

Two main sources for severe weather info

- NOAA/NWS Storm Prediction Center (SPC)
 - ◆ Convective Outlooks
 - Mesoscale Discussions
 - Severe Thunderstorm and Tornado Watches
 - On the Web: http://www.spc.noaa.gov
- NOAA/National Weather Service (NWS) Forecast Offices
 - Severe Thunderstorm and Tornado Warnings
 - * 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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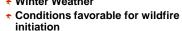
What is SPC's Responsibility?



- 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



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SPC Products

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



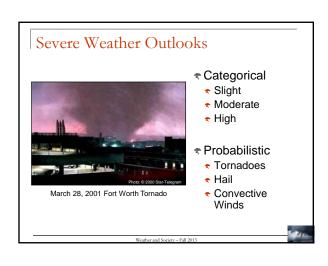
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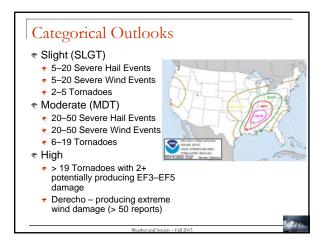
More SPC Products

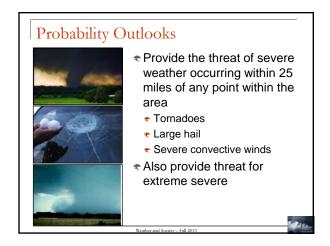
- ← Mesoscale Discussions
- ◆ Severe Weather Statistics
- ◆ Fire Weather Outlooks
 - ◆ Day 1 (today)
 - ◆ Day 2 (tomorrow)
 - ◆ Day 3–8

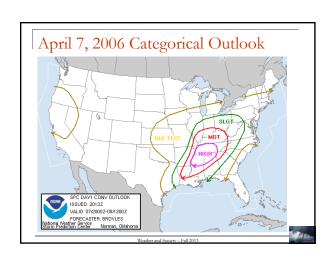


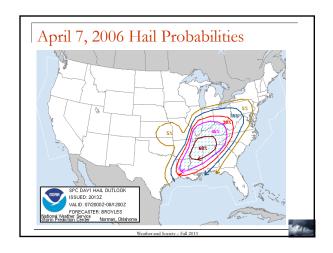
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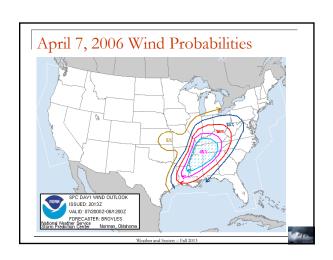


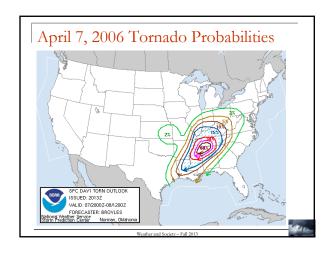


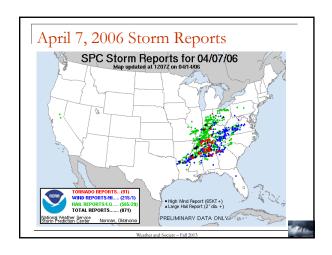


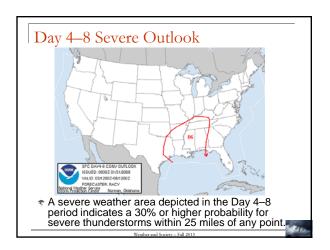


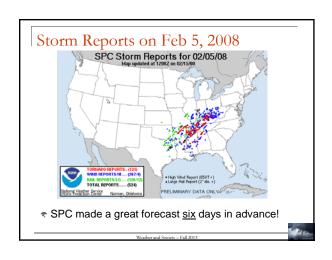












Mesoscale Discussions: Technical discussions of developing mesoscale features and their impact on hazardous weather * What, when, where, why * Emphasis on the short term outlook * Written in plain language * Geared for professional meteorologists * Winter weather * Freezing rain, rapidly accumulating 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

♣ Issued when the risk of a hazardous weather or hydrologic event has increased significantly but its occurrence, location,

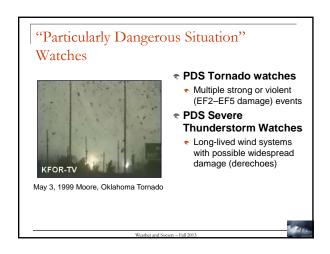
and/or timing is still uncertain.

Weather Watches

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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ZCZC MKCSEL9 ALL 250500;365,0980 321,0985 321,1013 365,1004;
WWUS9 KMKC 242144
MKC WW 242144
OKZ000-TXZ000-250500URGENT - IMMEDIATE BROADCAST REQUESTED
TORNADO WATCH NUMBER 49
STORM PREDICTION CENTER NORMAN OK
344 PM CST THU FEB 24 2000

THE STORM PREDICTION CENTER HAS ISSUED A
TORNADO WATCH FOR PORTIONS OF

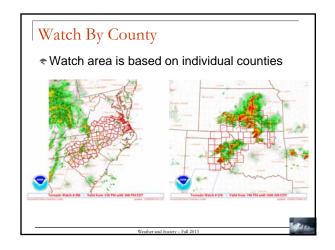
WESTERN OKLAHOMA
NORTHWESTERN TEXAS

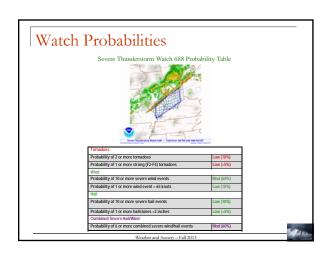
EFFECTIVE THIS THURSDAY AFTERNOON AND EVENING FROM 430 PM UNTIL
1100 PM CST.

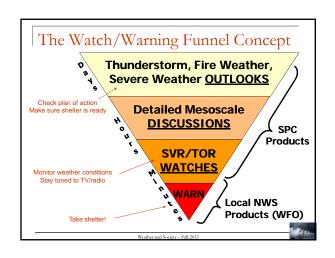
LTHIS IS A PARTICULARLY DANGEROUS SITUATION.

DESTRUCTIVE TORNADOES...LARGE HAIL TO 2 INCHES IN DIAMETER...
THUNDERSTORM WIND GUSTS TO 70 MPH...AND DANGEROUS LIGHTNING ARE
POSSIBLE IN THESE AREAS.









Weather Warnings * 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 issues by the NOAA/National Hurricane Center

