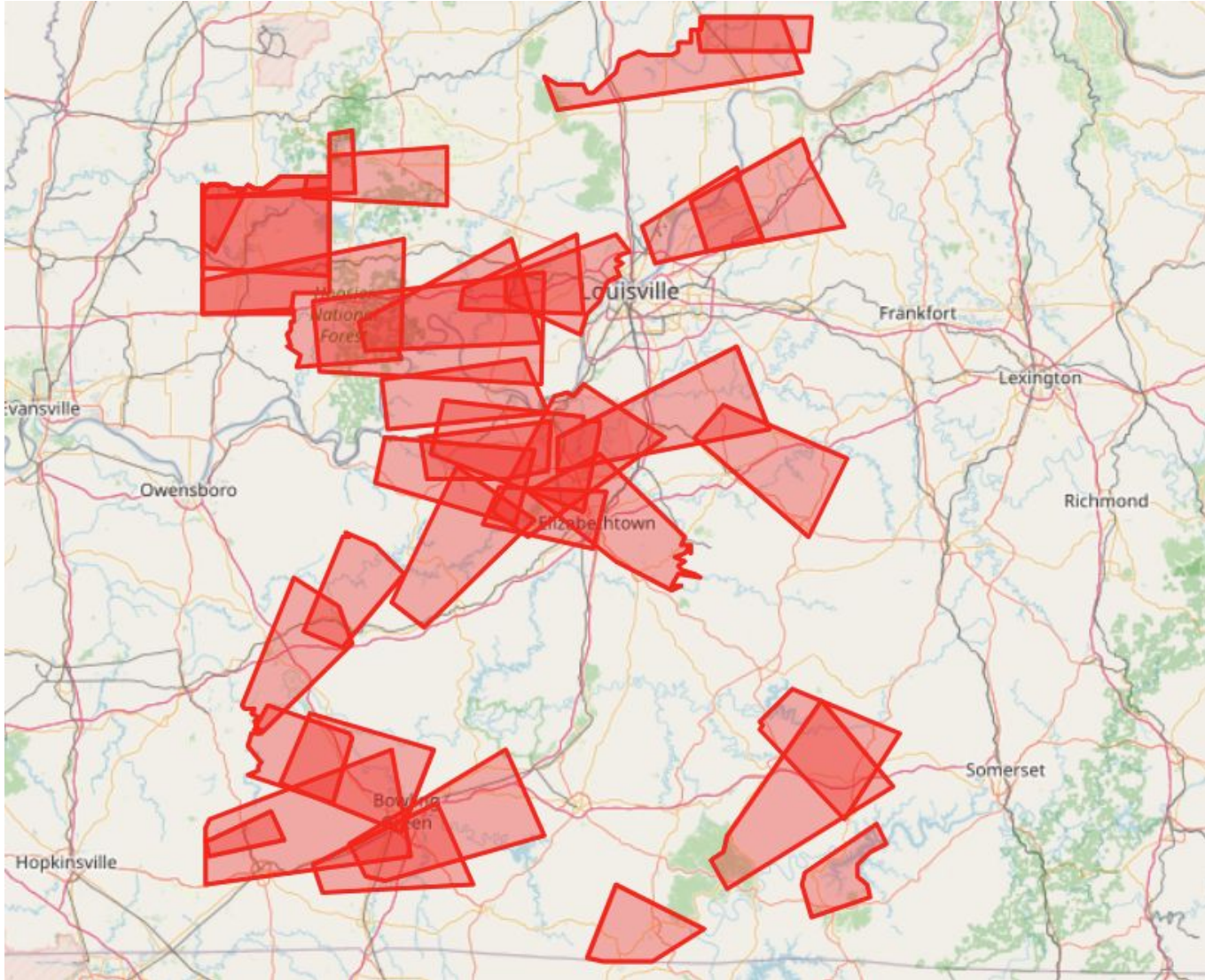


Severe Weather Warnings

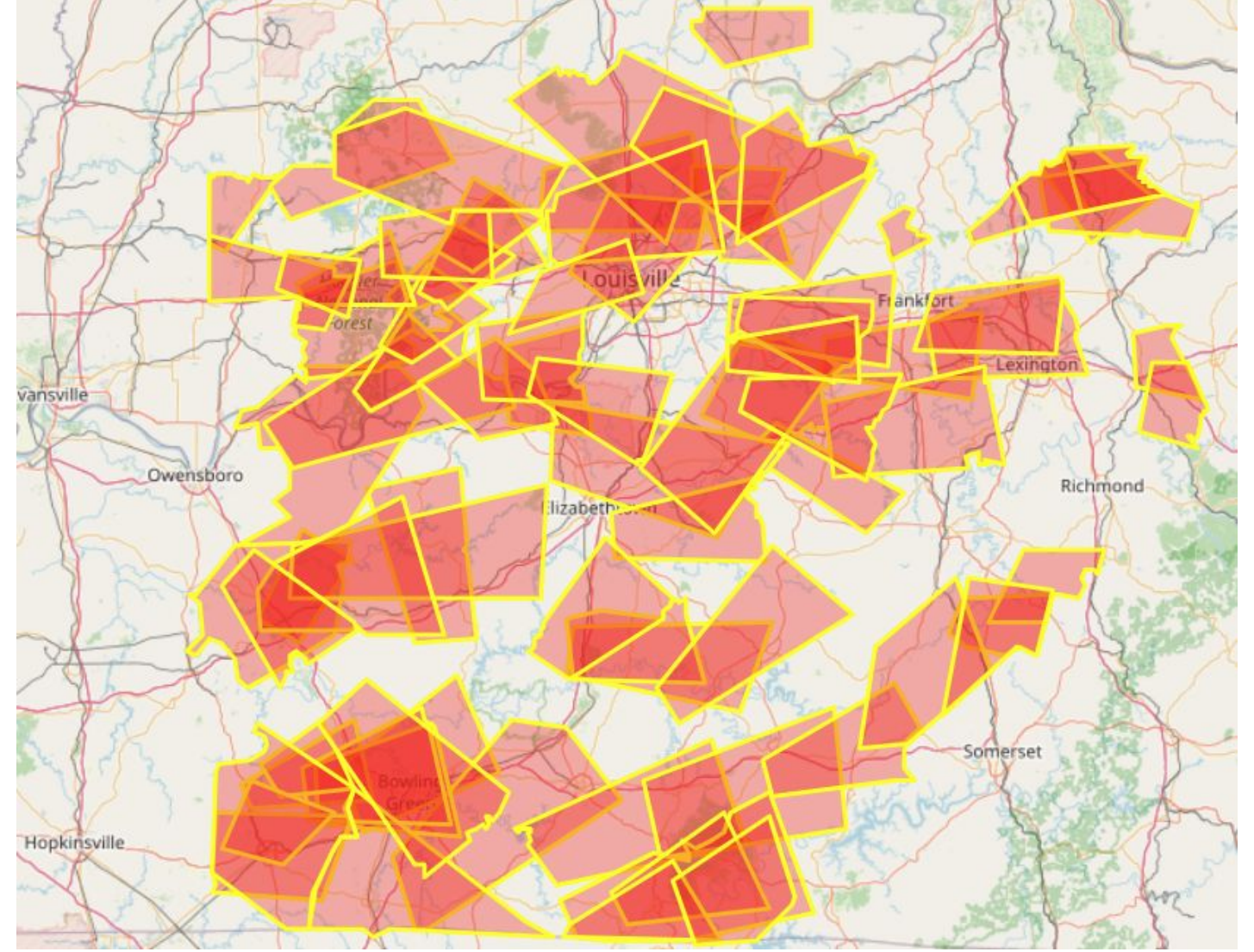
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Issued by NWS Louisville

