National Weather Service Detroit/Pontiac

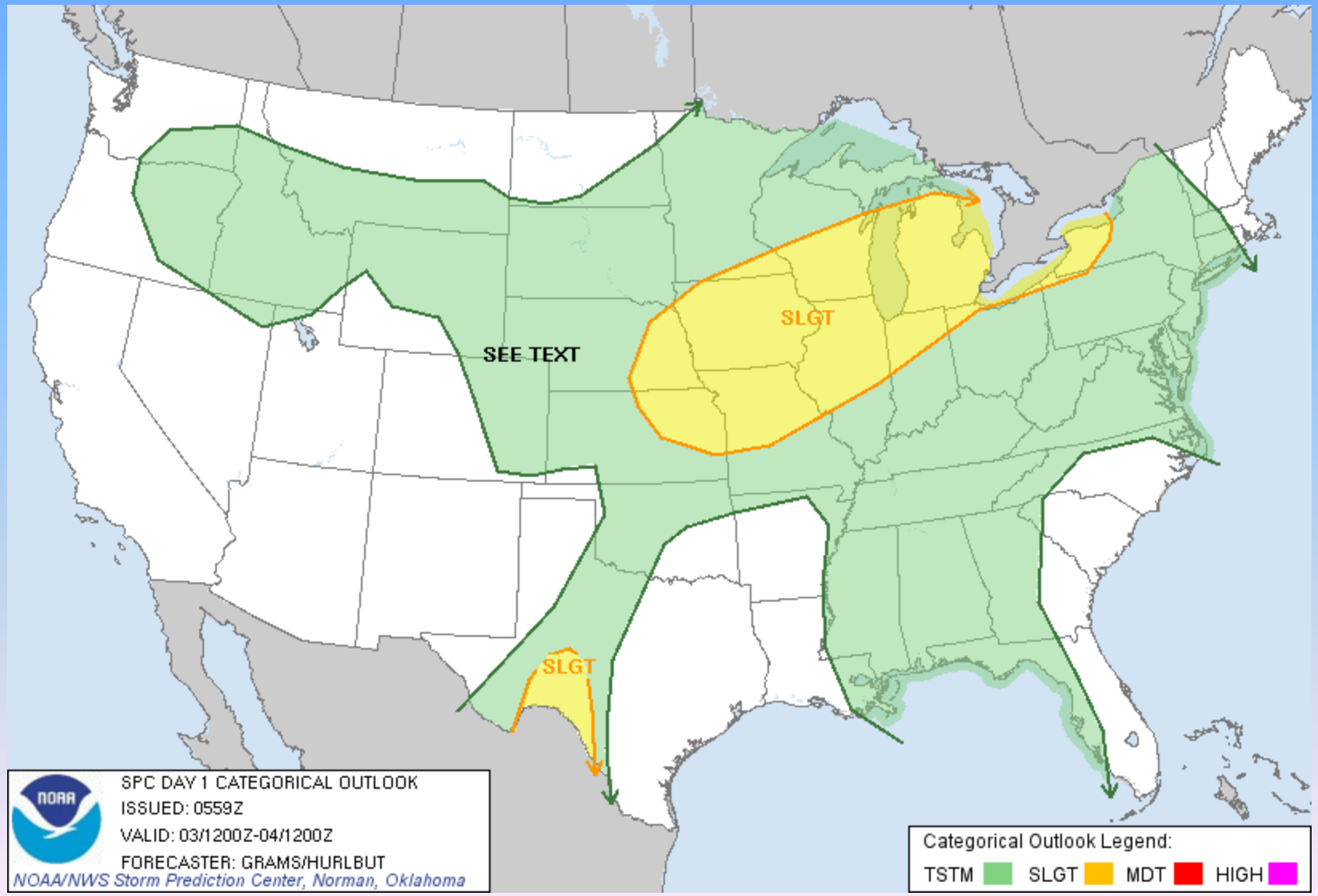
Multimedia Web Briefing

