



Severe Weather Later Today

June 22, 2016



National Weather Service

Chicago/Romeoville, IL

<http://www.weather.gov/chicago>



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Created: 6/22/2016 3:13 PM Central



Weather Hazards



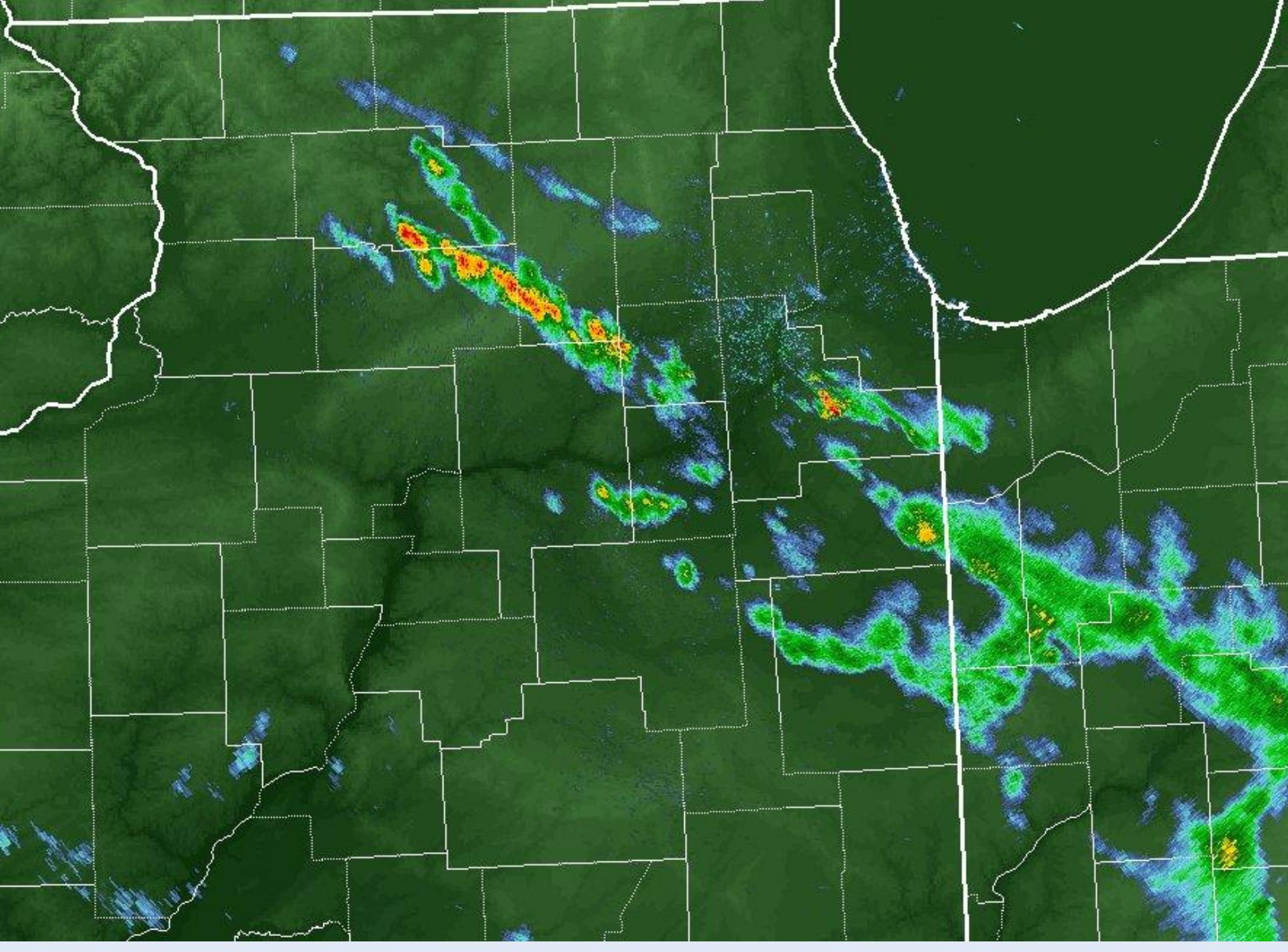
What	Where	Timing	Impacts	Confidence
Severe Thunderstorms	Area-Wide Moving southeast	Numerous/Widespread 4 PM – 12 AM	<i>All Severe Threats</i> <i>Afternoon/Evening</i> Damaging Winds Tornadoes Large hail	Medium-High
Flooding	Northern IL & Northwest IN	At times in the afternoon and evening	Minor flooding on area rivers & streams, urban flooding. Localized flash flooding	Medium



