

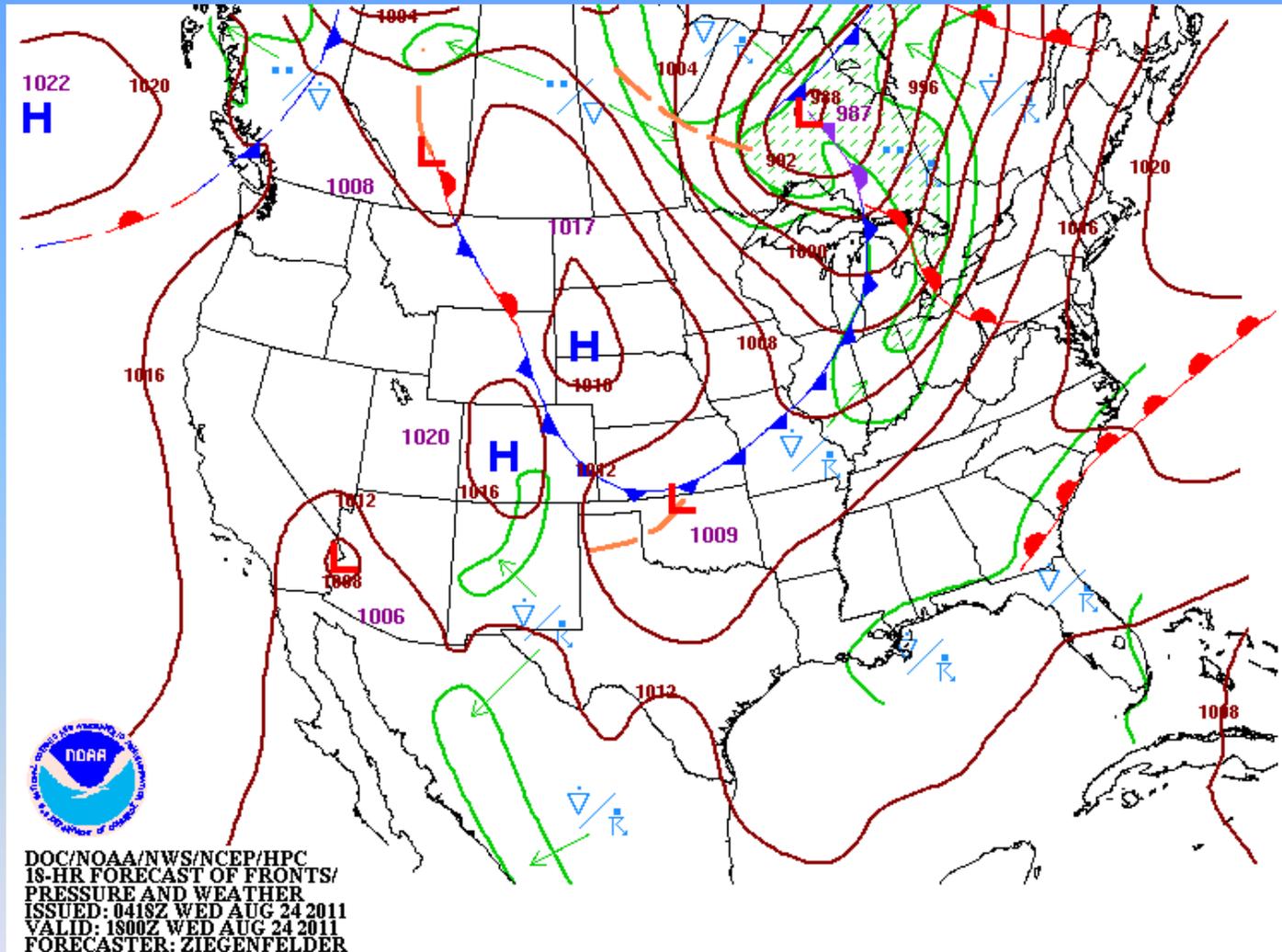


National Weather Service Detroit/Pontiac

Severe Thunderstorm Potential