Tornado Warnings



Severe Thunderstorm Warnings



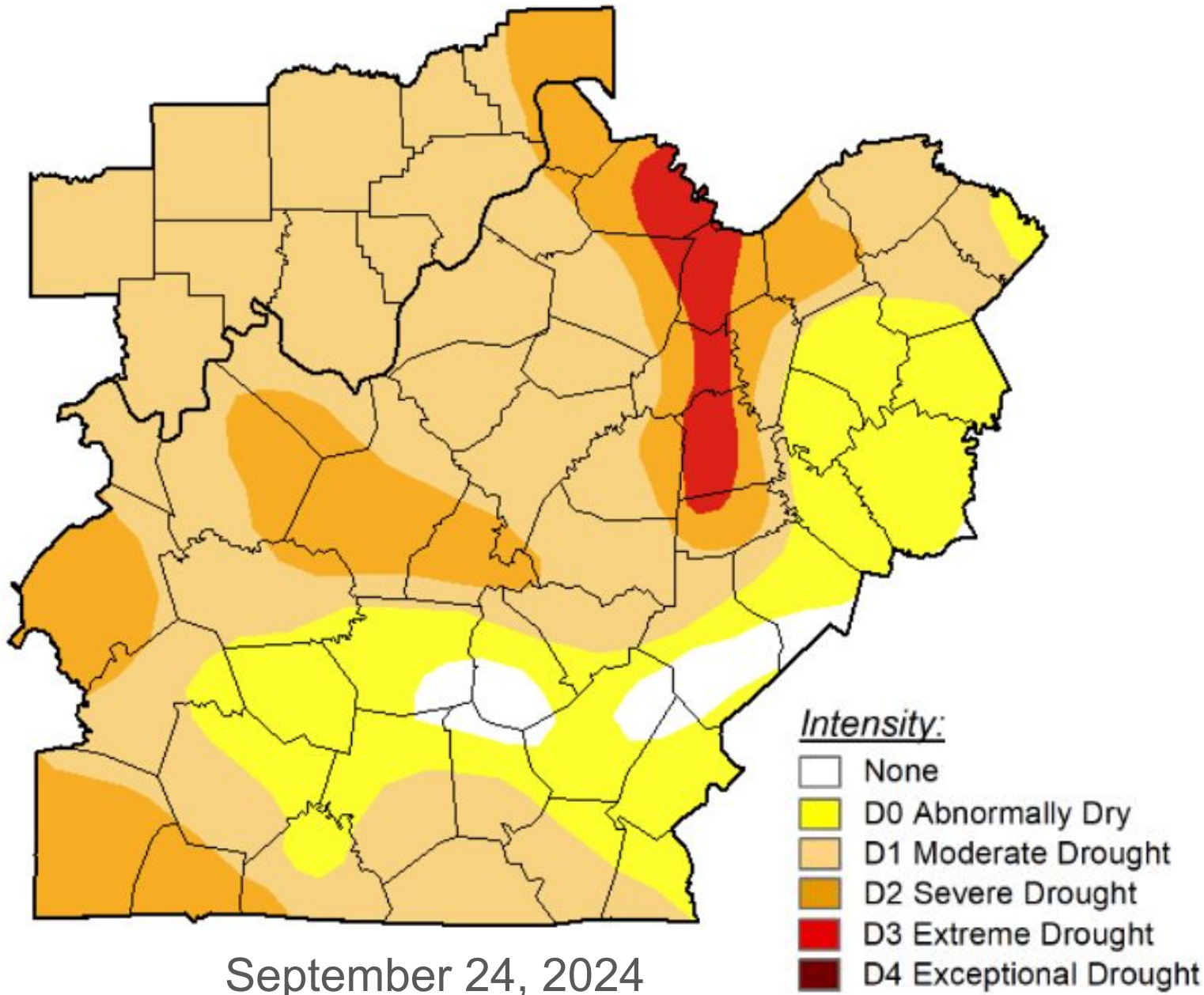
Source: [NWS Severe Verification Helper](#)





U.S. Drought Monitor

January 12, 2025
8:37 PM



September 24, 2024

2024 started off with most of southern Indiana and central Kentucky in moderate to severe drought. It soon came to an end, though, as increased precipitation in mid and late January erased drought from the region.

However, warm and dry conditions led to the redevelopment of drought during the summer months. The drought peaked during the third week of September. Moderate to severe drought was widespread, and areas from New Castle through Frankfort to Harrodsburg experienced extreme drought conditions. The remnants of Hurricane Helene then brought two to five inches of soaking rain to the area September 27-29, eliminating the drought. It was a good thing, too, since October was one of the driest months on record for some spots, including Frankfort and Lexington.

Source: [USDM](#)





