Weather Briefing
September 20, 2014

National Weather Service
Detroit/Pontiac, MI

http://www.weather.gov/dtx

Email: w-dtx.webmaster@noaa.gov

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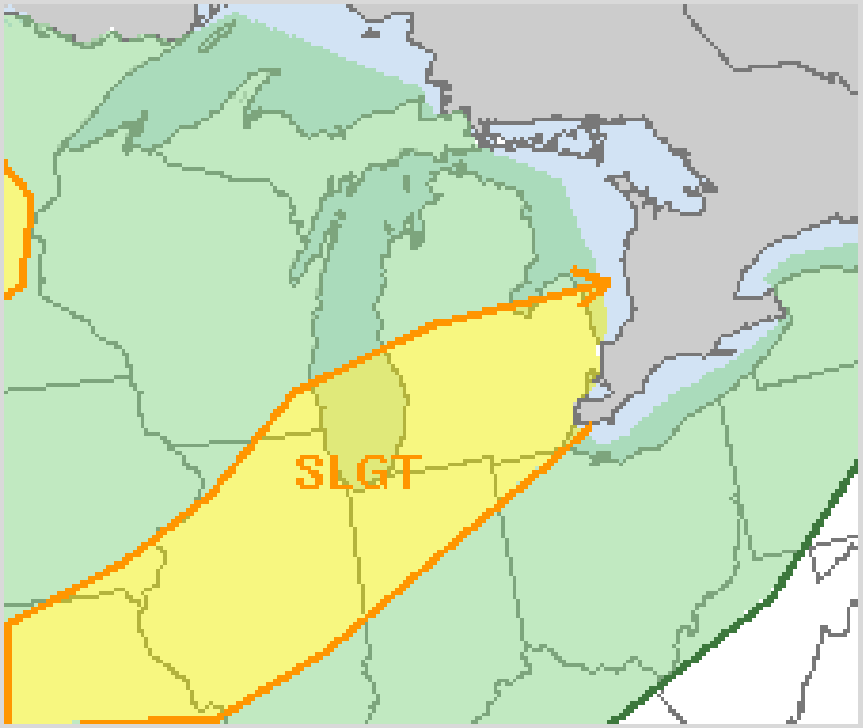
Hazard Summary

Thunderstorm Outlook Today And Tonight



- ✓ SE Michigan on fringe of outlook
- ✓ Storms near severe limits
- ✓ Isolated severe storms depending on afternoon temperatures and instability during afternoon through tonight
- ✓ Main threat damaging winds greater than 60 mph and hail 1 inch or larger

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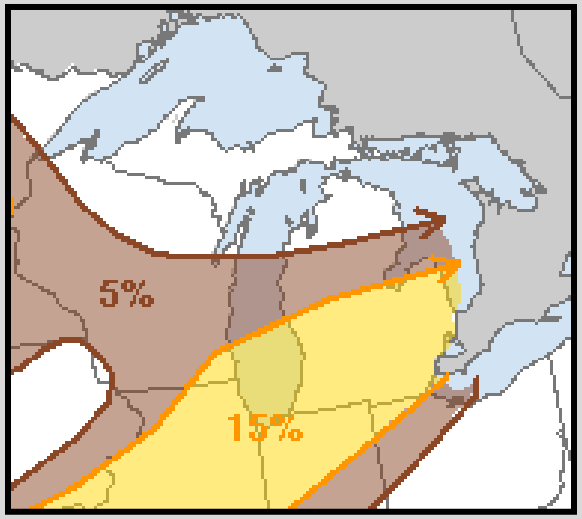
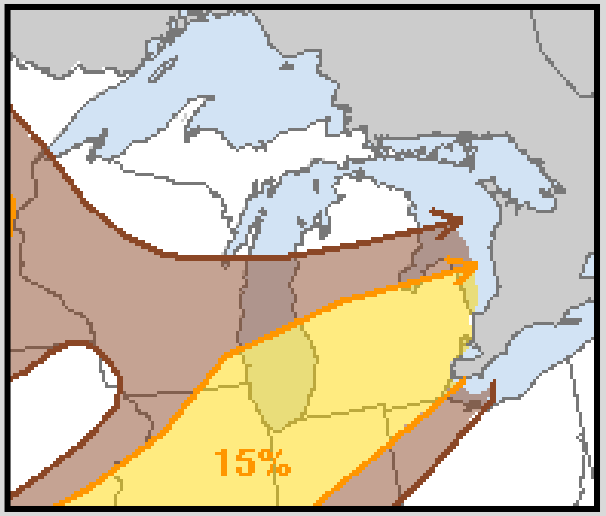
Severe Weather Threats
Afternoon and Evening