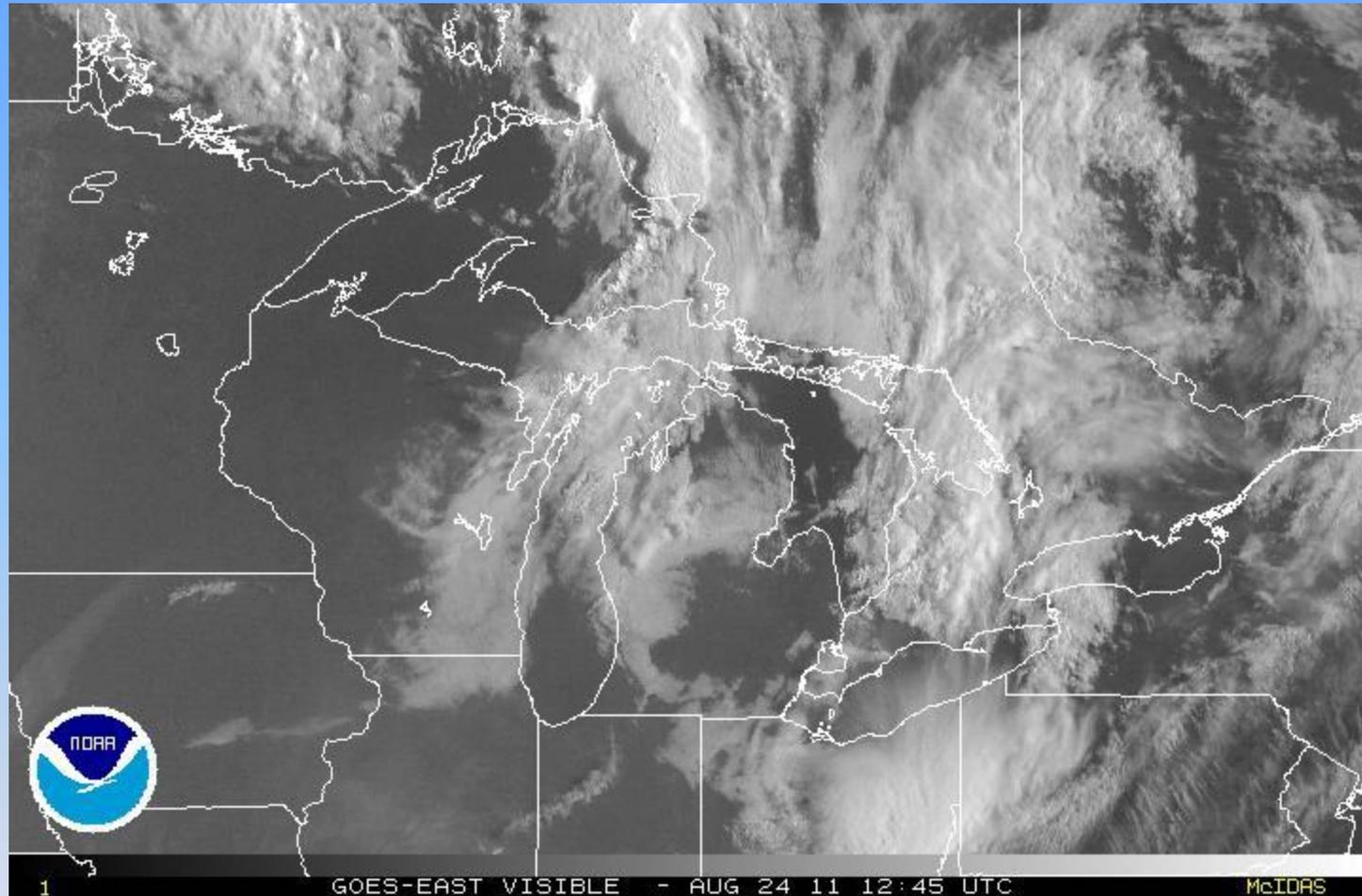
August 24, 2011

Thunderstorms along cold front today



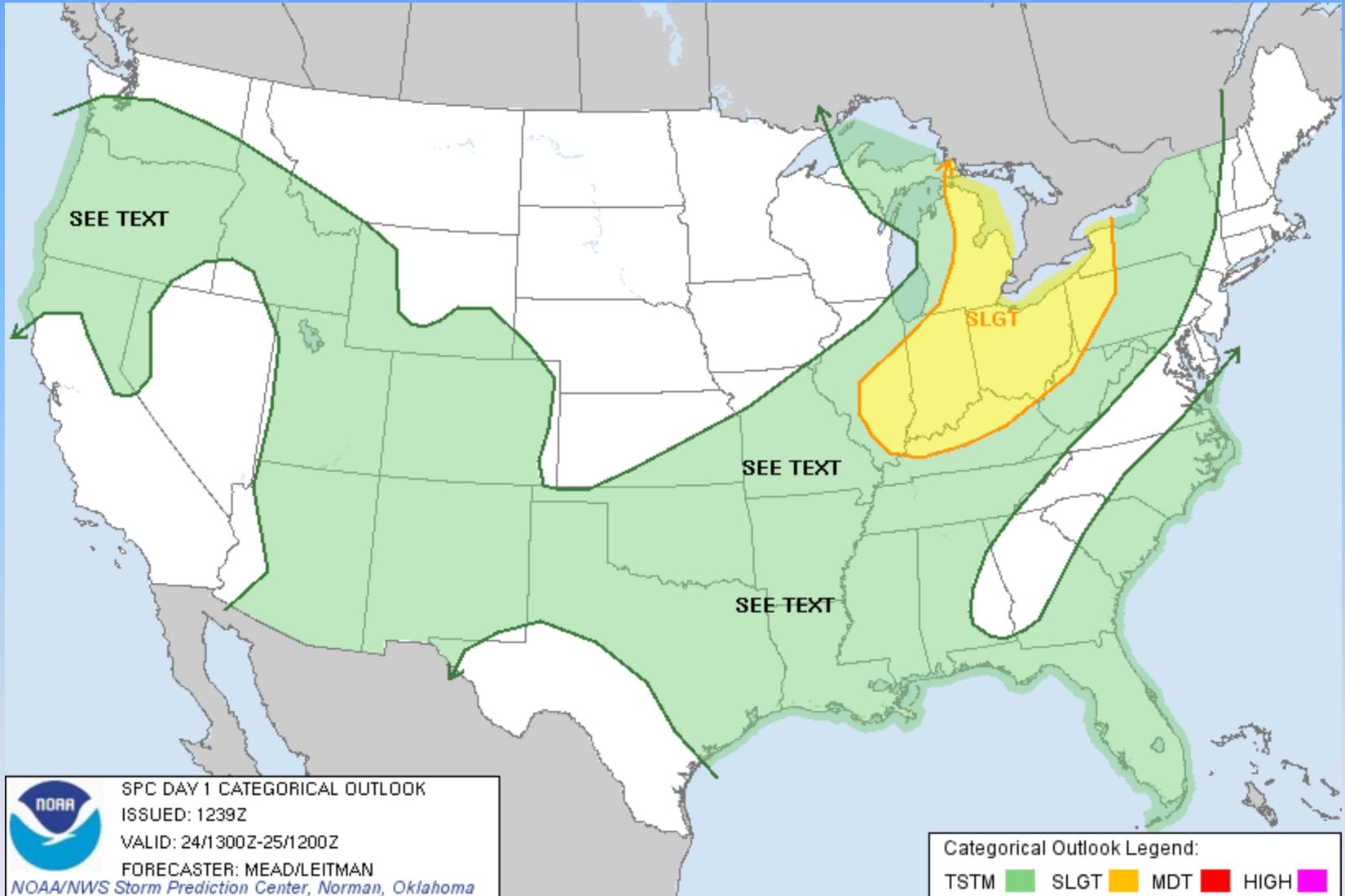
- Influx of warm, moist, and unstable air ahead of cold front
- Scattered to numerous thunderstorms expected by late afternoon through mid evening