CPC Seasonal Outlooks for 2025

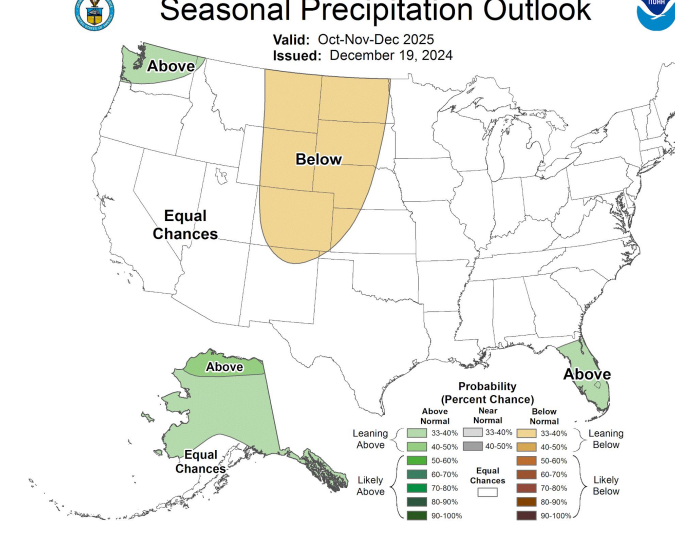
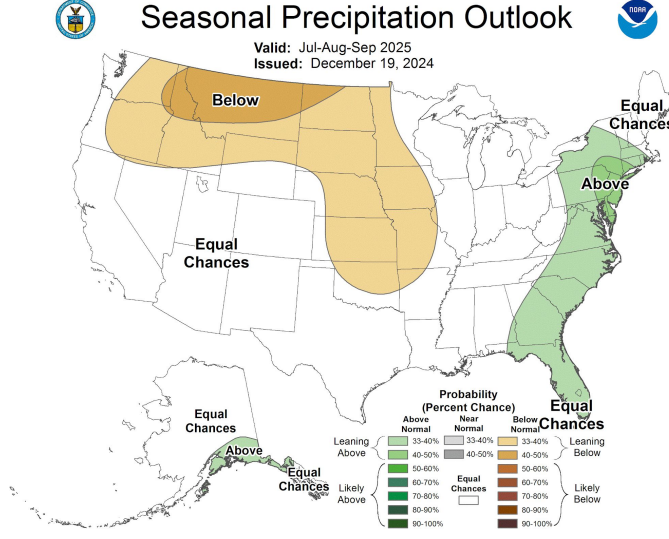
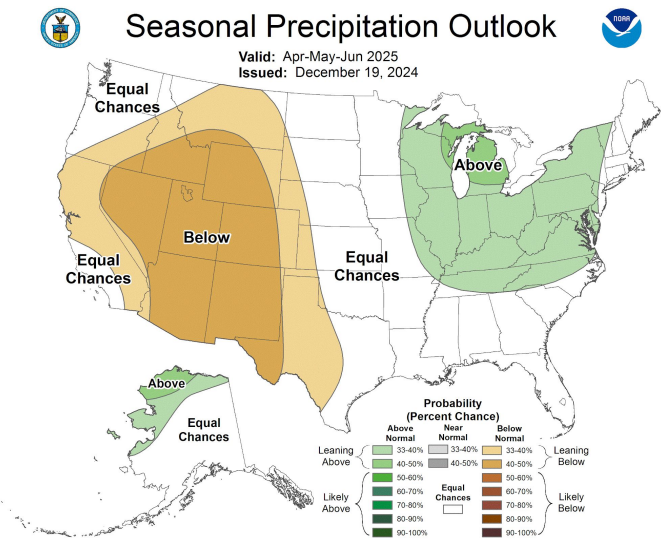
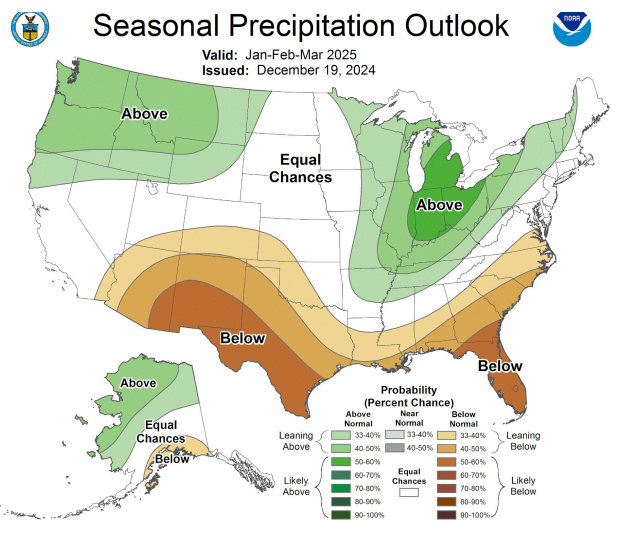
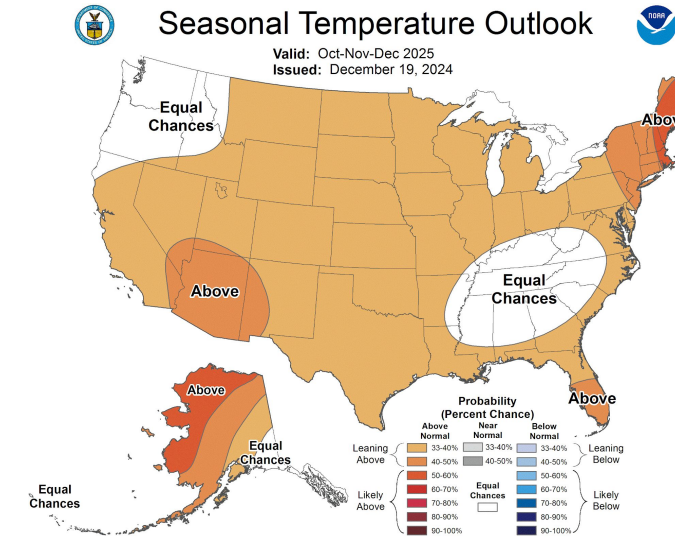
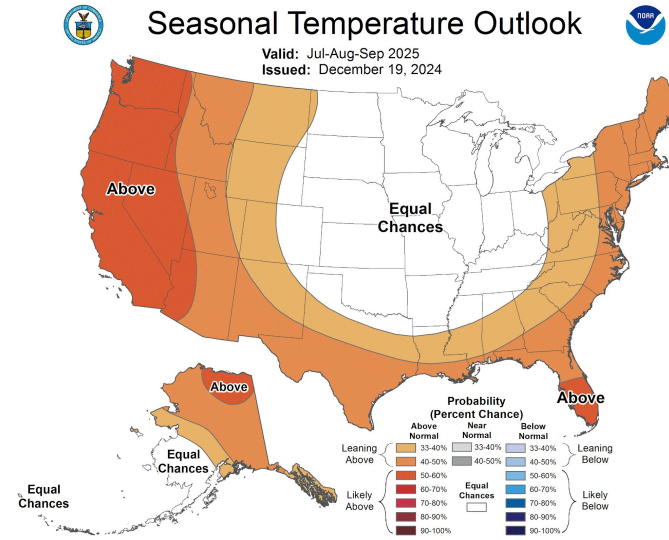
