

Site
Map

News Organization

Search for: SPC NCEP All NOAA 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

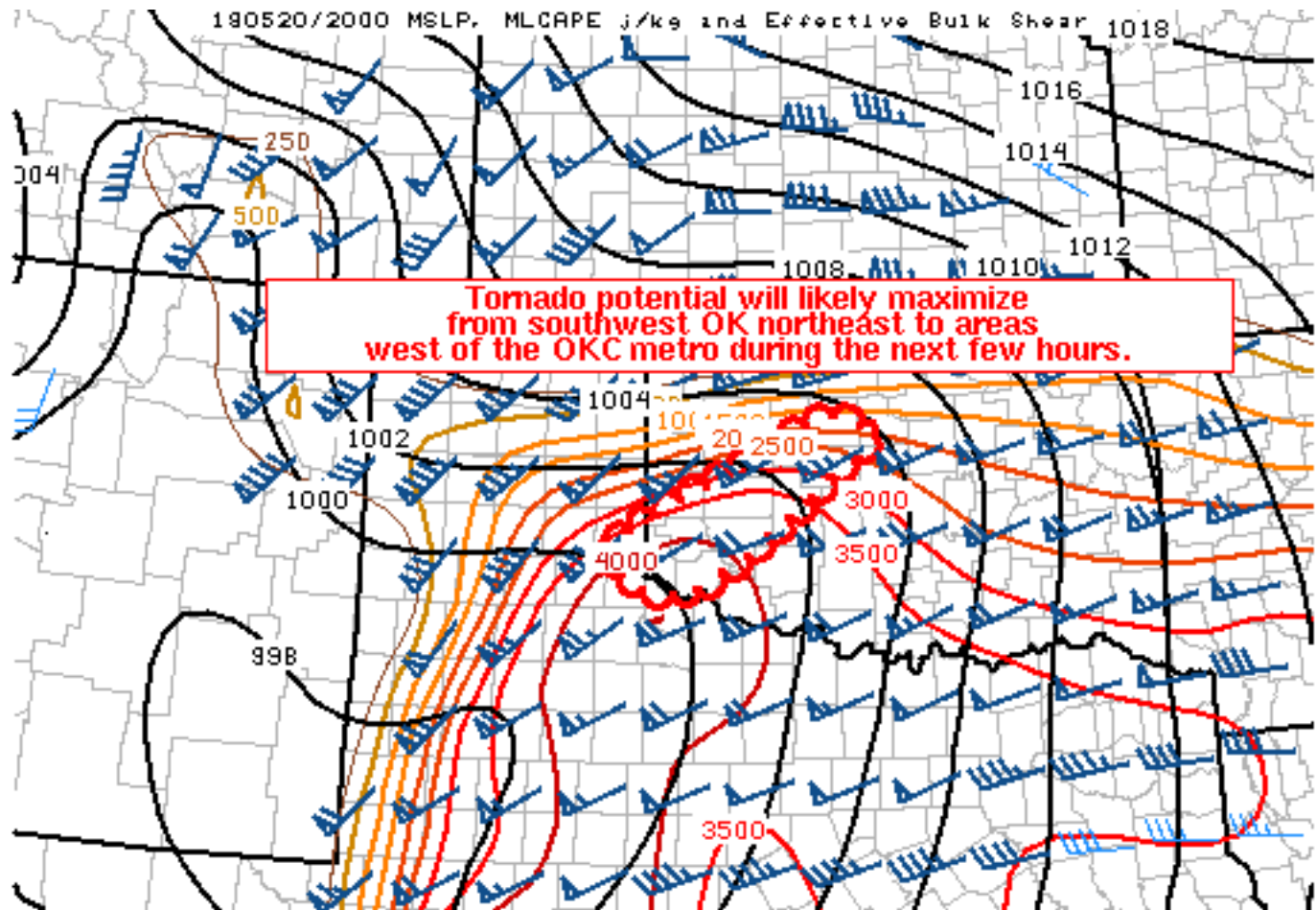
Misc.

Staff

Contact Us

SPC Feedback

Mesoscale Discussion 705

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

Mesoscale Discussion 0705

NWS Storm Prediction Center Norman OK

0346 PM CDT Mon May 20 2019

Areas affected...southwest and central OK

Concerning...Tornado Watch [199](#)...

Valid 202046Z - 202145Z

The severe weather threat for Tornado Watch 199 continues.

SUMMARY...Tornado potential will likely increase across southwest OK during the next few hours.

DISCUSSION...Radar mosaic shows several quasi-discrete supercells over the eastern TX Panhandle into the Low Rolling Plains. Additional storm development is possible over southwest OK ahead of the supercells located to the west. It is less clear regarding convective initiation and supercell development farther east towards the I-44/I-35 corridors (besides the Logan County supercell).



Surface analysis shows lower 70s surface dewpoints with temperatures ranging from the lower 80s over southwest OK to the middle 70s near OKC. A composite front/outflow-reinforced boundary is located across the eastern TX Panhandle arcing to the east-northeast to near Stillwater, OK. South of this boundary, a very unstable to extremely unstable airmass will support intense updraft development with existing storms. KTLX VAD data shows a larger hodograph compared to KFDR's VAD (0-1km SRH of 300 and 200 m2/s2, respectively).

Short-term model guidance has trended away from a possible scenario of discrete storm development over south-central OK. The most probable scenario involves several tornadic supercells likely moving across southwest OK and approaching the I-40 corridor west of the OKC metro.

..Smith.. 05/20/2019

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

ATTN...WFO...OUN...LUB...AMA...

LAT...LON 34820037 35489911 36019800 35849744 34419956 34820037

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

Weather Topics:

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

NOAA / National Weather Service
National Centers for Environmental Prediction
Storm Prediction Center
120 David L. Boren Blvd.
Norman, OK 73072 U.S.A.
spc.feedback@noaa.gov
Page last modified: May 20, 2019

[Disclaimer](#)
[Information Quality](#)
[Help](#)
[Glossary](#)

[Privacy Policy](#)
[Freedom of Information Act \(FOIA\)](#)
[About Us](#)
[Career Opportunities](#)