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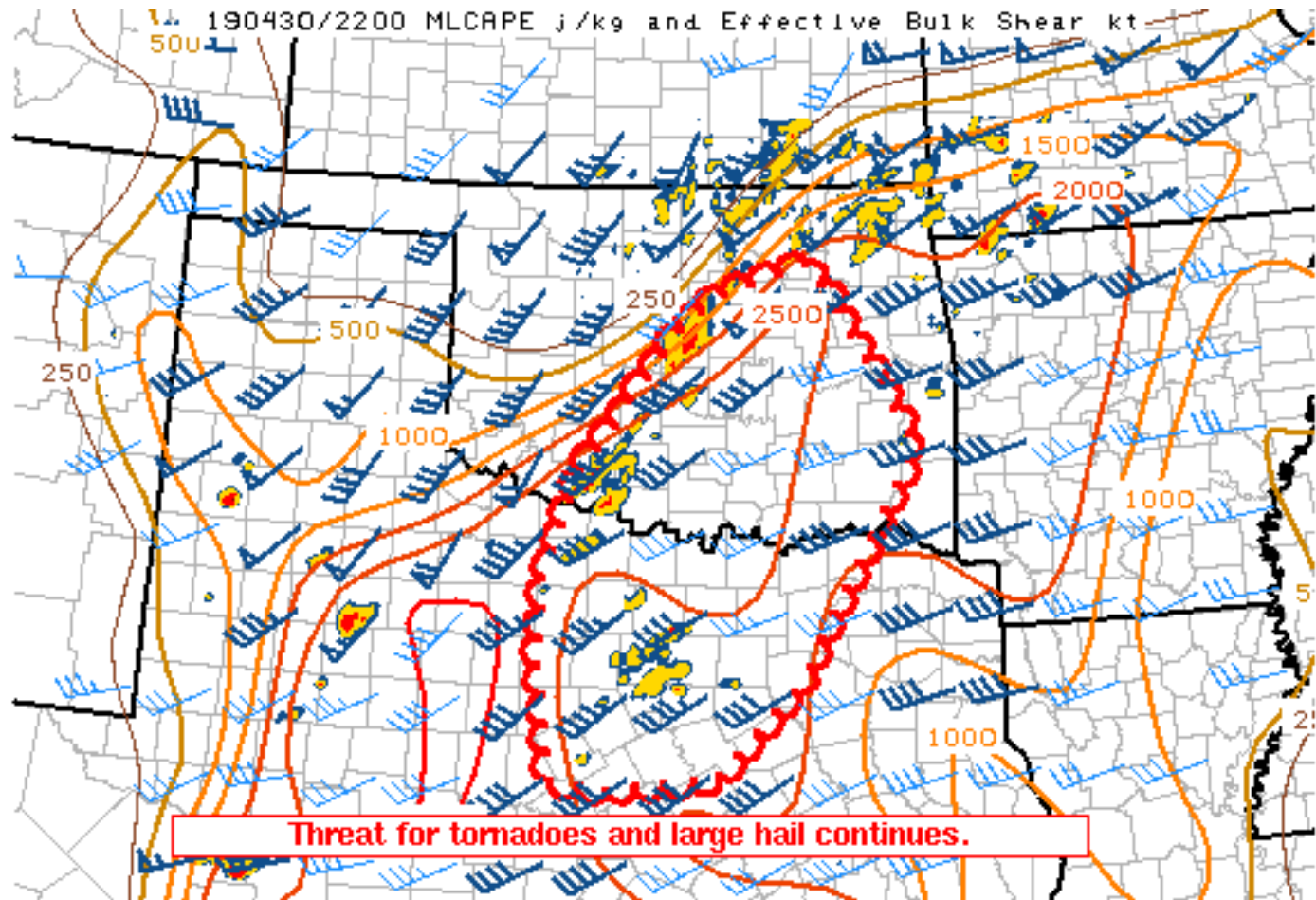
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SPC MCD #0485

Mesoscale Discussion 0485

NWS Storm Prediction Center Norman OK

0521 PM CDT Tue Apr 30 2019

Areas affected...Central OK into North TX

Concerning...Tornado Watch 111...113...

Valid 302221Z - 302345Z

The severe weather threat for Tornado Watch 111, 113 continues.

SUMMARY...The threat for tornadoes and large hail continues. A conditional strong tornado threat will remain present with any semi-discrete supercell.

DISCUSSION...At 2215Z, widespread convection is ongoing across north TX into central OK, with an outflow-reinforced cold front starting to move southeastward from the OKC metro into southwest OK. Multiple storm mergers have resulted in a relatively disorganized storm mode across much of central/southern OK, but one tornadic supercell



recently crossed the Red River from Clay County TX into Cotton County OK. While storm mode may continue to be a complicating factor into this evening, any sustained semi-discrete supercell will have the potential to produce a strong tornado, given the strong instability and favorable shear profiles noted on the 20Z OUN sounding and recent mesoanalyses. Backed low-level flow and an increasing low-level jet this evening will continue to support a tornado threat as ongoing pre-frontal convection spreads northeast with time into southeast OK and northeast TX.

As the outflow/cold front moves southeastward with time, areas on the cool side of the boundary will see a substantial reduction in the tornado threat, but a threat for large hail will continue with the strongest elevated updrafts. Some upscale growth is possible with time along and just behind the front, with a corresponding potential for damaging wind gusts.

..Dean.. 04/30/2019

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

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