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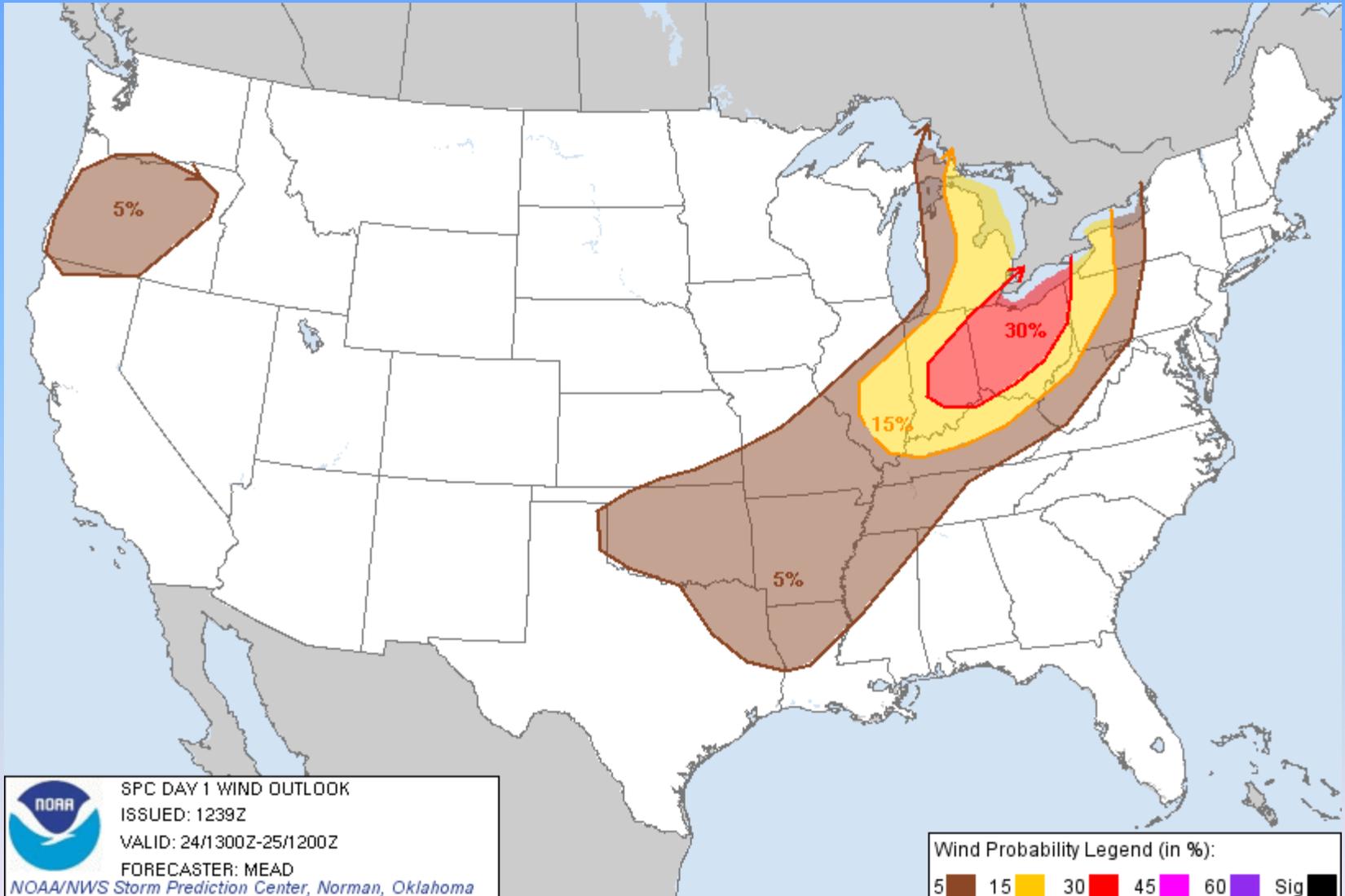


