

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

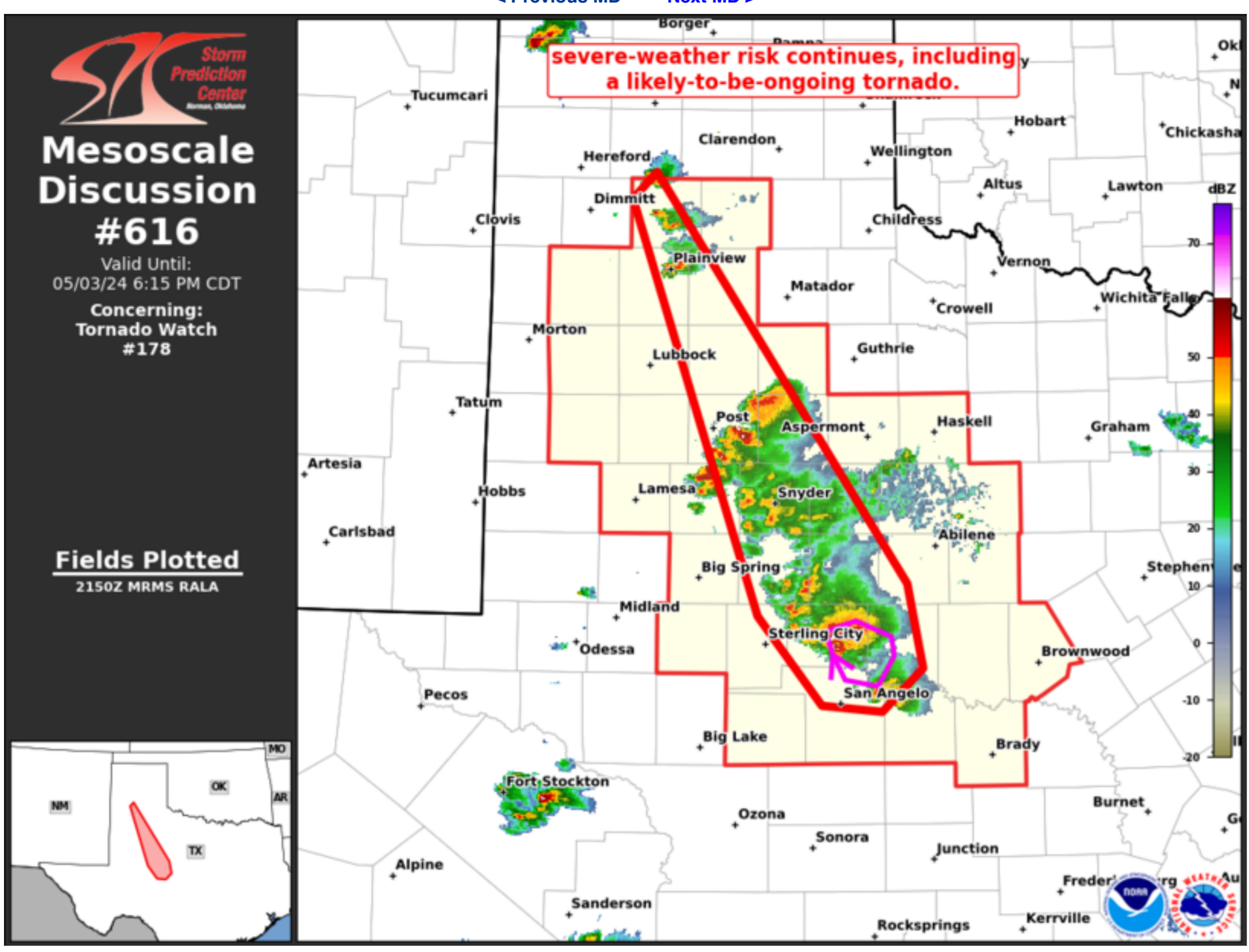
Find us on Facebook
 SPC on Facebook
 @NWSSPC
 NCEP Quarterly Newsletter

- 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
- National RADAR
- Product Archive
- NOAA Weather Radio
- Research
- Non-op. Products
- Forecast Tools
- Svr. Tstm. Events
- SPC Publications
- SPC-NSSL HWT
- Education & 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 616

[< Previous MD](#) [Next MD >](#)



Storm Prediction Center
Mesoscale Discussion #616
 Valid Until: 05/03/24 6:15 PM CDT
 Concerning: Tornado Watch #178
Fields Plotted
 2150Z MRMS RALA

Mesoscale Discussion 0616
 NWS Storm Prediction Center Norman OK
 0452 PM CDT Fri May 03 2024

Areas affected...west-central Texas...from the South Plains to the Concho Valley

Concerning...Tornado Watch 178...

Valid 032152Z - 032315Z

The severe weather threat for Tornado Watch 178 continues.

SUMMARY...Severe/isolated tornado risk continues across Tornado Watch 178, including a very intense/strongly rotating supercell moving southeastward across Coke County north of San Angelo.

DISCUSSION...Latest radar loop shows isolated storms extending from north of Lubbock southeastward to near San Angelo. Given the very favorable thermodynamic environment (2500 to 3500 J/kg mixed-layer CAPE per RAP-based objective analysis) across the area, and low-level southeasterlies veering to west-southwesterly at mid levels, risk for very large hail, locally damaging winds, and isolated tornadoes continues.

One storm in particular appears strongly tornadic at this time per radar observations. In addition to an extremely well-defined hook with an eye-like area of lesser reflectivity apparent, the latest storm-relative velocity data from the KSJT WSR-88D shows rotational velocity in excess of 90kt -- coincident with the "reflectivity eye" within the hook, would suggest the possibility of an ongoing significant tornado. While this storm is currently moving southeastward across relatively sparsely populated areas, continued southeastward motion could allow the storm to approach areas near and east of the San Angelo area in the next hour. With that said, a recent turn to a more east-southeastward motion has been observed in the past couple of volume scans.

..Goss.. 05/03/2024

...Please see www.spc.noaa.gov for graphic product...

ATTN...WFO...SJT...LUB...AMA...MAF...

LAT...LON 32000104 34620199 34780180 32209994 31689983 31400012
 31450056 32000104

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

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

National Weather Service • Since 1870

National Weather Service • Since 1870