



National Weather Service Detroit/Pontiac

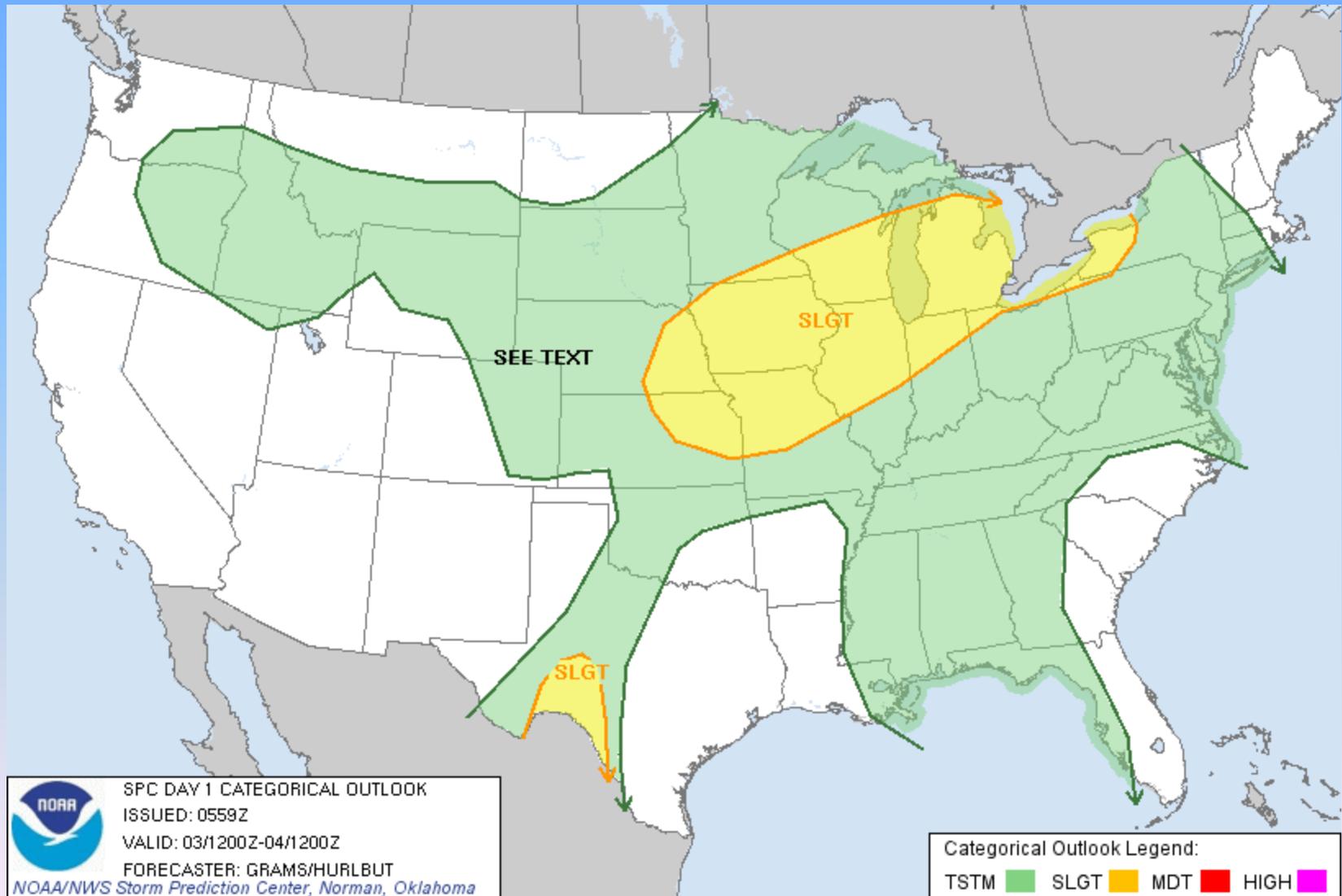
Multimedia Web Briefing

May 3, 2012

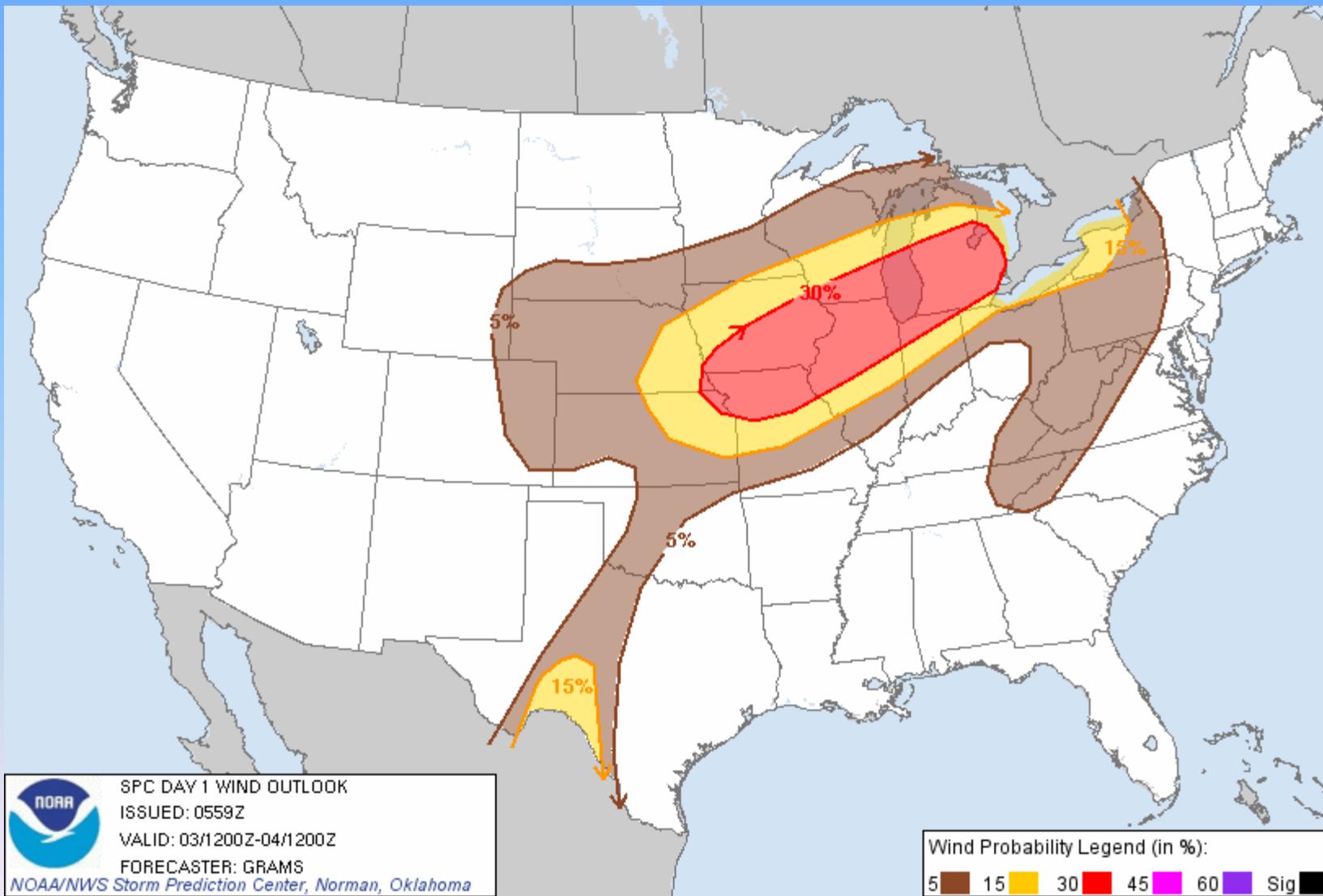
Hazards

- **Thunderstorms may produce strong winds in excess of 60 mph. Hail to 1" is also a threat with strongest storms.**
- **Isolated threat north of M-59 during the afternoon.**
- **Threat increases after 4 p.m. for the Tri Cities**
- **Threat increases around sunset and later for the rest of Southeast Michigan.**
- **Storms will track to the east-northeast at 40 mph.**
- **Moisture rich environment and training of storms will potentially bring heavy rainfall. Isolated flash flood threat this evening and overnight.**