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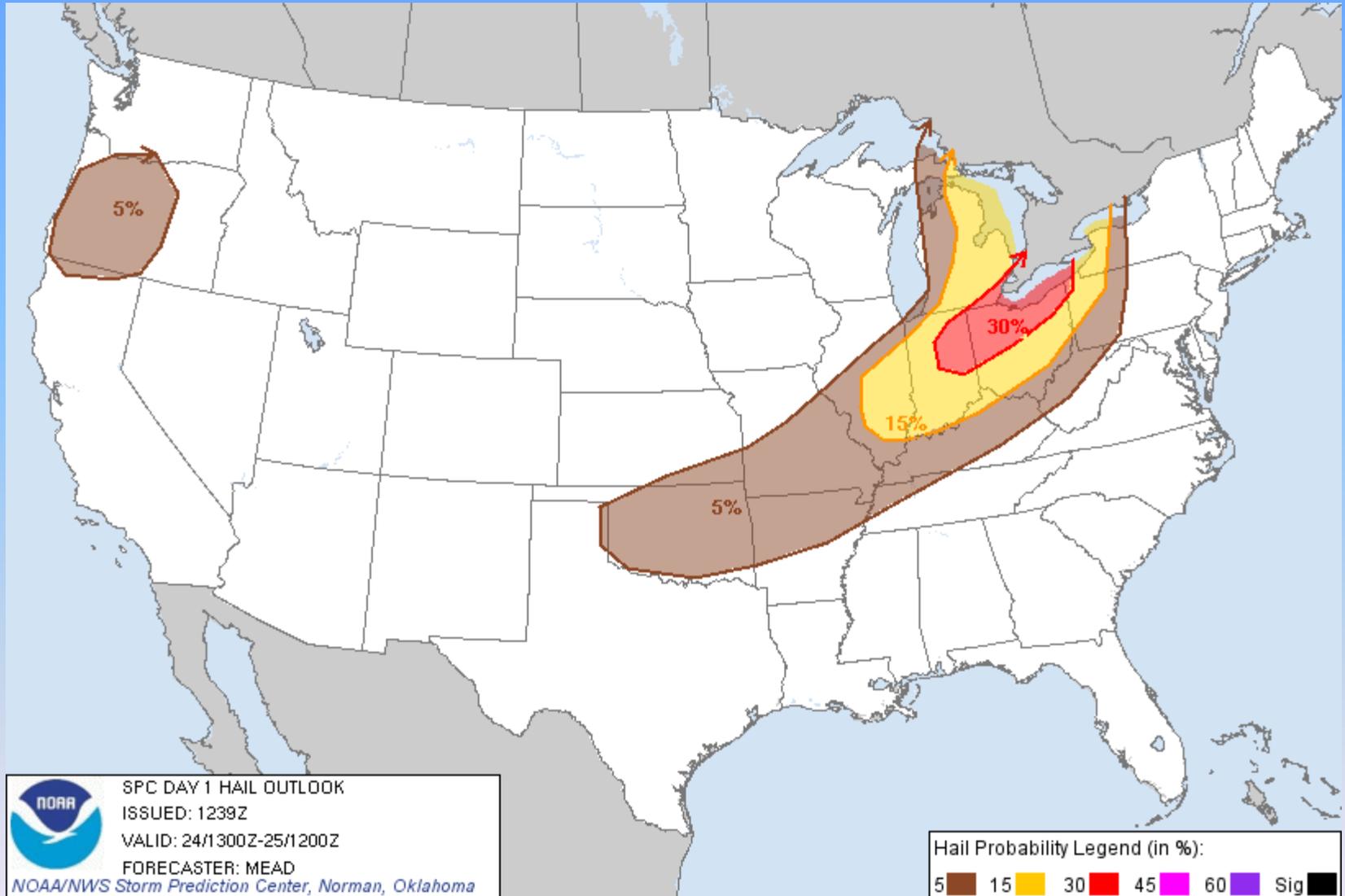
Severe Weather Potential Today



