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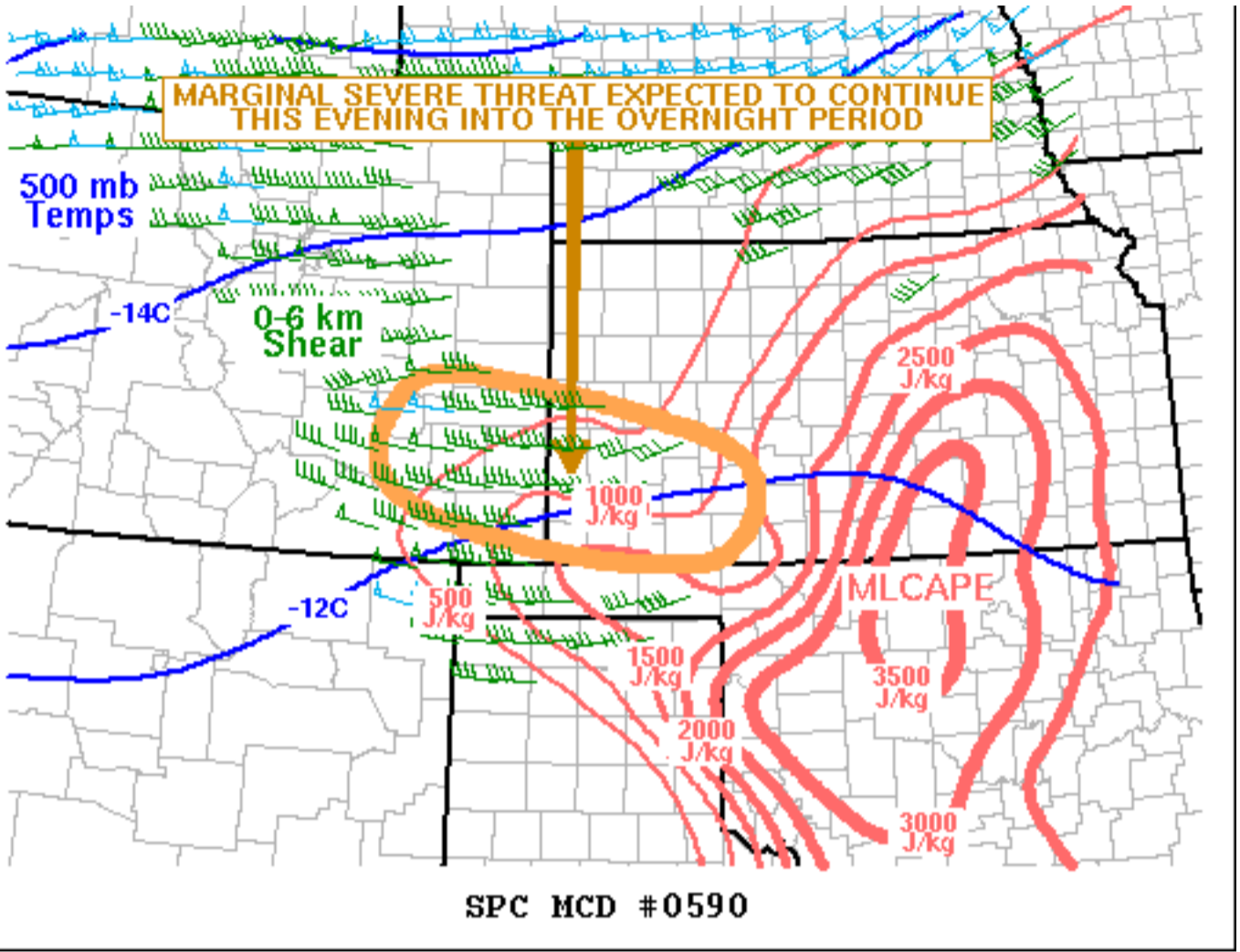
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Mesoscale Discussion 590

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SPC MCD #0590

Mesoscale Discussion 0590
 NWS Storm Prediction Center Norman OK
 0912 PM CDT Thu May 14 2020

Areas affected...Southeast Colorado...Southwest Kansas

Concerning...Severe potential...Watch unlikely

Valid 150212Z - 150445Z

Probability of Watch Issuance...20 percent

SUMMARY...A marginal severe threat is expected to continue across southeast Colorado over the next few hours. These storms along with new development should take place late this evening into the overnight period in southwest Kansas. Due to the marginal nature of the threat, weather watch issuance is not anticipated.

DISCUSSION...A cluster of strong thunderstorms has recently developed across southeast Colorado. These storms are located along the northwestern edge of a corridor of instability extending from the Oklahoma Panhandle into southeast Colorado. The RAP is showing weak instability across southeast Colorado with MLCAPE mainly in the 250 to 500 J/kg range. This combined with 0-6 km shear near 50 kt, evident on the Pueblo WSR-88D VWP, should be sufficient for a marginal wind damage and hail threat. Cell intensity may strengthen some as the storms move east-southeastward into southwest Kansas, where instability is stronger. In spite of this, the threat is expected to remain marginal and weather watch appears unlikely.

..Broyles.. 05/15/2020

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

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