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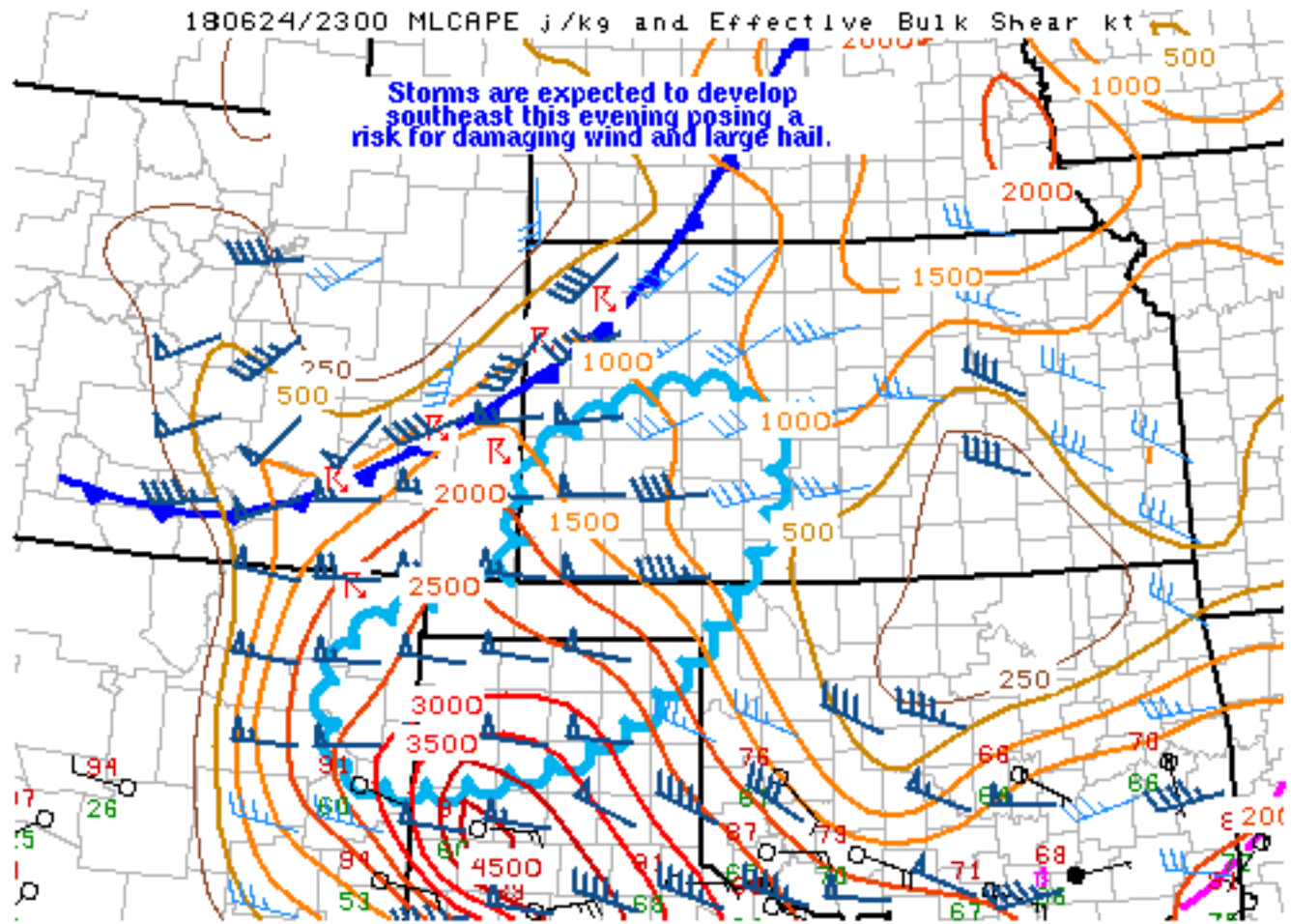
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Mesoscale Discussion 868

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SPC MCD #0868

Mesoscale Discussion 0868

NWS Storm Prediction Center Norman OK

0706 PM CDT Sun Jun 24 2018

Areas affected...northeast New Mexico...the Texas and Oklahoma Panhandles and southwest Kansas

Concerning...Severe potential...Watch possible

Valid 250006Z - 250130Z

Probability of Watch Issuance...60 percent

SUMMARY...Storms are expected to eventually develop southeast into the southern High Plains of northeast NM into the Texas and Oklahoma Panhandles and southwest Kansas. Isolated damaging wind and large hail will be the main threats.

DISCUSSION...Storms continue developing southeast along a cold front moving through eastern CO. The downstream boundary layer has only partially recovered from the morning MCS with temperatures in the

upper 70s to low 80s F and dewpoints only in the low 60s resulting in MLCAPE from 1500 J/kg over southwest KS to 3000 J/kg over the TX Panhandle. Moreover, a capping inversion is in place as sampled by the 00Z Dodge City RAOB. Despite the less than optimal thermodynamic environment, deep forcing for ascent within frontal zone will likely erode the inversion sufficiently for storms to continue developing southeast along this boundary. At least a couple of storms could develop over the higher terrain of northeast NM and move east. Effective bulk shear has increased with the approach of a mid-level jet rotating through the base of a progressive shortwave trough and will continue to support potential for organized storm structures including a few supercells and bowing segments.

..Dial/Grams.. 06/25/2018

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

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Page last modified: June 25, 2018

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