Severe Weather Risk

November 17, 2013

Threat Assessment for south-central Indiana and central Kentucky

Prepared at: 4:15 AM EST
Nov 17, 2013

John Denman and
Andrea Schoettmer
lmk.ops@noaa.gov

NWS Louisville KY

Expected Impacts

Timing:

- **Severe squall line with damaging wind and tornado threat is likely from mid afternoon through the evening**

- **Southern Indiana: 4-8 PM EST**
- **Louisville Metro: 6-9 PM EST**
- **Bluegrass Region: 7-10 PM EST**

- **Morning storms could produce heavy rain and gusty winds up to 40 mph…especially across southern Indiana and northern Kentucky.**

- **Strong south winds with gusts up to 40 mph are possible this afternoon/evening outside of any thunderstorms.**

Expected Impacts with Squall Line This Afternoon/Evening

Wind: Widespread wind damage is likely

Tornadoes: Isolated tornadoes are possible

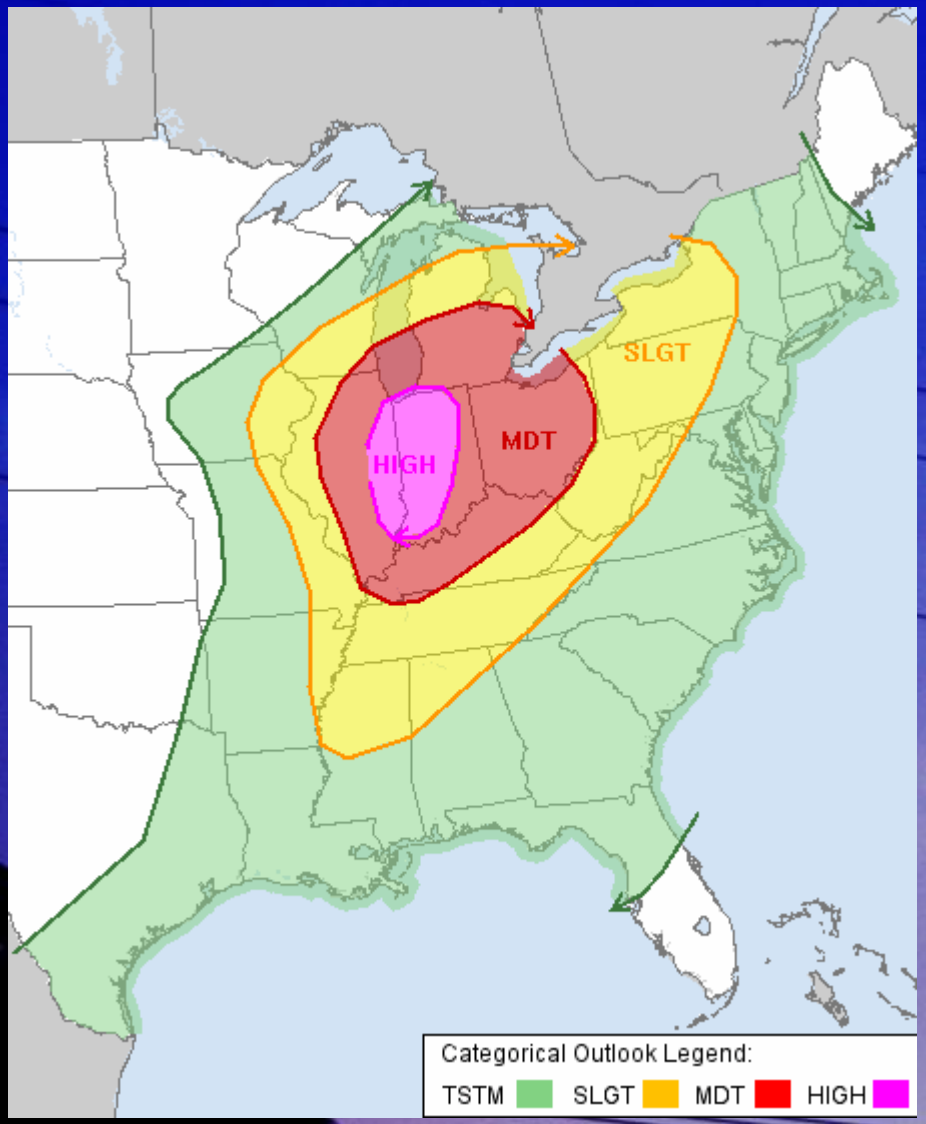
Hail: Small hail, generally less than quarter size is possible

Expected Impacts with Squall Line This Afternoon/Evening

Location: Severe weather is possible anywhere in southern Indiana and central Kentucky

