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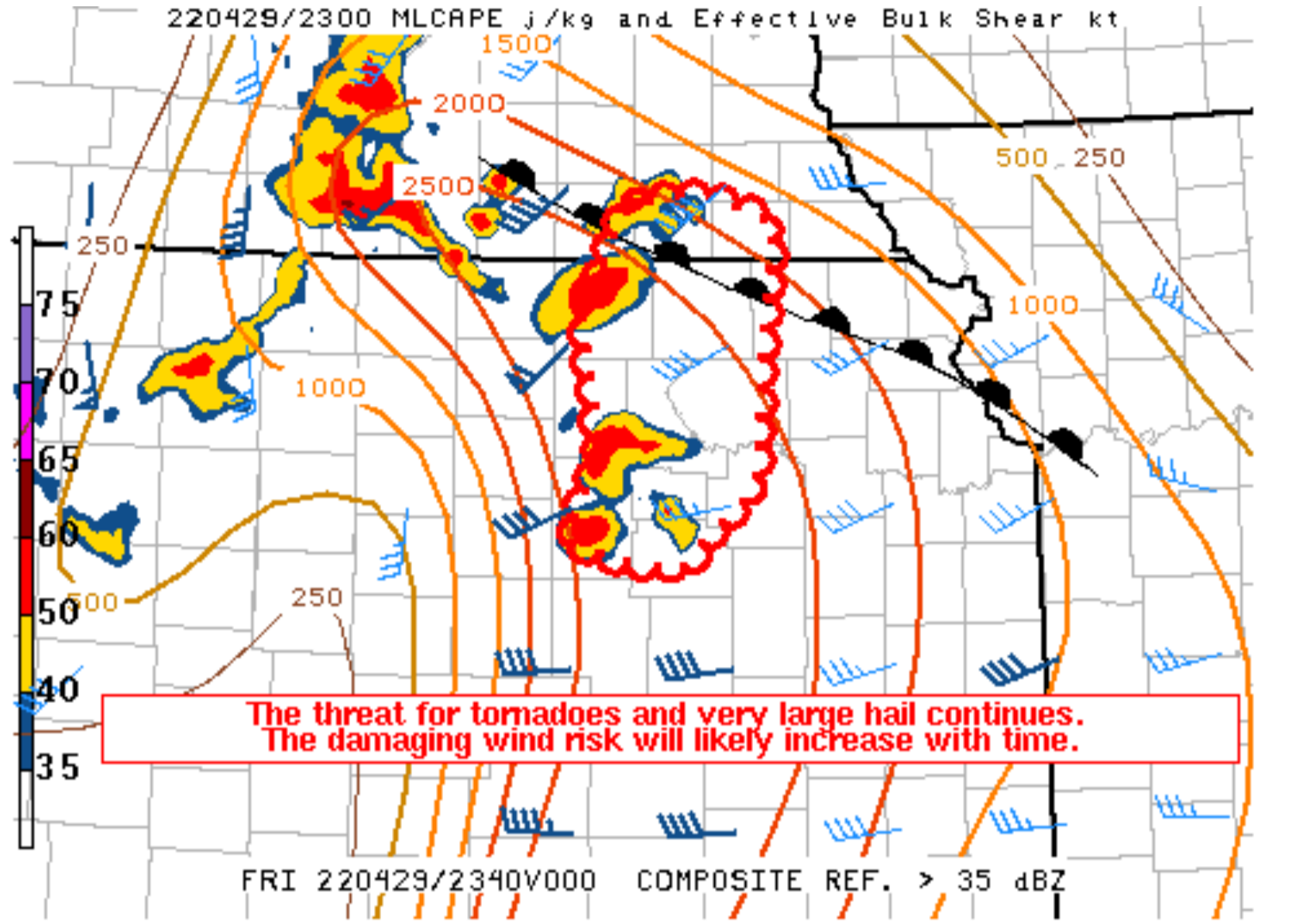
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Mesoscale Discussion 586

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SPC MCD #0586

Mesoscale Discussion 0586
 NWS Storm Prediction Center Norman OK
 0708 PM CDT Fri Apr 29 2022

Areas affected...Northeast KS and far southeast NE

Concerning...Tornado Watch 158...

Valid 300008Z - 300145Z

The severe weather threat for Tornado Watch 158 continues.

SUMMARY...The threat for tornadoes and very large hail continues. The damaging wind risk will likely increase with time this evening.

DISCUSSION...At 00Z, a supercell cluster is moving into far southeast NE, with other potentially tornadic supercells ongoing across Washington County, KS, to the west of Wichita. Meanwhile, convection is rapidly increasing along an outflow which surged eastward and is intercepting the dryline.

MLCAPE in excess of 2000 J/kg and 0-1 km SRH greater than 200 m2/s2 will support the risk of tornadoes (including a strong tornado) with any semi-discrete supercell this evening, especially as storms move near the warm frontal zone. Very large hail will also remain possible, as evidenced by a 4-inch diameter hail report near Enterprise, KS. A tendency toward upscale growth is expected as convective outflow and eventually the synoptic cold front overtake the region, posing an increasing risk of damaging wind with time this evening.

..Dean.. 04/30/2022

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

ATTN...WFO...OAX...TOP...

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