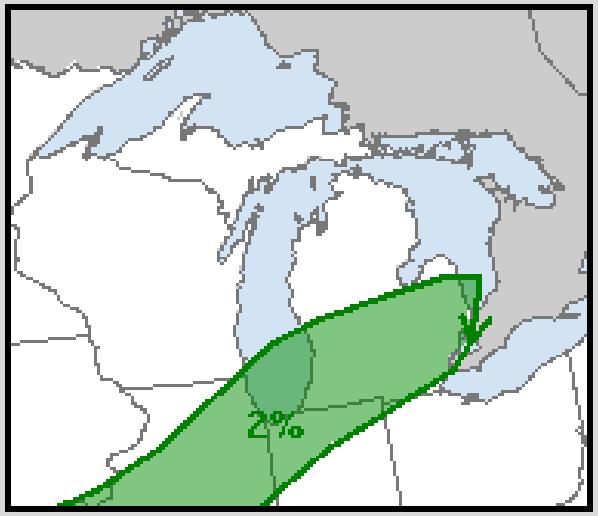
Damaging Winds

60 mph and greater



Large Hail

1” in diameter and larger



Tornado

Isolated tornado

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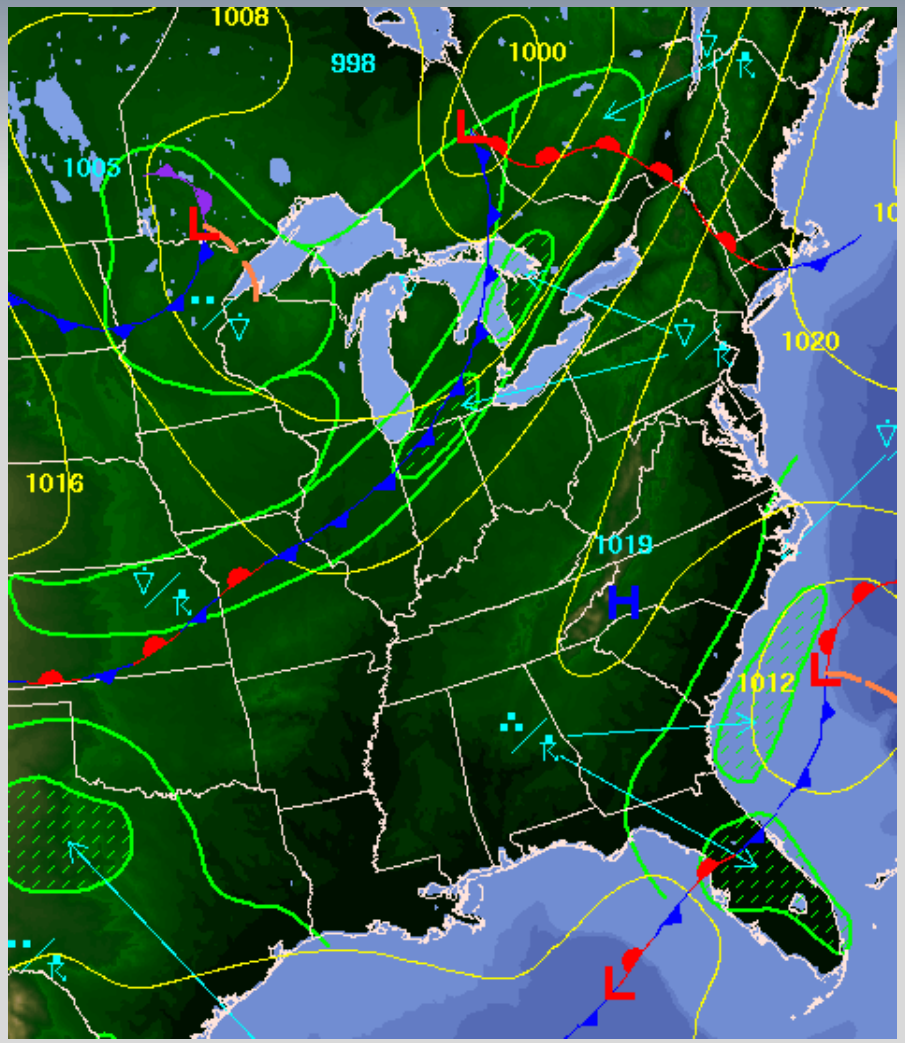
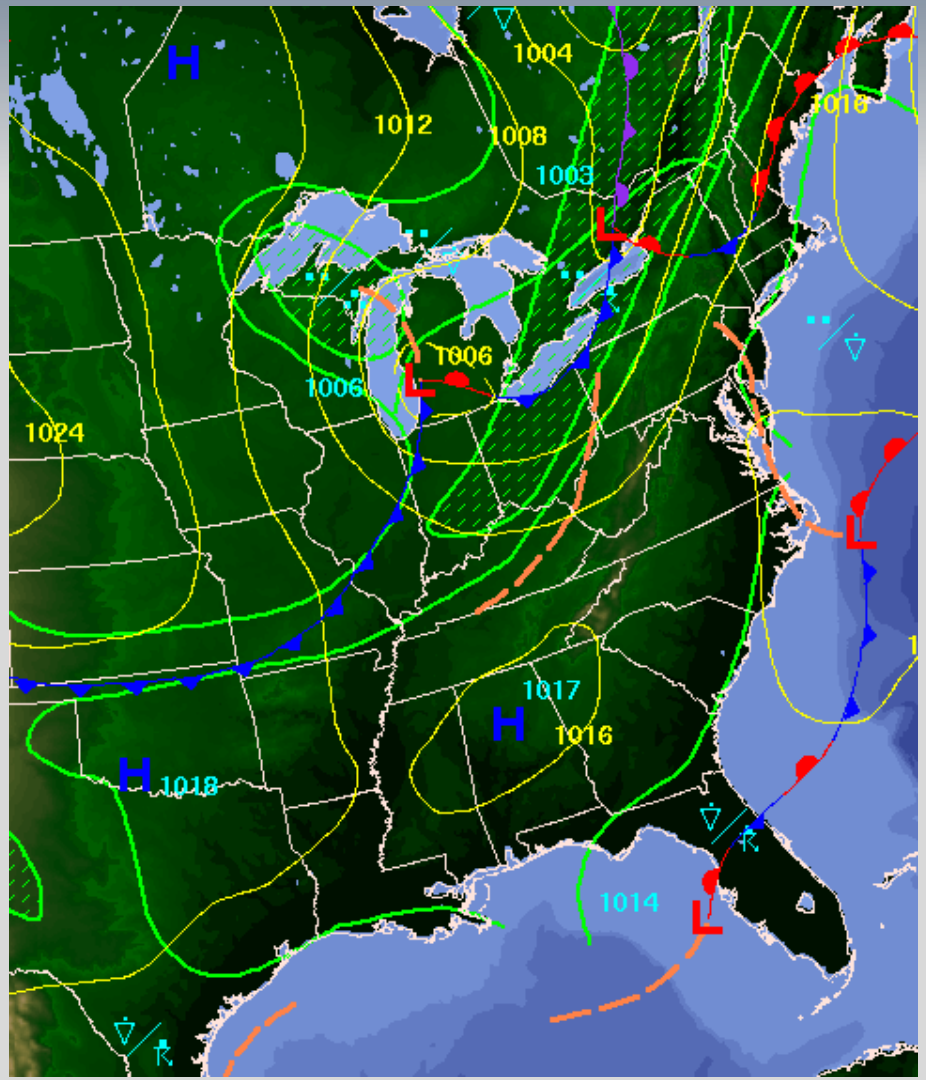
Decision Support Briefing
Highlights