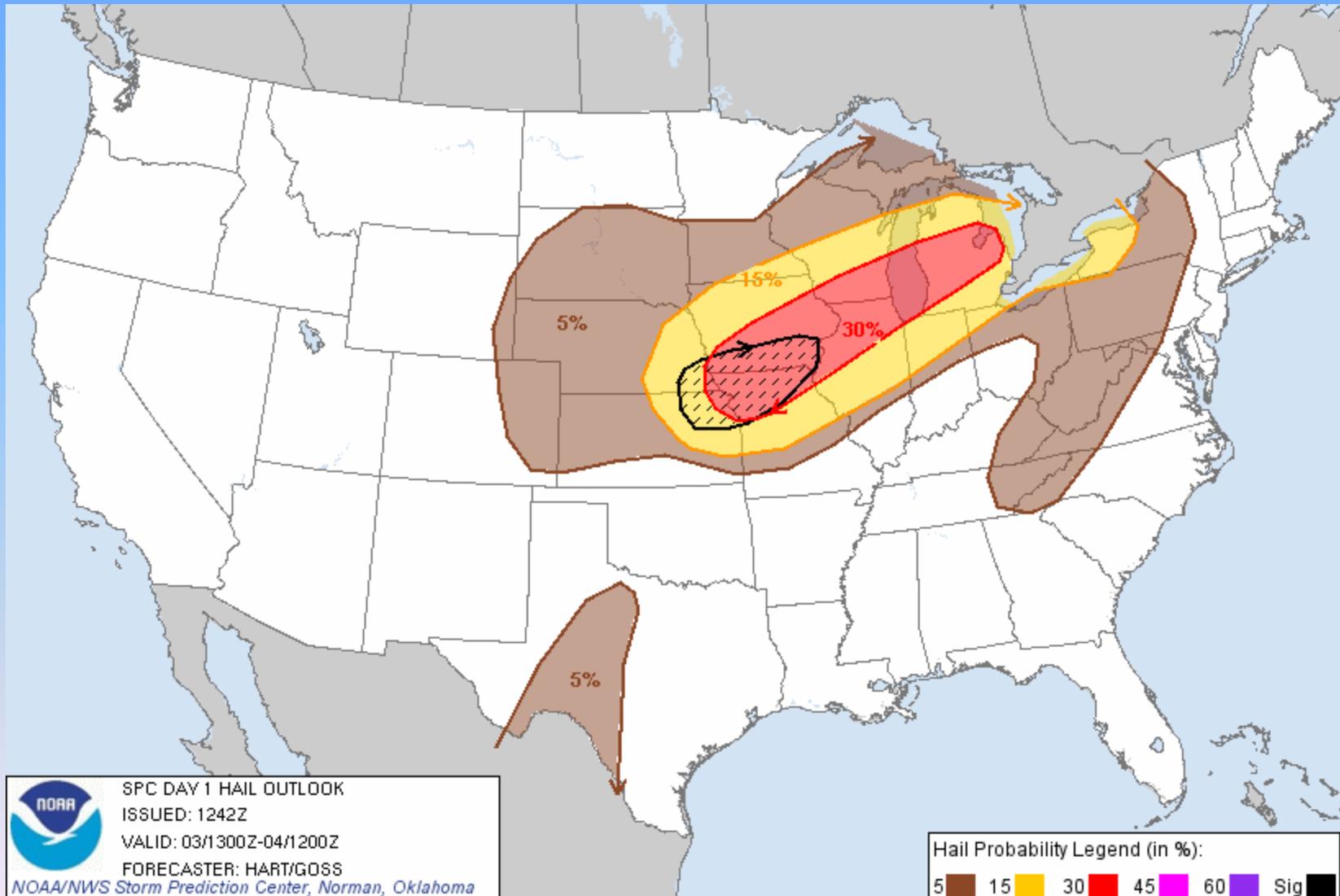
Severe Weather Potential



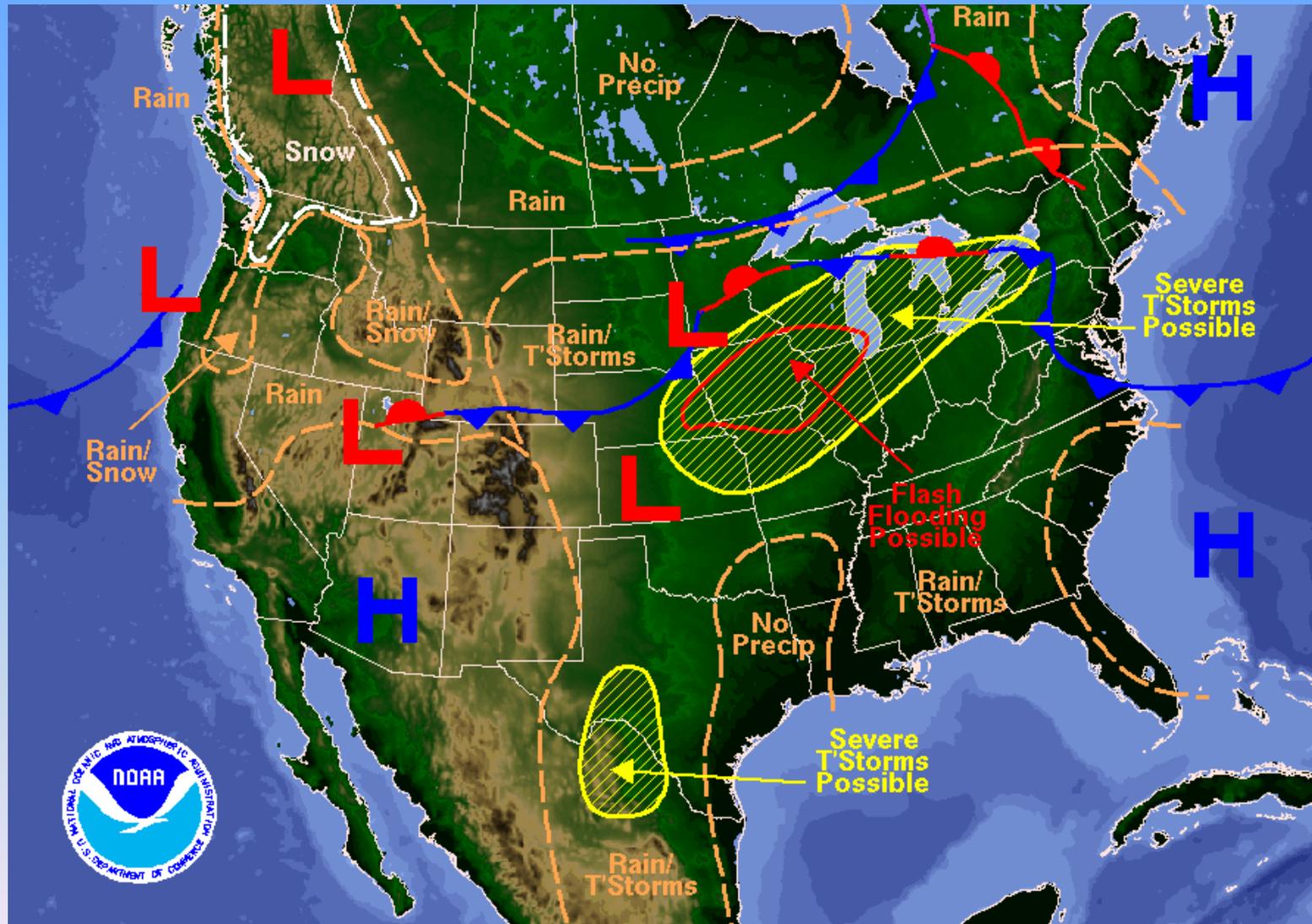
Severe Winds



Severe Hail

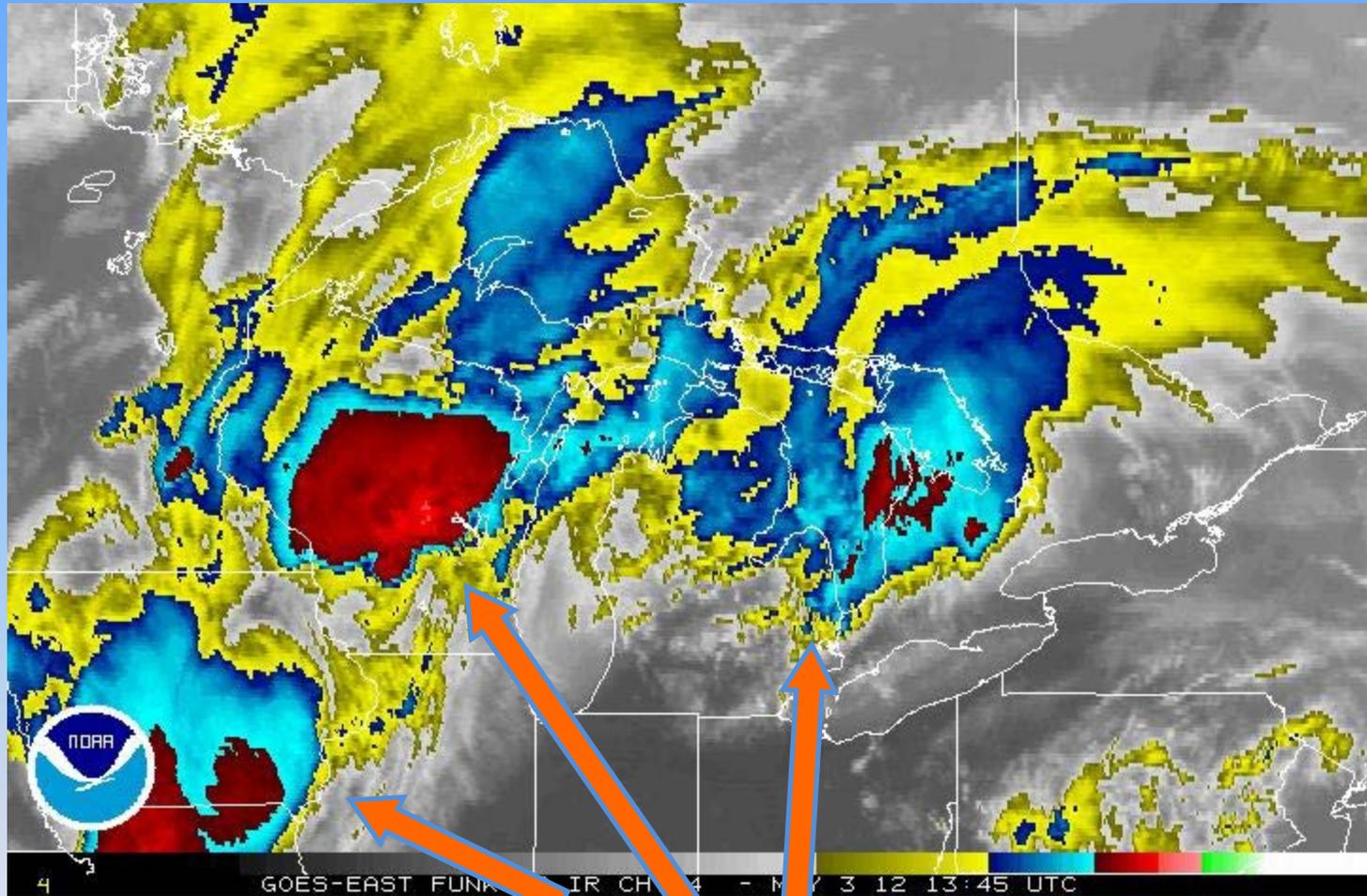


Today's Forecast



Weather Forecast for Thu, May 03, 2012, issued 3:34 AM EDT
DOC/NOAA/NWS/NCEP/Hydrometeorological Prediction Center