Early Afternoon Thoughts



- **Uncertainty**: A corridor of significant severe potential may develop near and along a warm front from northern IL into northwest IN, and there is uncertainty on the location of the front by the late afternoon.
- **Storm Mode**:
 - Initial discrete supercells appear probable in the mid-late afternoon across north central/northwest Illinois.
 - Supercell storm mode is more likely to persist farther southeast into the Chicago metro and northwest Indiana, with attendant risk for tornadoes, some strong (EF-2 +) and very large hail (2"+)
 - As storms continue to track east-southeast this evening, the damaging wind threat will likely increase. Embedded tornadoes will remain possible.





Today's Threat Timeline

2:00 PM

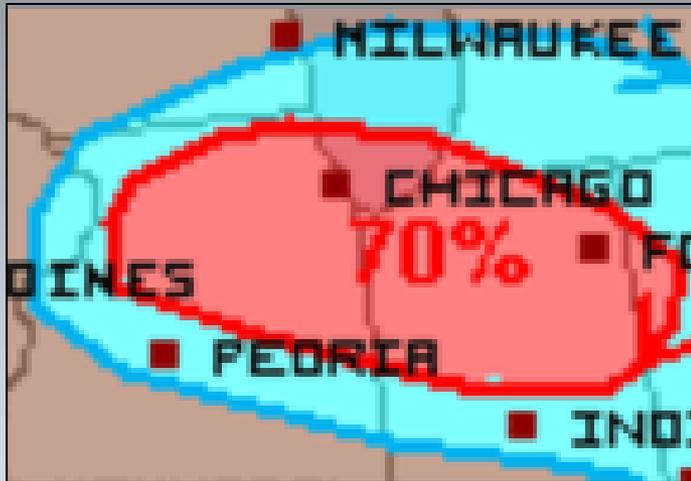
4 PM

12AM



Isolated to Scattered Storms
Small Threat of Large Hail

Highest Severe Storm Potential



70%+ chance of thunderstorms this evening
Outdoor events impacted



Approximate Severe Threat Timing



Threat Level

Significant Tornadoes (EF2 and Greater)



Low

High

Tornadoes (Less than EF2)



Low

High

Damaging Winds (≥ 58 MPH)



Low

High

Large Hail (≥ 1 inch diameter)



Low

High

Flash Flooding



Low

High

Thunderstorm Wind Damage Risk



Moderate Risk for Severe Thunderstorms



Risk Level	Definition
None	No thunderstorm wind risk.
Limited	Risk for sub-severe wind gusts (less than 58 mph) or Probability of severe wind gusts (58 mph or greater) within 25 miles of a point: Less than 15%
Elevated	Probability of severe wind gusts (58 mph or greater) within 25 miles of a point: Equal to or greater than 15%
Significant	Probability of severe wind gusts (58 mph or greater) within 25 miles of a point: Equal to or greater than 30%
Extreme	Probability of severe wind gusts (58 mph or greater) within 25 miles of a point: Equal to or greater than 45%

