

Severe Weather Risk

Wednesday, December 23, 2015

Threat Assessment for south-central Indiana and
central Kentucky

Prepared: 12/23/2015 8:50 AM

National Weather Service – Louisville, Kentucky



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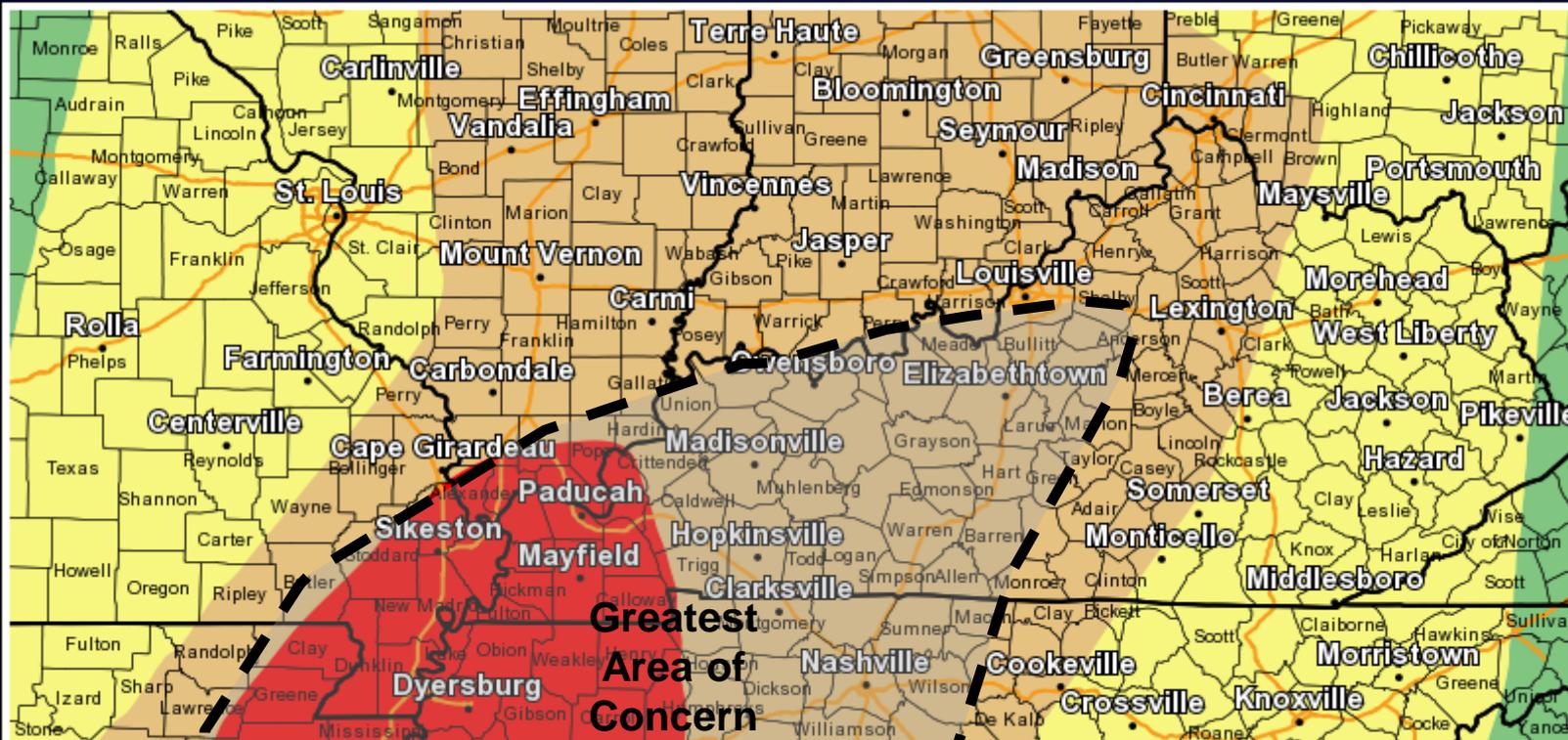


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Severe Weather Outlook



Day One Severe Weather Outlook

- General Thunderstorms
- 1 - Marginal
- 2 - Slight Risk
- 3 - Enhanced
- 4 - Moderate Risk
- 5 - High Risk



Created Wednesday December 23rd, 2015 at 8:23 AM EST

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Timing

Supercell Threat: - Best chance for **stronger tornados**

- 3-8 PM EST/ 2-7 PM CST West of I 65 and South of I 64

Squall Line Threat- Best chance for **damaging wind gusts** and **isolated tornadoes**

TWO lines possible:

First across southern IN and west central KY between 2-5 PM EST/1-4 PM CST

Second areawide 6 PM-1 AM EST/ 5PM-Midnight CST

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Expected Impacts

Tornadoes: Isolated tornadoes, mainly south of I-64. Stronger tornadoes possible west of the Glasgow area this afternoon.

Wind: - Gradient southerly winds of 15-25 gusting to 35 mph
- Damaging winds in excess of 60 mph in stronger storms

Hail: Hail up to 1.25 inches, possibly up to 2 inches across SW KY

Flooding: Heavy rainfall expected at times with some ponding of water possible. No widespread flooding expected.

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Expected Impacts

Aviation:

South winds with frequent 25 kt gusts in the afternoon, occasional 30+ kt gusts

Best chance for strong/severe storms with hail and 50+ kt winds:

- **SDF** – 4 PM – 10 PM EST
- **BWG** – 3 PM – 10 PM CST
- **LEX** – 8 PM – 1 AM EST (*lower confidence*)

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