

Two main sources for severe weather info

- NOAA/NWS Storm Prediction Center (SPC)
 - ◆ Convective Outlooks
 - Mesoscale Discussions
 - ◆ Severe Thunderstorm and Tornado <u>Watches</u>
 - ◆ On the Web: http://www.spc.noaa.gov
- NOAA/National Weather Service (NWS) Forecast Offices
 - ◆ Severe Thunderstorm and Tornado <u>Warnings</u>
 - ❖ Information via NOAA Weather Radio
 - On the Web: http://www.weather.gov

Note: There are <u>many</u> sources for severe weather information, but these entities are solely responsible for issuing their respective products.

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What is SPC's Responsibility?



- ♣ Forecast severe storms across the 48 contiguous states
 - ◆ Tornadoes



- + Hail 1" diameter or larger
- ₹ Thunderstorm winds > 58 m.p.h.
- Also monitor for:
 - Heavy rain
 - ◆ Winter Weather
 - Conditions favorable for wildfire initiation

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SPC Products

- Severe Weather Outlooks
 - ◆ Day 1 (today)
 - ◆ Day 2 (tomorrow)
 - ◆ Day 3 (day after tomorrow)
 - ◆ Day 4–8
- - ★ Tornado
 - Severe Thunderstorm



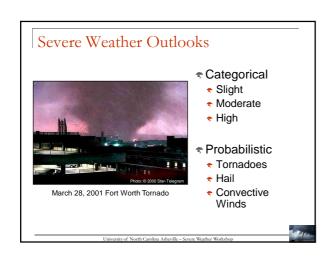
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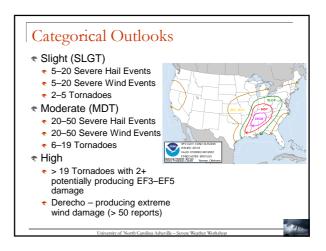
More SPC Products

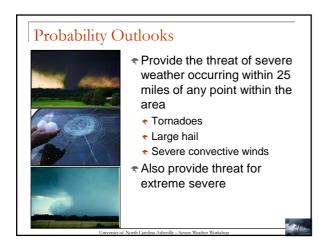
- Mesoscale Discussions
- ₹ Watch Status Messages
- Severe Weather Statistics
- Fire Weather Outlooks
 - ◆ Day 1 (today)
 - Day 2 (tomorrow)
 - ◆ Day 3–8

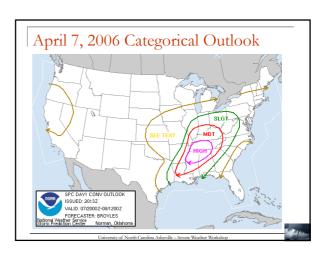


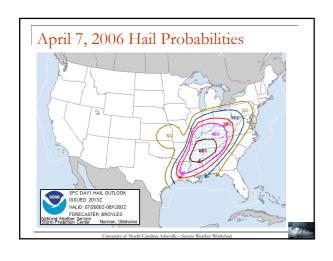
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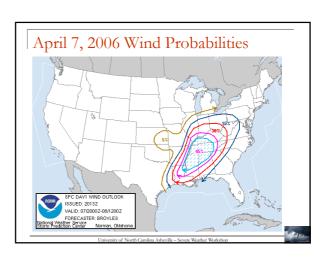