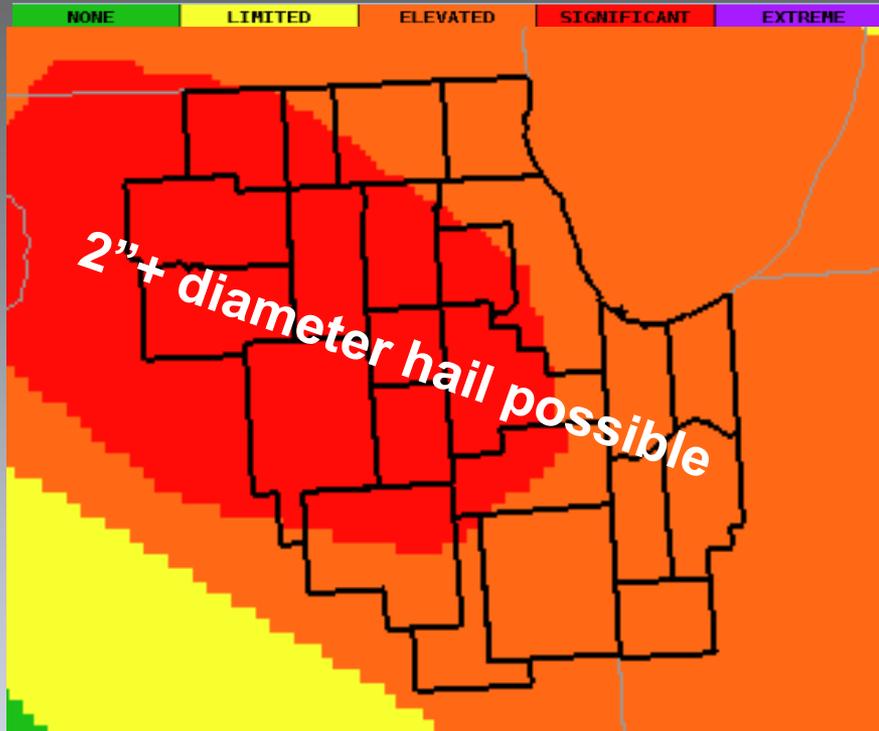
4 - MODERATE (MDT)

Widespread severe storms likely

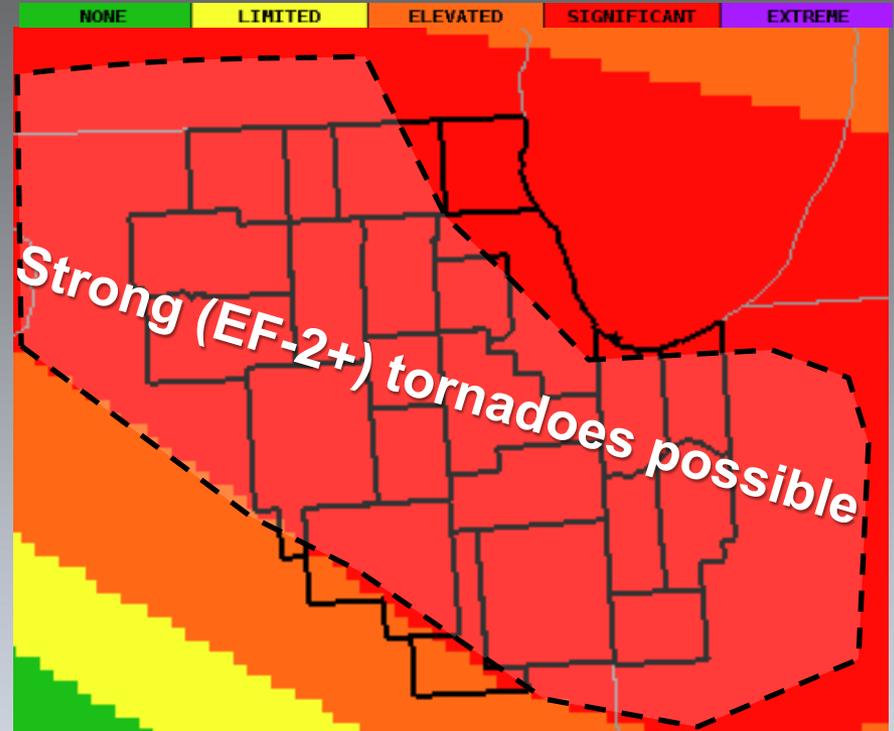
Long-lived, widespread and intense

- Strong tornadoes
- Widespread wind damage
- Destructive hail, 2" +

HAIL



TORNADO



Risk Level	Definition
None	No risk of hail.
Limited	Risk of sub-severe hail (less than 1") or Probability of severe hail (1" or greater) within 25 miles of a point: less than 15%
Elevated	Probability of severe hail (1" or greater) within 25 miles of a point: Equal to or greater than 15%
Significant	Probability of severe hail (1" or greater) within 25 miles of a point: Equal to or greater than 30%
Extreme	Probability of severe hail (1" or greater) within 25 miles of a point: Equal to or greater than 45%

Risk Level	Definition
None	No tornado risk.
Limited	Probability of a tornado within 25 miles of a point: less than 5 percent.
Elevated	Probability of a tornado within 25 miles of a point: greater than or equal to 5 percent.
Significant	Probability of a tornado within 25 miles of a point: greater than or equal to 10 percent.
Extreme	Probability of a tornado within 25 miles of a point: greater than or equal to 30 percent.