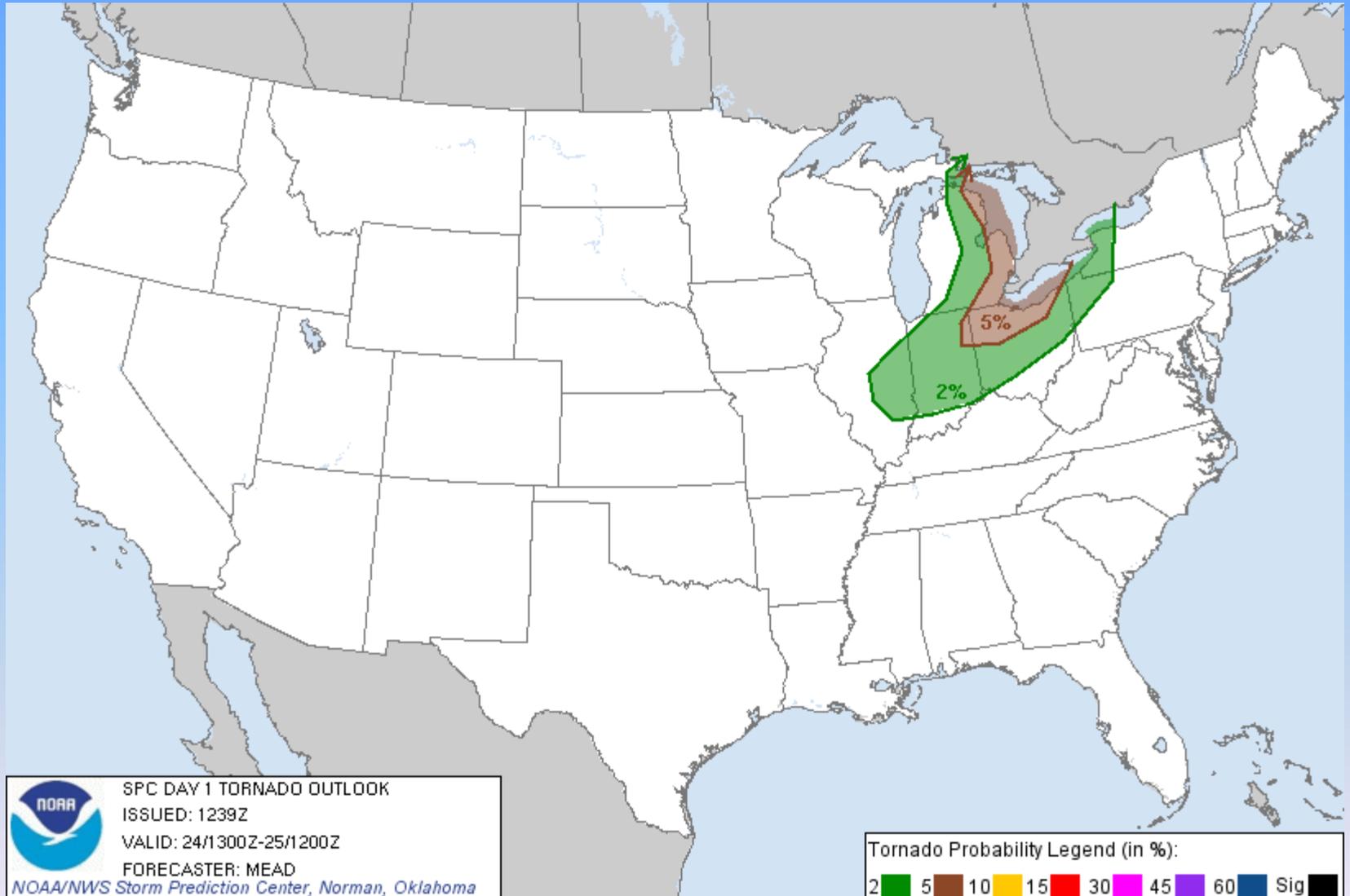
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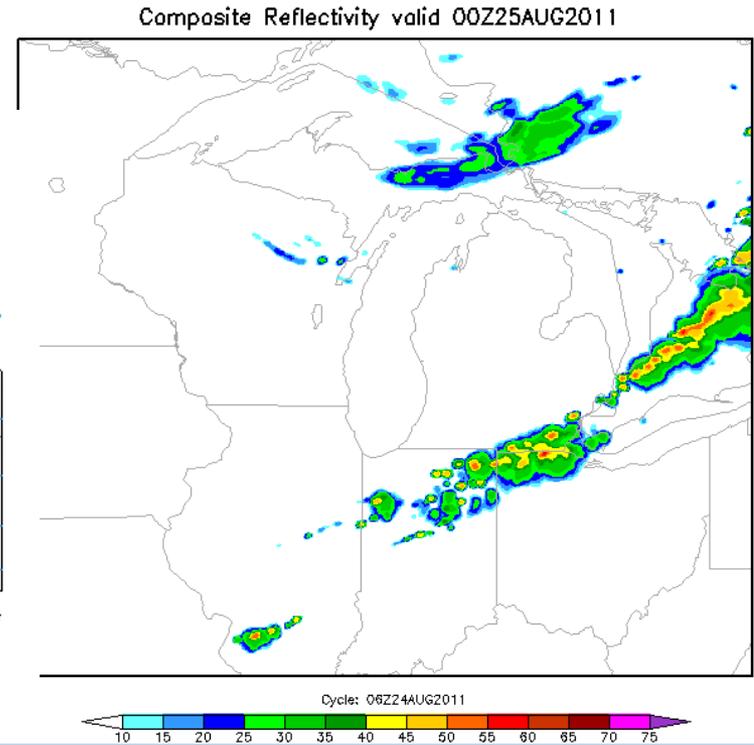
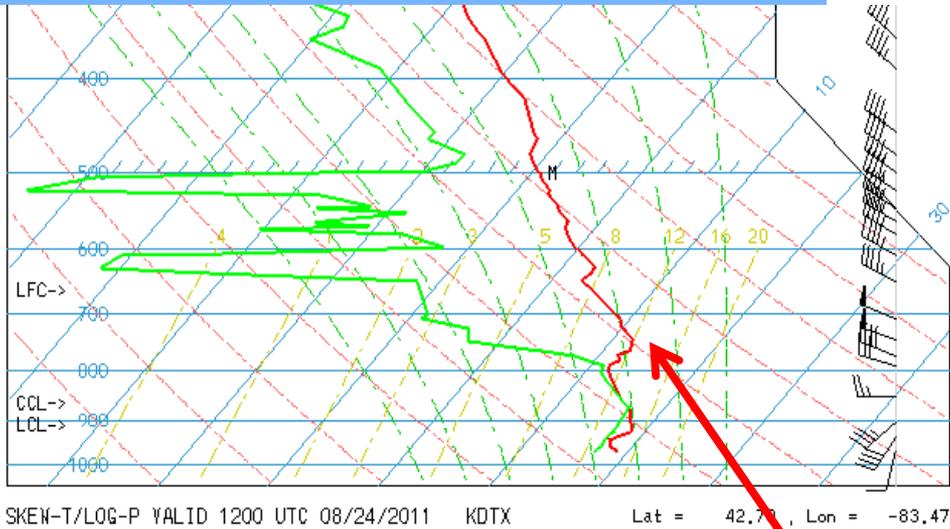
Severe Weather Potential Today



Severe Weather Potential Today



Forecast challenges



Warm air between 5000 and 10000 feet

Forecast Summary

Mid Afternoon

- Gusty southwest winds bring warm and humid air into the region ahead of a cold front
- Highs near 90

Late Afternoon

- Thunderstorms develop along cold front
- Initiation near a line from the tip of the Thumb to Kalamazoo and between 3pm and 6pm
- Damaging wind... in excess of 60 mph
- Large hail... 1 inch or greater
- Locally higher end severe weather... wind gusts in excess of 70 mph... golf ball size hail... Tornado development

Evening

- Storms exit by 10pm... possibly as early as 8pm