May 3, 2012

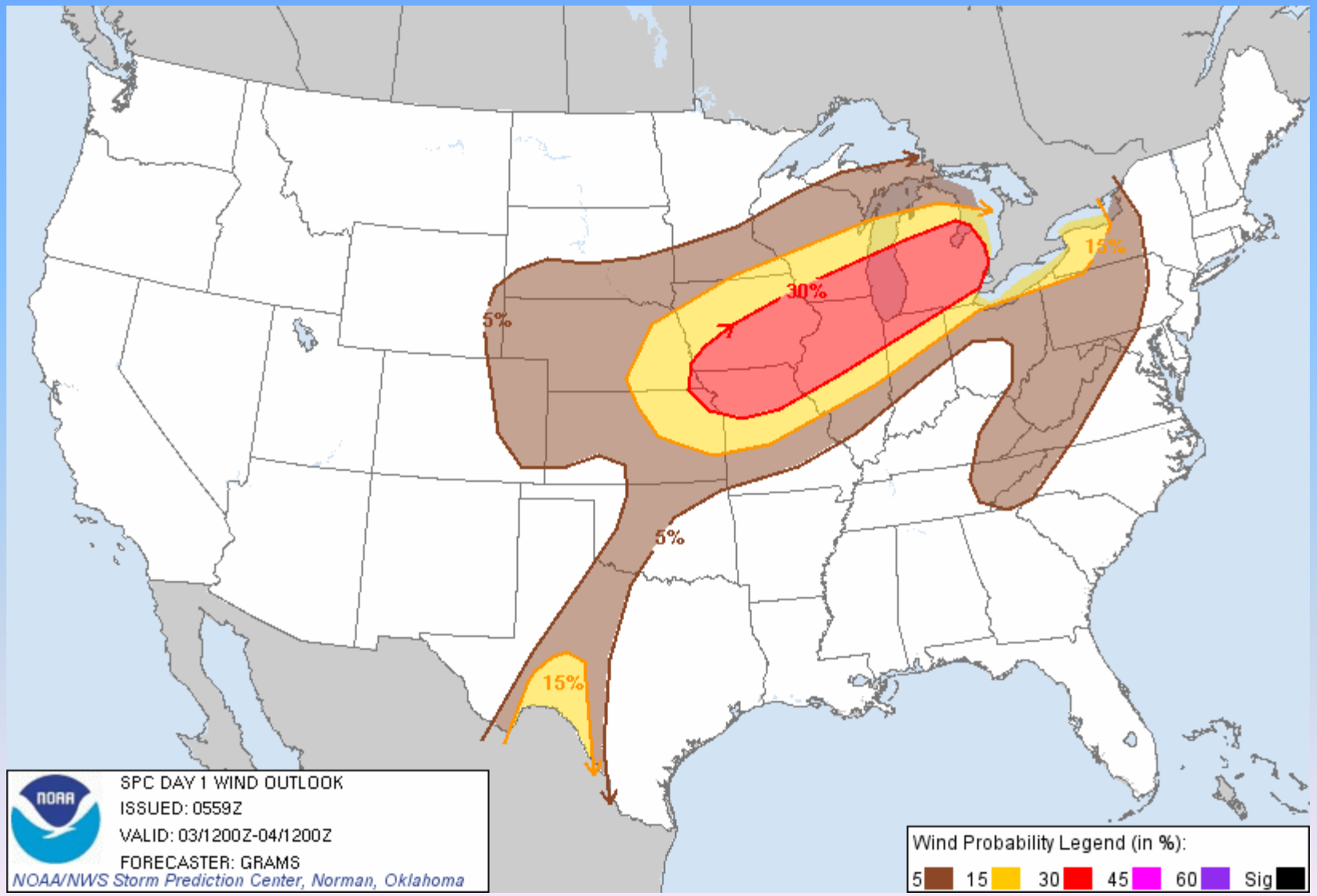
Hazards

- 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.