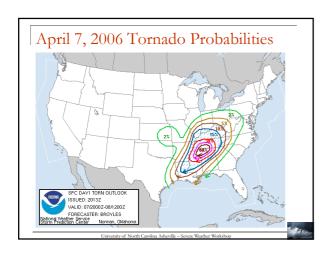


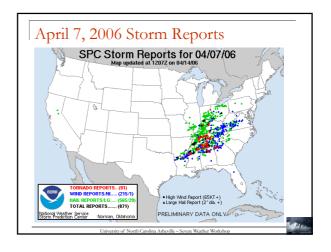


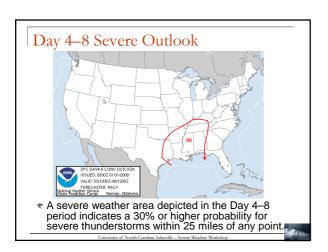


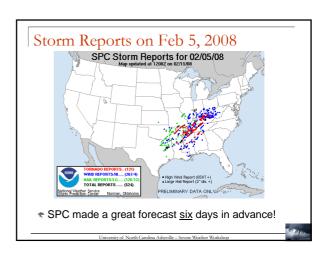












Mesoscale Discussions: Technical discussions of developing mesoscale features and their impact on hazardous weather What, when, where, why Emphasis on the short term outlook Written in plain language Geared for professional meteorologists Winter weather Freezing rain, rapidly accumulating snow, blizzards Heavy rainfall Severe thunderstorm potential/Outlook upgrade 1–2 hours prior to a watch 2–3 hour cycle during watch Change in convective outlook category Thunderstorms not expected to become

Weather Watches *Issued when the risk of a hazardous weather or hydrologic event has increased

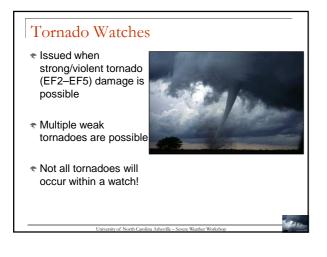
significantly but its occurrence, location,

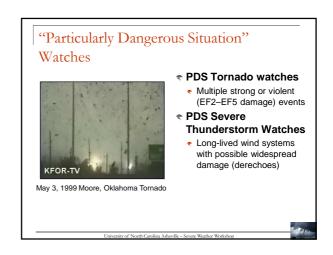
and/or timing is still uncertain.

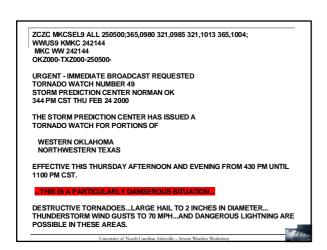
A watch is intended to provide enough lead time so that those who need to set their plans in motion can do so (e.g., emergency managers, television meteorologists, spotters, schools, anyone planning outdoor activities, etc.).

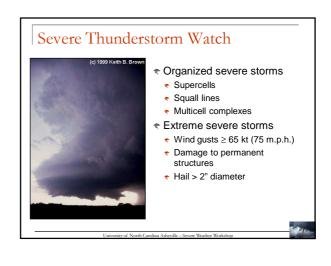
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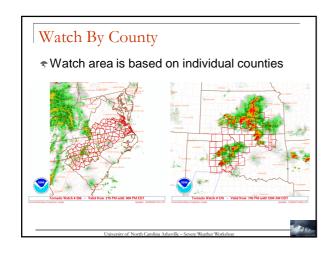
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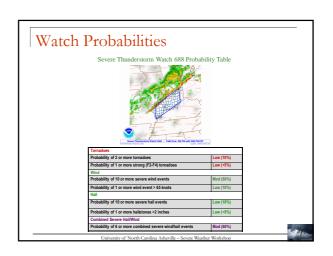


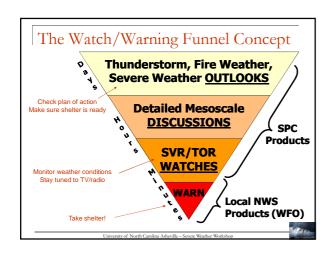












* Issued when a hazardous weather or hydrologic event is occurring, is imminent, or has a very high probability of occurring. * A warning is used for conditions posing a threat to life or property. * Warnings are issued by a local NOAA/ National Weather Service Forecast Office* *Exception: Hurricane warnings are issued by the NOAA/National Hurricane Center **Discretic of North Carolina Adherille - Sever Weather Wirtshop