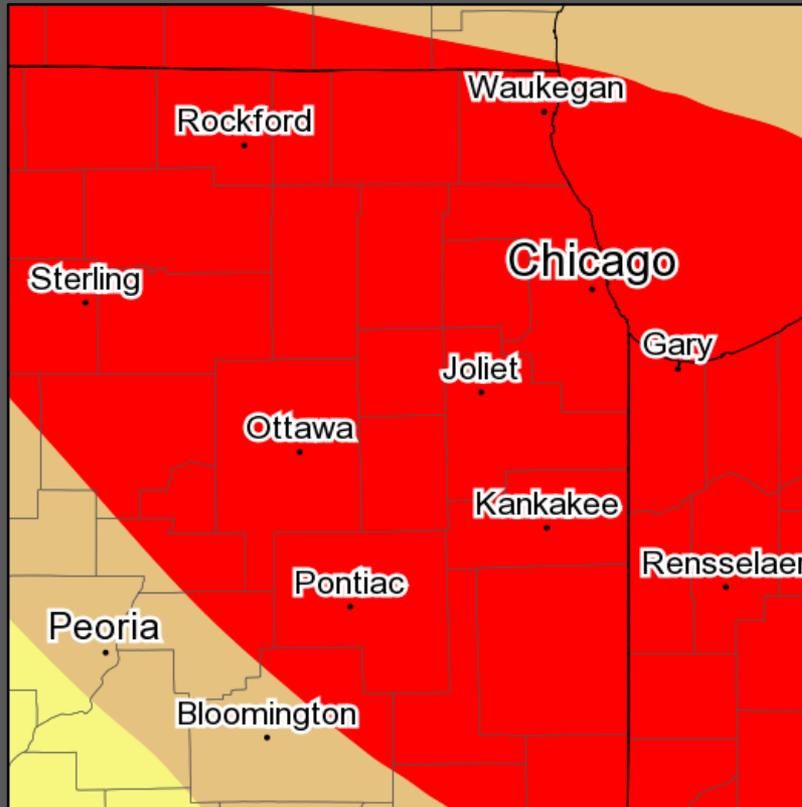
Key Message

- Many communities will see at least gusty storms, lightning, and heavy downpours this eve.
- Urge your family and friends to have their severe weather safety plan in place and know where to take shelter if necessary. Have multiple ways to receive warnings.
- Raise awareness, not panic.



ALERT: Severe Weather Likely Late This Afternoon and Evening

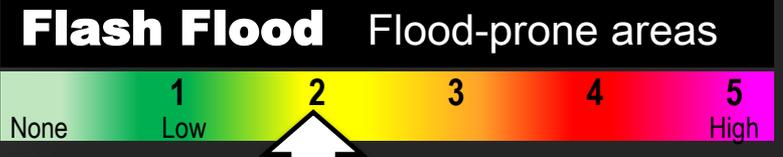
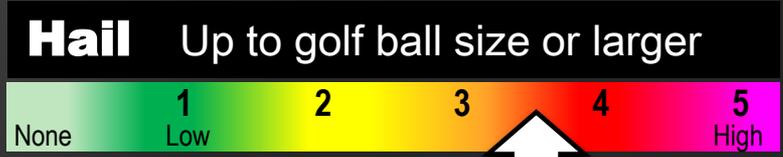
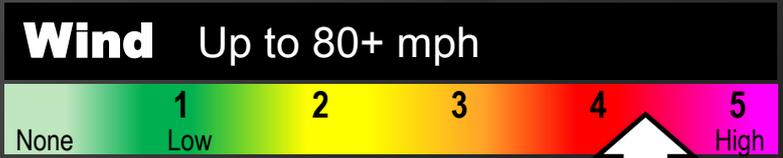
Severe Weather Risk



MODERATE RISK
Widespread severe storms likely

*Have multiple ways to receive warnings!
Have a plan. Be ready to shelter if needed.*

Potential Hazards: Threat Level



Important Note: Ingredients *could* come together for significant severe weather event. Small scale details will alter magnitude & area of greatest impacts.

When: Late afternoon & evening, significant damaging winds, tornadoes, hail all possible