

Site  
Map

News Organization

Search for:



SPC



NCEP



All NOAA

Go

Local forecast by  
"City, St" or "ZIP"

Go

SPC on Facebook



@NWSSPC

NCEP Quarterly  
Newsletter

Home (Classic)

SPC Products

All SPC Forecasts

Current Watches

Meso. Discussions

Conv. Outlooks

Tstm. Outlooks

Fire Wx Outlooks

RSS Feeds

E-Mail Alerts

Weather Information

Storm Reports

Storm Reports Dev.

NWS Hazards Map

Watch/Warning Map

National RADAR

Product Archive

NOAA Weather Radio

Research

Non-op. Products

Forecast Tools

Svr. Tstm. Events

SPC Publications

SPC-NSSL HWT

Education &amp; Outreach

About the SPC

SPC FAQ

About Tornadoes

About Derechos

Video Lecture Series

WCM Page

Enh. Fujita Page

Our History

Public Tours

Misc.

Staff

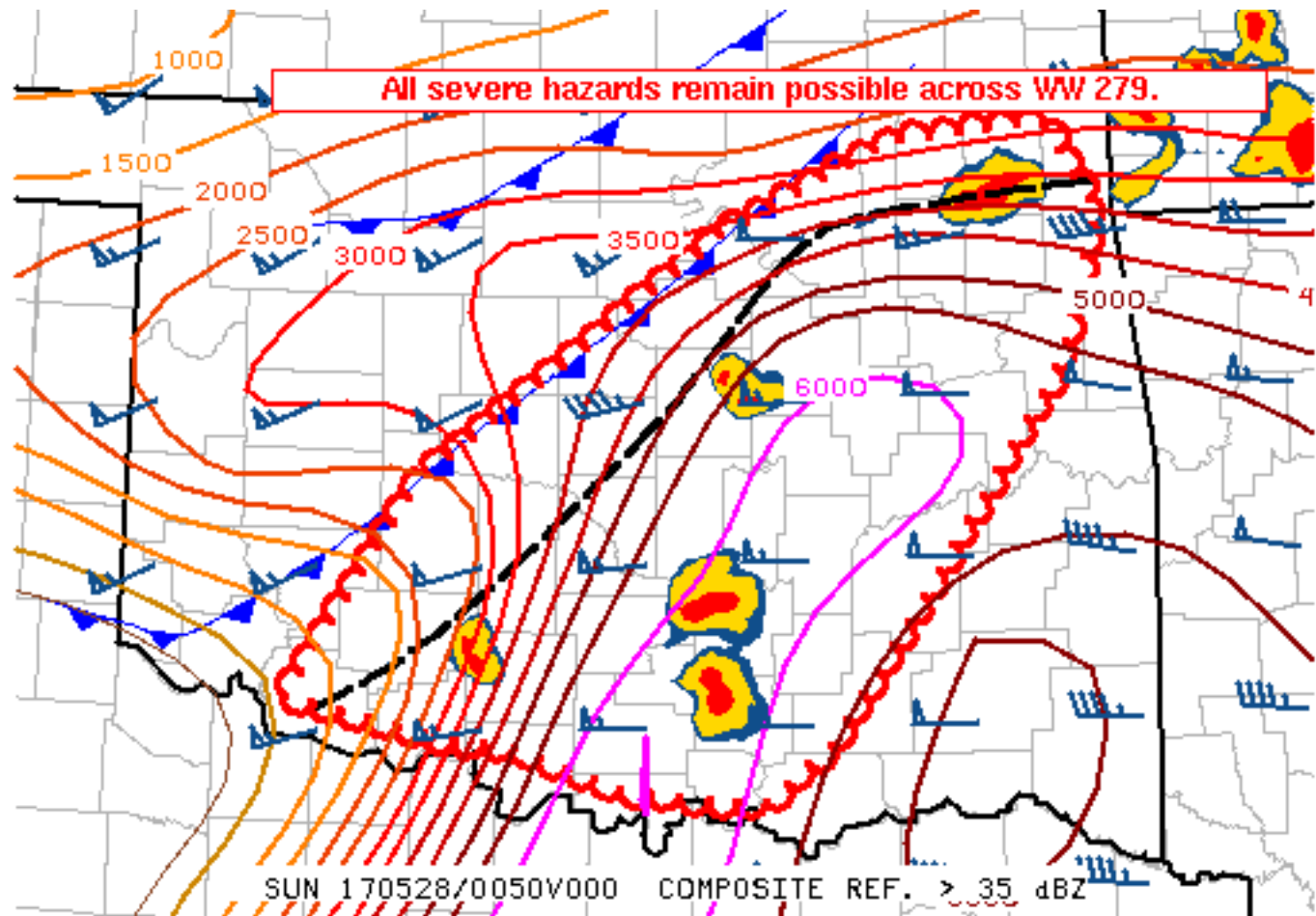
Contact Us

SPC Feedback

## Mesoscale Discussion 883

&lt; Previous MD

Next MD &gt;



SPC MCD #0883

Mesoscale Discussion 0883

NWS Storm Prediction Center Norman OK

0807 PM CDT Sat May 27 2017

Areas affected...Central and eastern OK

Concerning...Tornado Watch [279](#)...

Valid 280107Z - 280230Z

The severe weather threat for Tornado Watch 279 continues.

SUMMARY...The threat for all severe hazards continues across Tornado Watch 279. The coverage of potentially severe thunderstorms is expected to increase this evening as a cold front moves into the area.

DISCUSSION...Explosive thunderstorm development has recently occurred across portions of northeast and southern OK, with additional development underway across central and southwest OK. Regional ASOS and OK Mesonet obs, along with radar data, show

several boundaries across the region, with two notable features of interest being a cold front moving southward into central OK, and a pre-frontal wind shift near the I-44 corridor, where recent development has been noted.

In the short term, the primary convective mode is expected to be semi-discrete supercells. Extreme instability and sufficient effective shear (as noted on the 00Z OUN sounding) will support a threat of all convective hazards. Steep tropospheric lapse rates will support the potential for very large hail with any discrete cell. The tornado threat will be limited to some extent by relatively weak low-level flow, though as the low-level jet increases this evening from south-central into northeast OK, the tornado threat will increase with any remaining discrete cells. The cells currently developing across Lincoln into Creek County and also Stephens County may also have some increased tornado potential as they interact with the pre-frontal boundary.

Later this evening, an increase in convective coverage is expected along the cold front as it advances southeastward. A transition to more of a linear or QLCS mode is expected as that occurs, though all severe hazards will continue to be possible given the magnitude of instability and shear across the region.

..Dean.. 05/28/2017

...Please see [www.spc.noaa.gov](http://www.spc.noaa.gov) for graphic product...

ATTN...WFO...TSA...OUN...

LAT...LON 34389909 35339842 36469674 36859582 36929499 36539472  
35859493 34659584 34199620 33939656 33979701 34019739  
34169781 34219822 34389909

[Top/All Mesoscale Discussions/Forecast Products/Home](#)

Weather Topics:

[Watches](#), [Mesoscale Discussions](#), [Outlooks](#), [Fire Weather](#), [All Products](#), [Contact Us](#)