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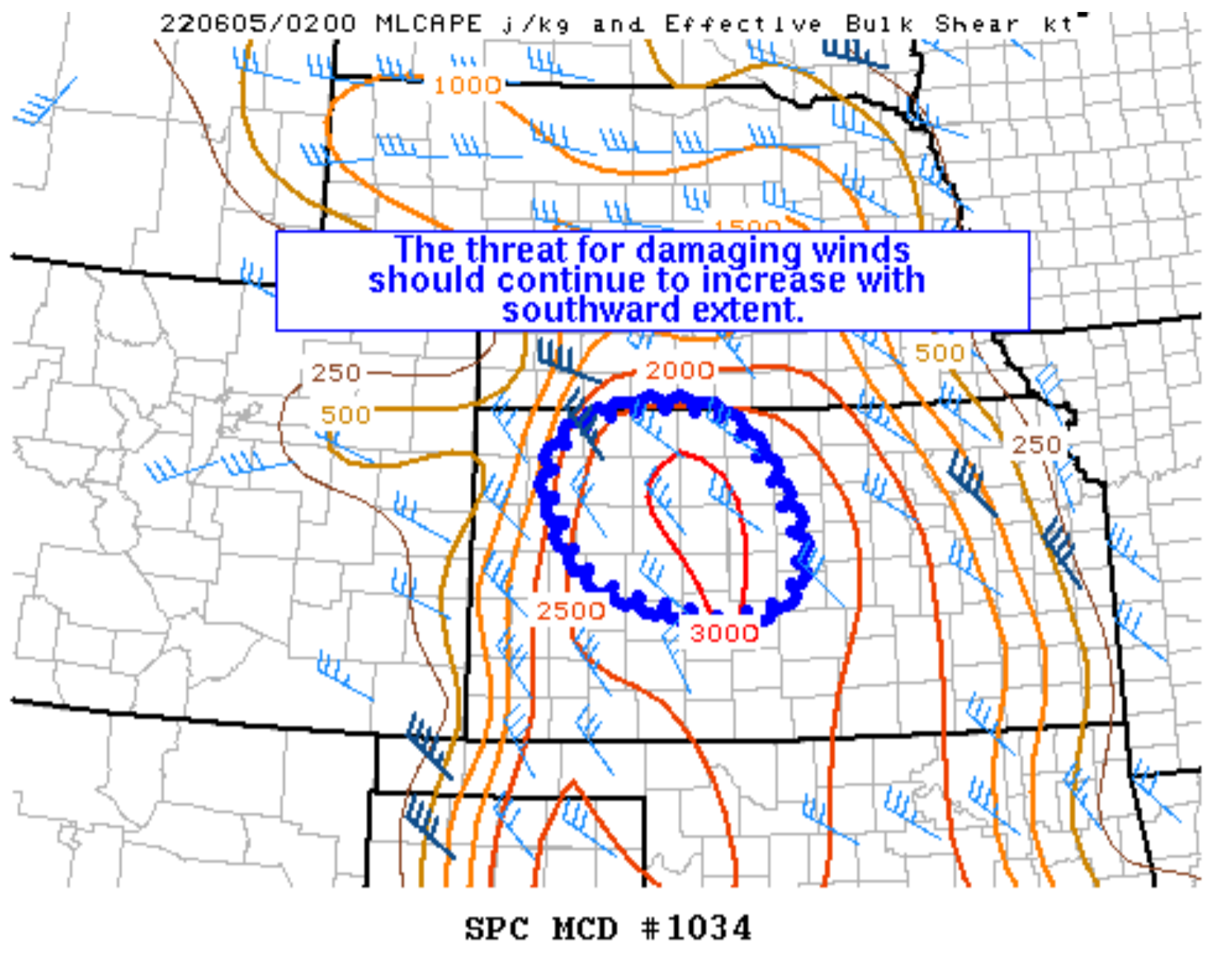
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Mesoscale Discussion 1034

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Mesoscale Discussion 1034
 NWS Storm Prediction Center Norman OK
 0941 PM CDT Sat Jun 04 2022

Areas affected...Parts of northern and west-central Kansas

Concerning...Severe Thunderstorm Watch 308...309...

Valid 050241Z - 050415Z

The severe weather threat for Severe Thunderstorm Watch 308, 309 continues.

SUMMARY...The threat for damaging winds should increase across parts of northern and west-central Kansas as a developing MCS tracks southeastward tonight.

DISCUSSION...Regional radar data shows a developing MCS over northwest KS, where multiple 65+ mph gusts have been reported along with a brief tornado. As additional cell mergers take place over the area, continued upscale growth and storm-scale organization is expected -- aided by a strengthening southerly low-level jet per regional VWP data. The pre-convective environment remains moist/unstable (2500-3000 MLCAPE), while 35-45 kt effective bulk shear oriented perpendicular to the amalgamating cold pools should support further organization during the next couple hours. The primary hazard should be damaging gusts up to 75 mph as the MCS tracks southeastward, especially as rear-inflow jets become established and forward propagation increases with time. In addition, modest clockwise curvature in the low-level hodographs ahead of the MCS could support an embedded tornado or two where deeper/sustained updrafts develop along the leading cold pool.

..Weinman.. 06/05/2022

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

ATTN...WFO...ICT...GID...DDC...GLD...

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 38949828 38449822 38169866 38139917 38340022 38600075
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