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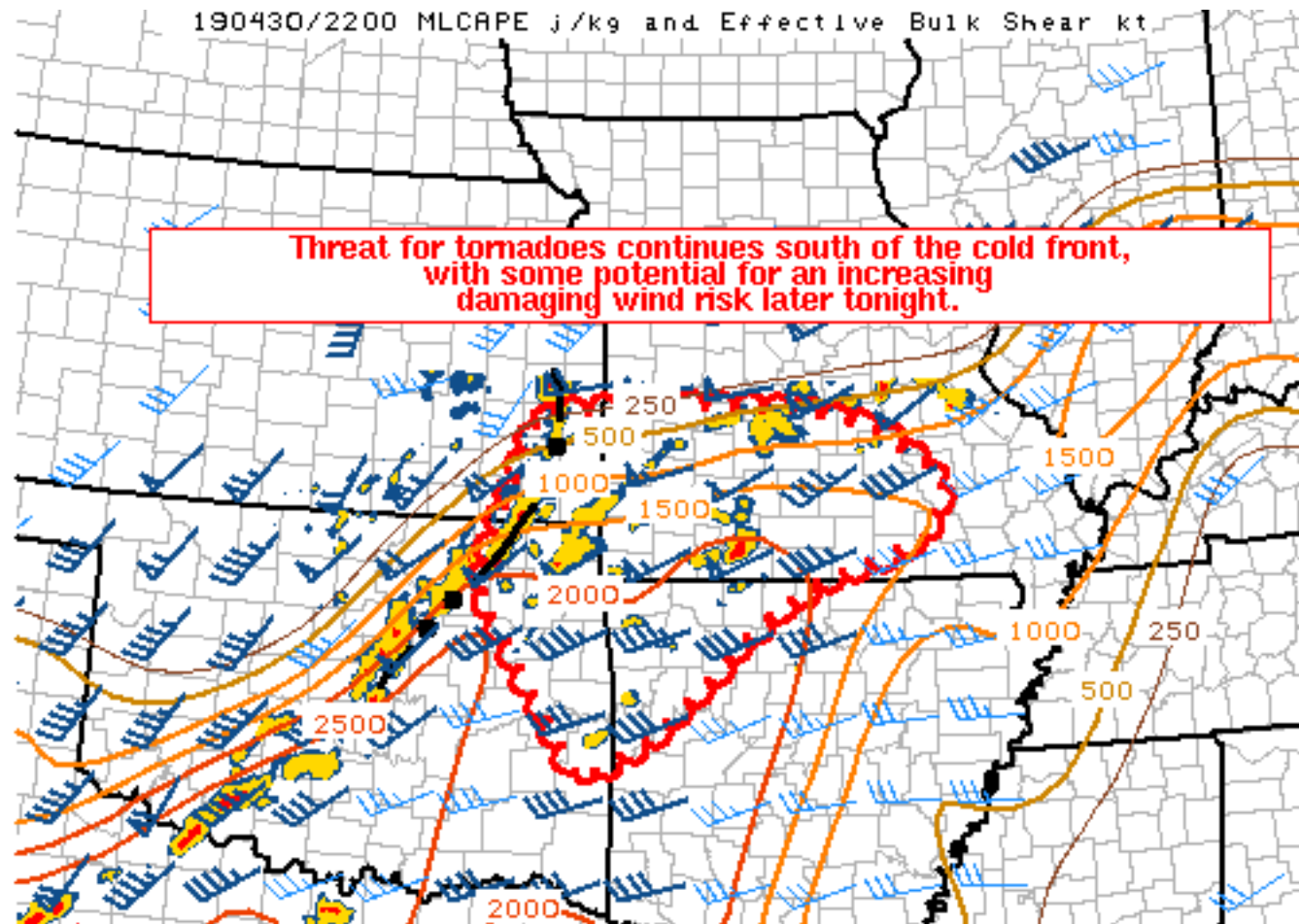
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Mesoscale Discussion 486

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Mesoscale Discussion 0486

NWS Storm Prediction Center Norman OK

0600 PM CDT Tue Apr 30 2019

Areas affected...Eastern OK...Southeast KS...Northwest AR...Southern MO

Concerning...Tornado Watch [111](#)...

Valid 302300Z - 010030Z

The severe weather threat for Tornado Watch 111 continues.

SUMMARY...The threat for tornadic supercells continues in the short term, with an eventual evolution into more of a damaging wind/QLCS tornado risk possible later tonight.

DISCUSSION...Occasionally tornadic supercells are ongoing across northeast OK, southwest MO, northwest AR at 23Z, within an environment characterized by MLCAPE of 1000-2000 J/kg, effective shear of 45-55 kt, and effective SRH of 250-400 m²/s². While this



activity is not quite as intense as earlier today, there continues to be a threat of tornadoes with any of the remaining semi-discrete supercells south of the cold front, including the threat of a strong tornado or two.

Meanwhile, convection has congealed along and just behind the primary cold front from southeast KS into northeast OK. As the low-level jet intensifies into this region this evening, further upscale growth is possible, and an eastward-moving complex capable of damaging wind and QLCS-mode tornadoes may become the primary threat later tonight.

..Dean.. 04/30/2019

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

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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
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