Prepared by McReynolds based on HPC, SPC, and NHC forecasts

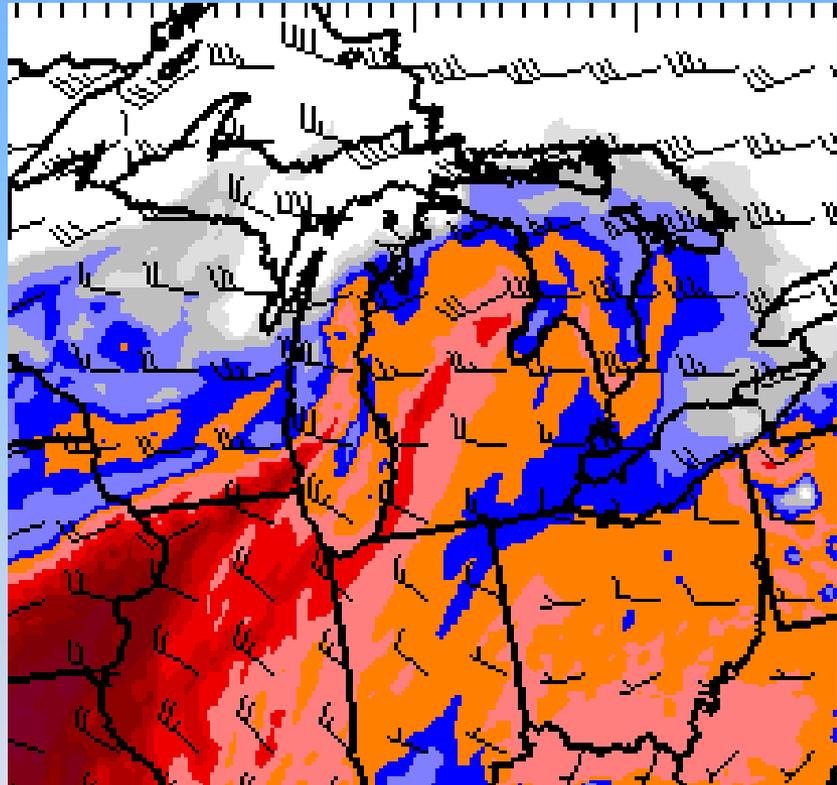
Thunderstorm Triggers



Morning Thunderstorm
Complexes

Instability

- Temperatures in the 80s to near 90
- Dew Points 60 to 65
- Highest Instability during the afternoon and evening over Central and Southwest Lower Michigan



Limiting Factors

- Warm and dry pocket over southern Illinois and Indiana will move into Southeast Lower Michigan – Limit instability
- Complex and weak forcing to trigger thunderstorms

Hazards and Timeline Summary

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- **Isolated threat north of M-59 during the afternoon.**
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- **Threat increases around sunset and later for the rest of Southeast Michigan.**
- **Moisture rich environment and training of storms will bring heavy rainfall. Isolated flash flood threat this evening and overnight.**