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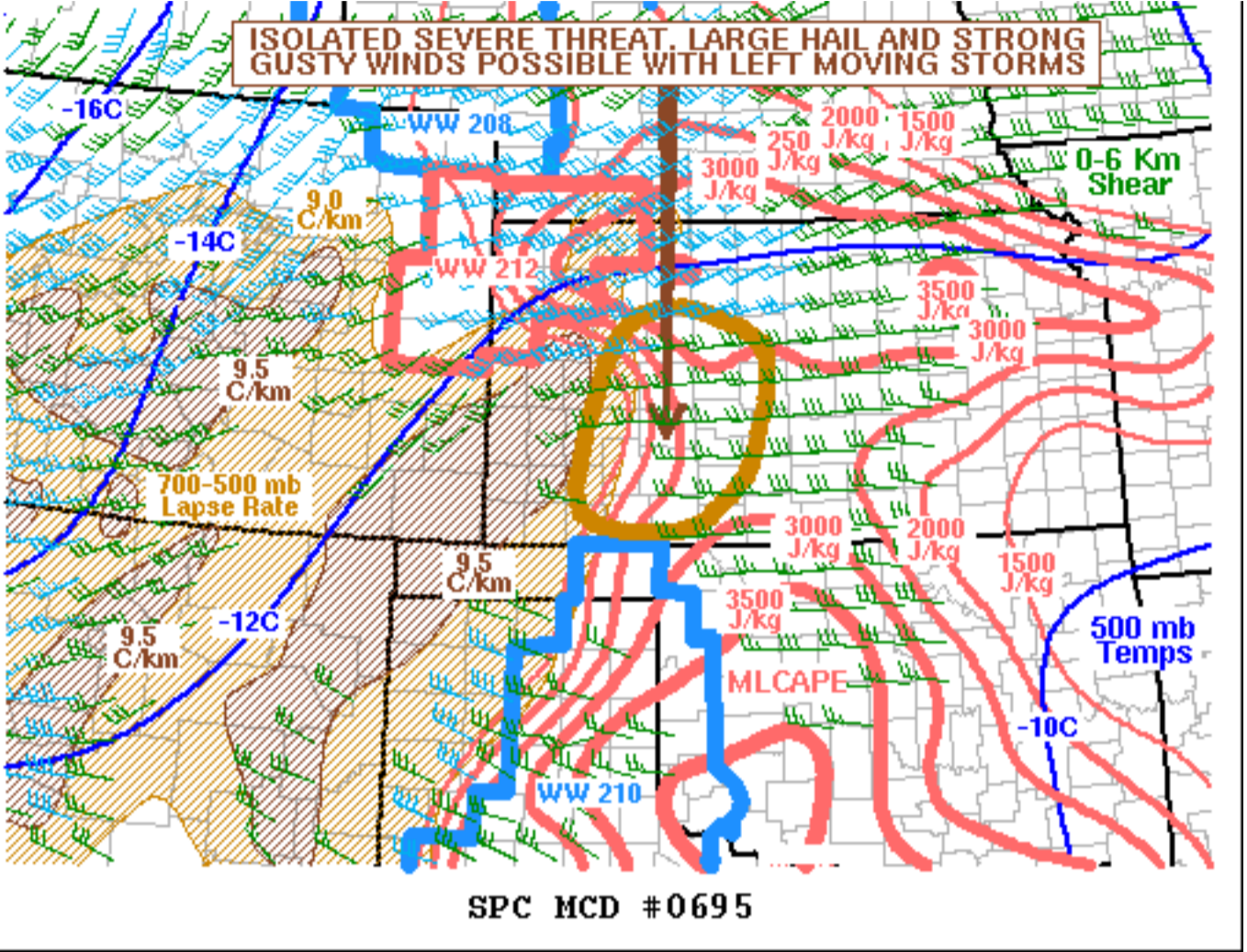
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Mesoscale Discussion 695

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SPC MCD #0695

Mesoscale Discussion 0695
 NWS Storm Prediction Center Norman OK
 0802 PM CDT Sat May 23 2020

Areas affected...Southwest and West-central Kansas

Concerning...Severe potential...Watch unlikely

Valid 240102Z - 240330Z

Probability of Watch Issuance...20 percent

SUMMARY...An isolated severe threat should continue across parts of southwest and west-central Kansas over the next couple of hours. Large hail and wind damage would be the primary threats. Weather watch is not expected but the situation will continue to be monitored.

DISCUSSION...Latest surface analysis shows a 997 mb low in southeast Colorado. A dryline is present from the Texas Panhandle into southwest Kansas with a moist airmass in place to the east of the dryline. Surface dewpoints in the lower to mid 60s F are contributing to moderate instability. Thunderstorms are developing along the western edge of moderate instability to the southwest of Dodge City. The WSR-88D VWP at Dodge City shows 0-6 km shear of 40 to 45 kt with some directional shear in the low to mid-levels. 700 to 500 mb lapse rates are very steep approaching 9.0 C/km. For this reason, left-moving supercells with large hail will continue to be possible over the next couple of hours. Again, the severe threat should be too isolated to warrant weather watch issuance.

..Broyles/Thompson.. 05/24/2020

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

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