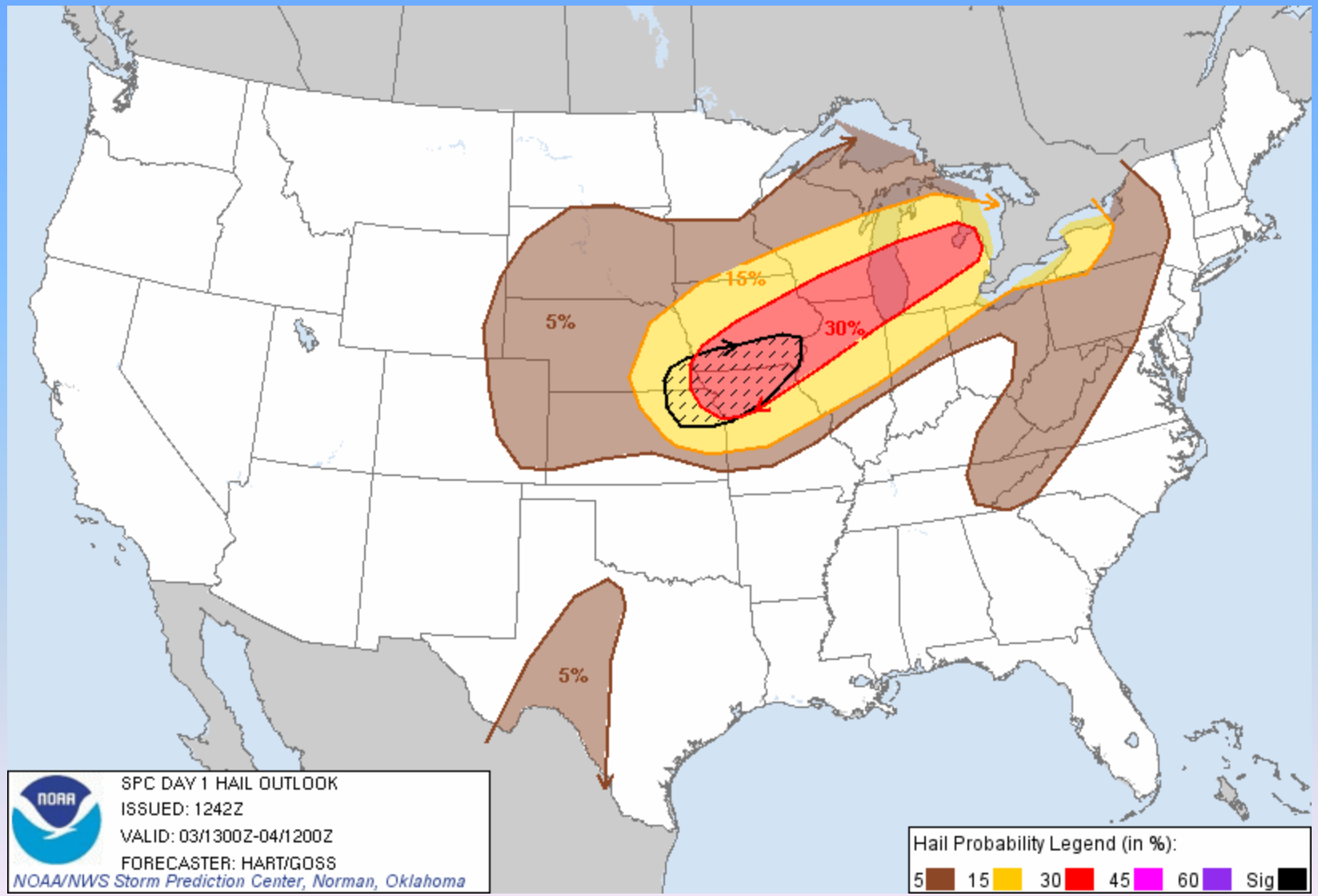
Severe Weather Potential



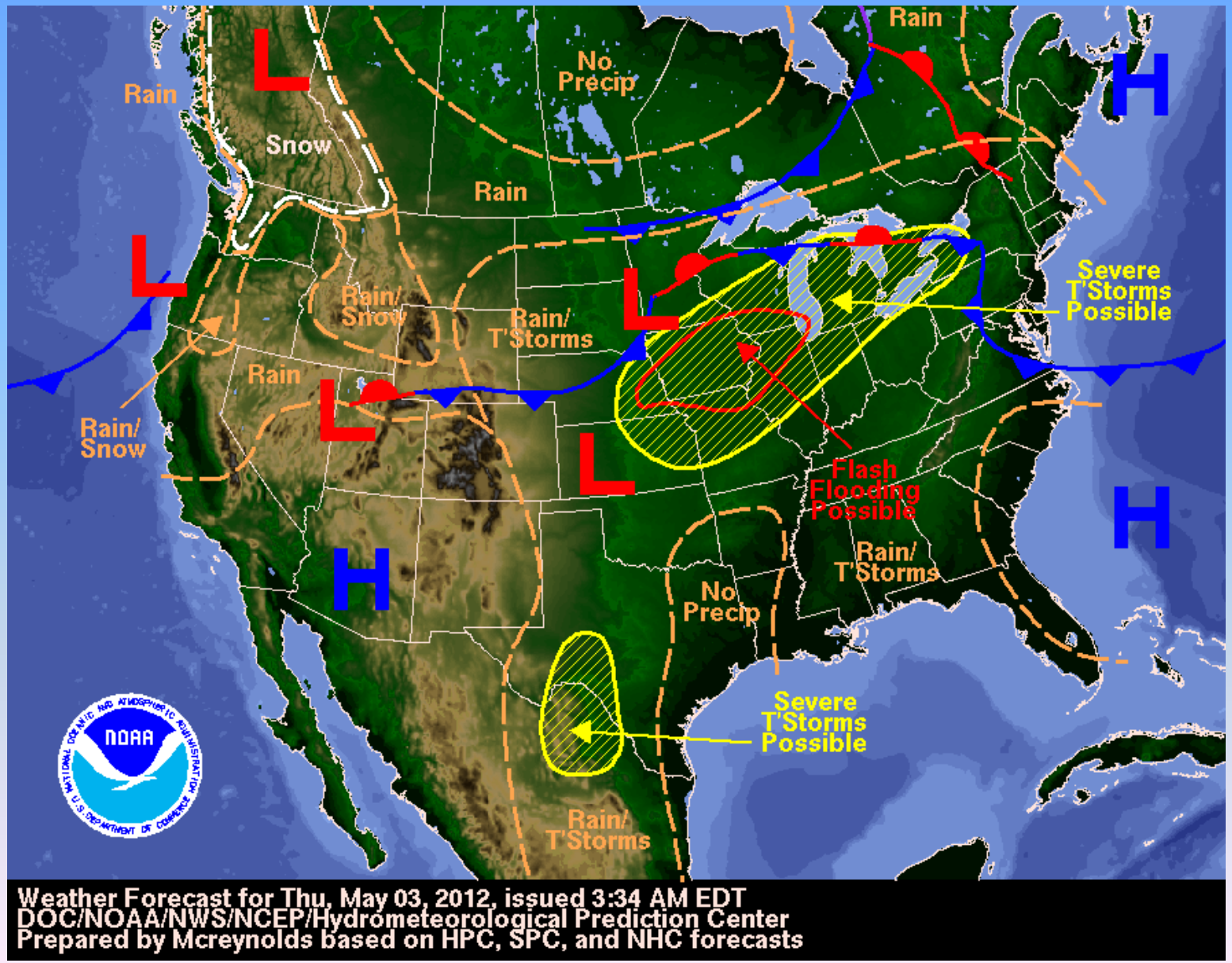
Severe Winds



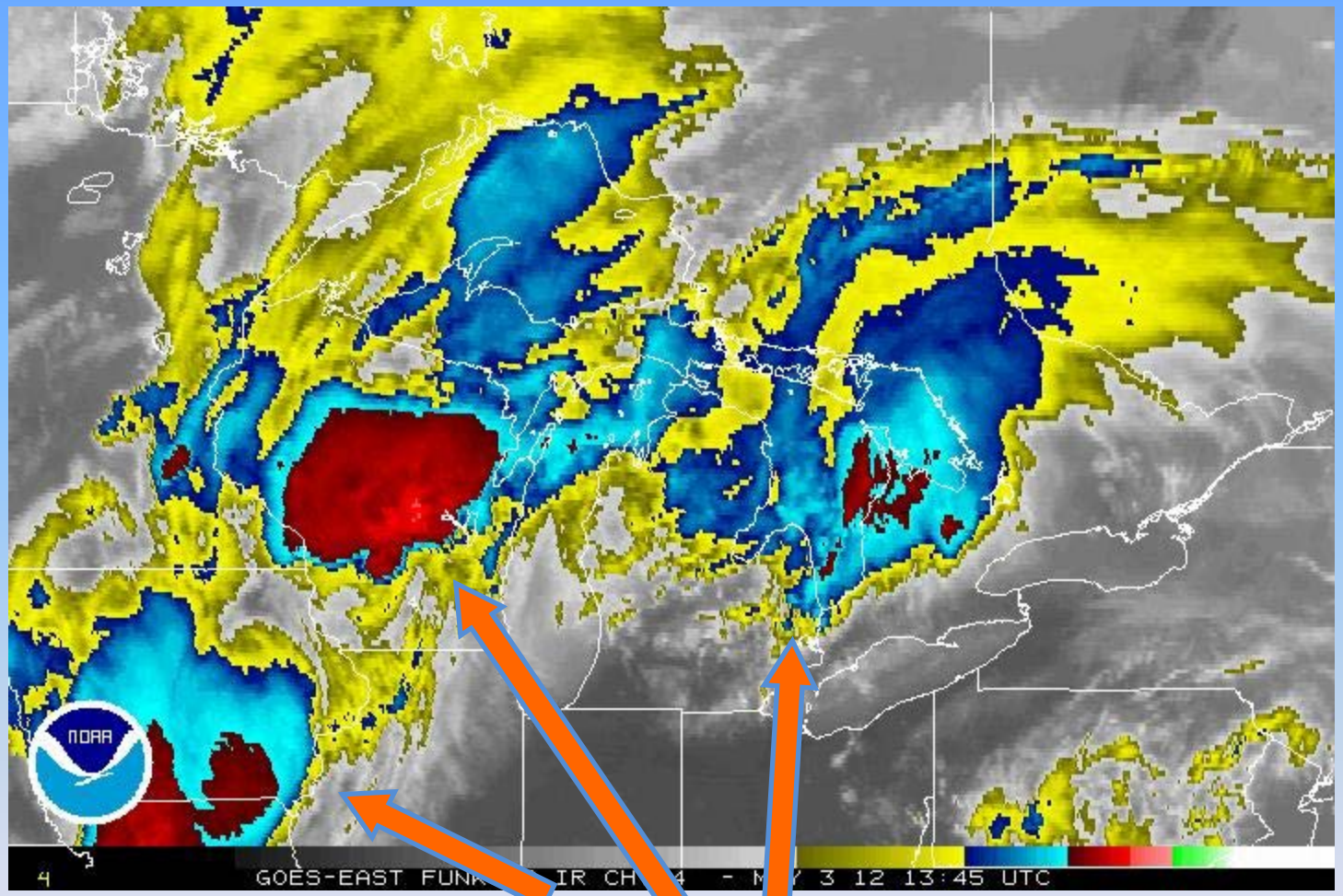
Severe Hail


5%
15%
30%