Forecast Weather Map 8 PM Today

- Warm and humid air will spread quickly over lower Michigan today
- Storms will be possible within the warm air…
- …but mainly along and ahead of cold front during late afternoon and evening

Decision Support Briefing
Highlights



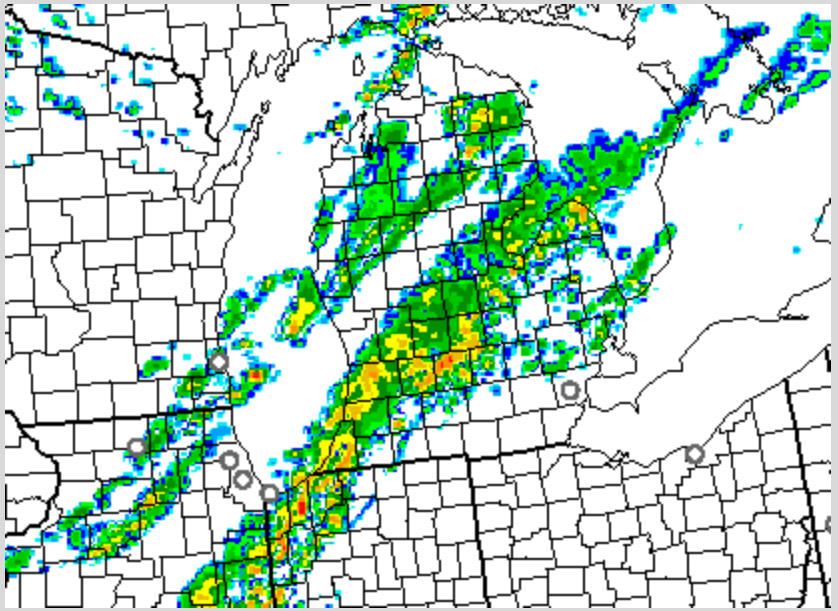
Forecast Map valid 8 AM Sunday

- Additional storm potential late tonight
- Fast moving low pressure connects with cold front
- Colder air aloft maintains or enhances instability

Forecast Challenges

- ✓ Severe weather potential will be strongly dependent on how warm and unstable the atmosphere can become during the afternoon through tonight.
- ✓ Uncertainty regarding amount of surface heating and cooler air aloft to fuel thunderstorm intensity.

Best model forecast radar valid 5 PM today



Additional Information

Local Hazards Page
http://www.weather.gov/detroit/svr.php

Storm Prediction Center
http://www.spc.noaa.gov

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