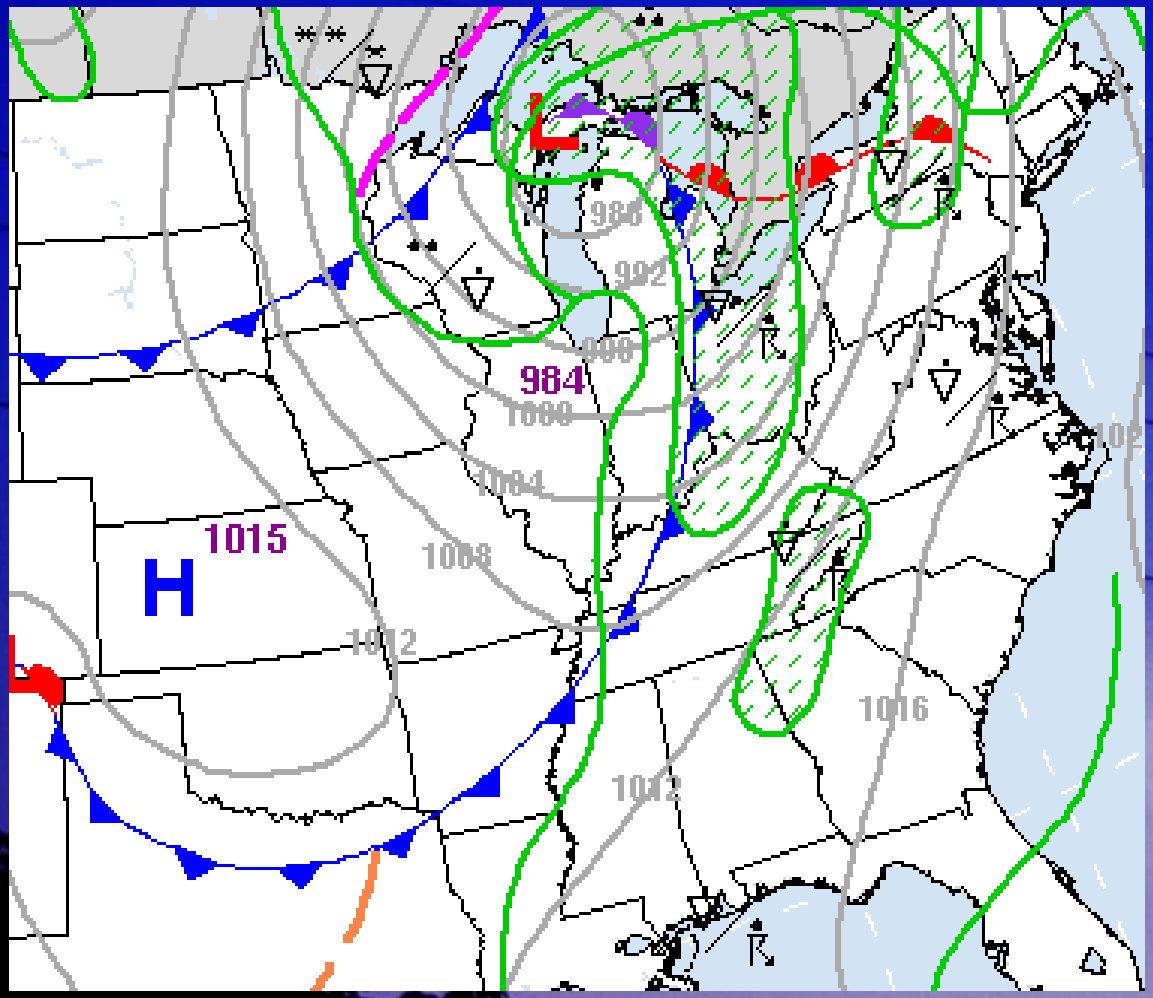
Greatest threat is in southern Indiana, and along/north of the Western Kentucky and Bluegrass Parkways

Severe Weather Outlook



- Large squall line likely this afternoon/ evening
- Widespread damaging winds and isolated tornadoes will be the main threats

Weather Map Overview



- A strong, upper-level disturbance will move through the Upper Midwest late today
- This will drag a cold front through the region this evening
- A large, expansive line of thunderstorms will develop along/ahead of this front this afternoon/evening

WPC Forecast for 7 PM EST Sunday

Confidence and Uncertainty

- Confidence in severe weather occurring is moderate
- Confidence in exact timing is moderate
- Limiting factor is instability
  - If we warm well into the 70s, tornado threat increases especially in southern Indiana!