5%
SPC DAY 1 HAIL OUTLOOK
ISSUED: 1242Z
VALID: 03/1300Z-04/1200Z
FORECASTER: HART/GOSS
NOAA/NWS Storm Prediction Center, Norman, Oklahoma
Hail Probability Legend (in %):
5 15 30 45 60 Sig

Today's Forecast



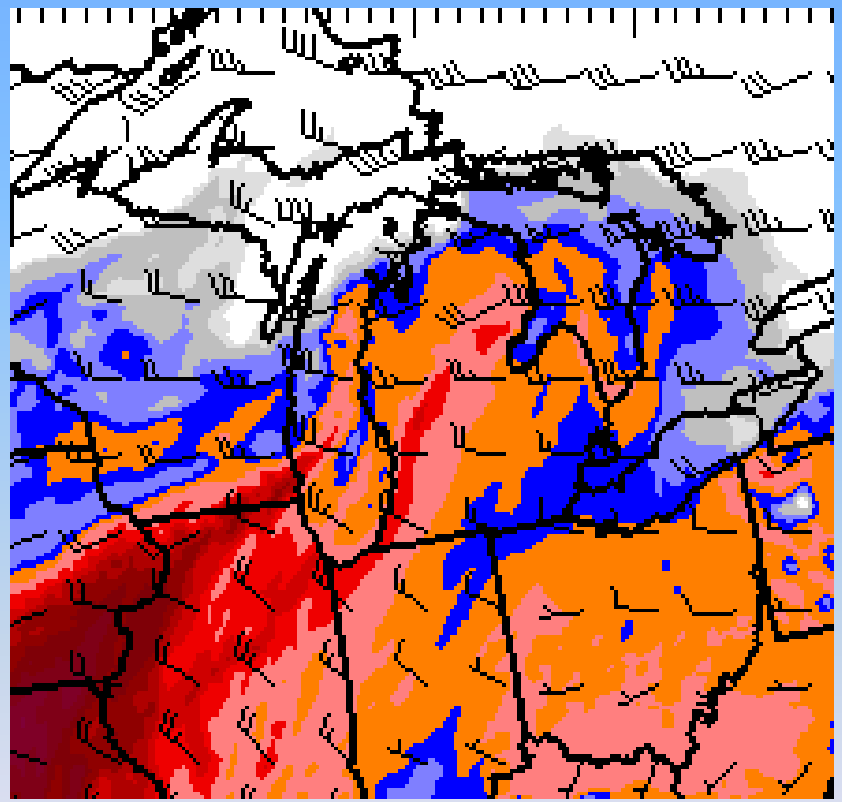
Thunderstorm Triggers



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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