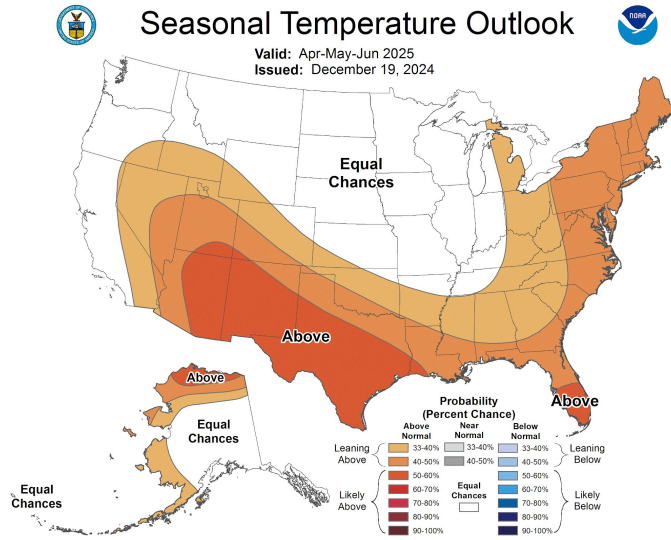
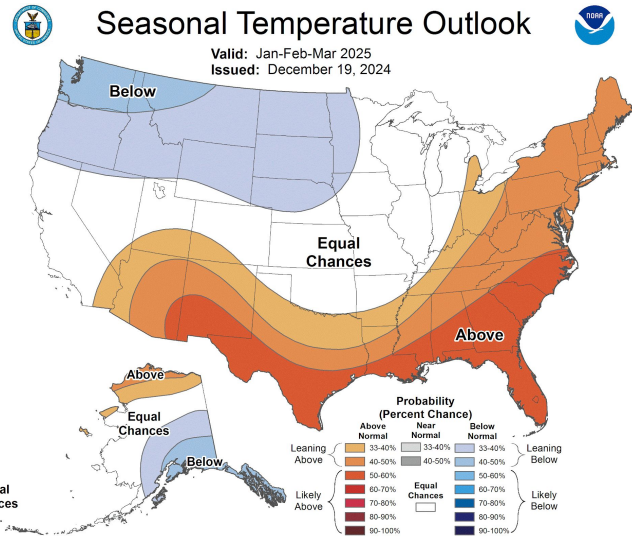
January 12, 2025
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JAN - MAR

APR - JUN

JUL - SEP

OCT - DEC



Source: [Climate Prediction Center, NOAA](https://www.cpc.ncep.noaa.gov)

