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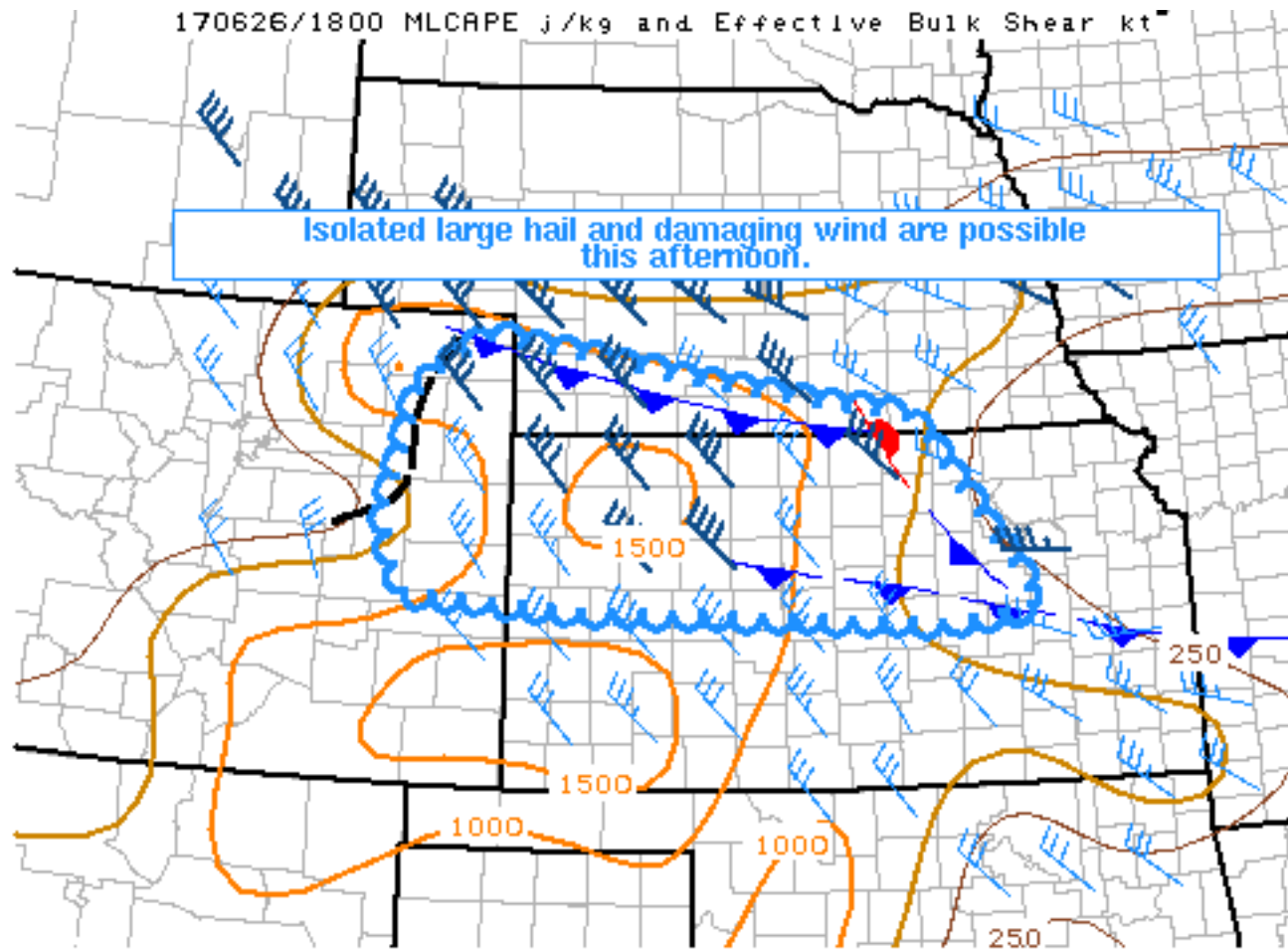
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Mesoscale Discussion 1152

NWS Storm Prediction Center Norman OK

0203 PM CDT Mon Jun 26 2017

Areas affected...Southern NE...Northern KS...Eastern CO

Concerning...Severe potential...Watch possible

Valid 261903Z - 262030Z

Probability of Watch Issuance...40 percent

SUMMARY...Isolated to widely scattered severe thunderstorms are possible this afternoon, with a threat of large hail and locally damaging wind gusts.

DISCUSSION...A thunderstorm has recently intensified across southwest NE, with additional towering cumulus noted extending into far northeast CO along a weak cold front. Towering cumulus has also recently developed across along a weak surface trough into east-central CO. While large-scale forcing is subtle at best, slight

moistening noted on WV imagery is suggestive that modest ascent is overspreading the region. Additional storms will likely be focused along the weak cold front extending from northeast CO into southwest NE/north-central KS, and also along a NNW-SSE oriented outflow boundary running from north of Concordia, KS to just east of Salina, KS.

Moderate midlevel northwesterly flow will continue to support effective shear of 35-45 kts through the afternoon, which will be sufficient to support organized convection, and a few supercells will be possible later this afternoon. Buoyancy and midlevel lapse rates are greatest across eastern CO/northwest KS/southwest NE and decrease with eastward extent, but MLCAPE of 750-1500 J/kg across the MCD area will be sufficient for some hail risk with the strongest cells. Weak low-level flow will tend to limit the damaging wind risk to some extent, but steep low-level lapse rates will support some wind gust potential, especially with any upscale growth that may occur later this afternoon.

Some uncertainty remains regarding the coverage of the severe threat this afternoon, but watch issuance is possible if multiple organized cells/clusters appear imminent.

..Dean/Guyer.. 06/26/2017

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

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