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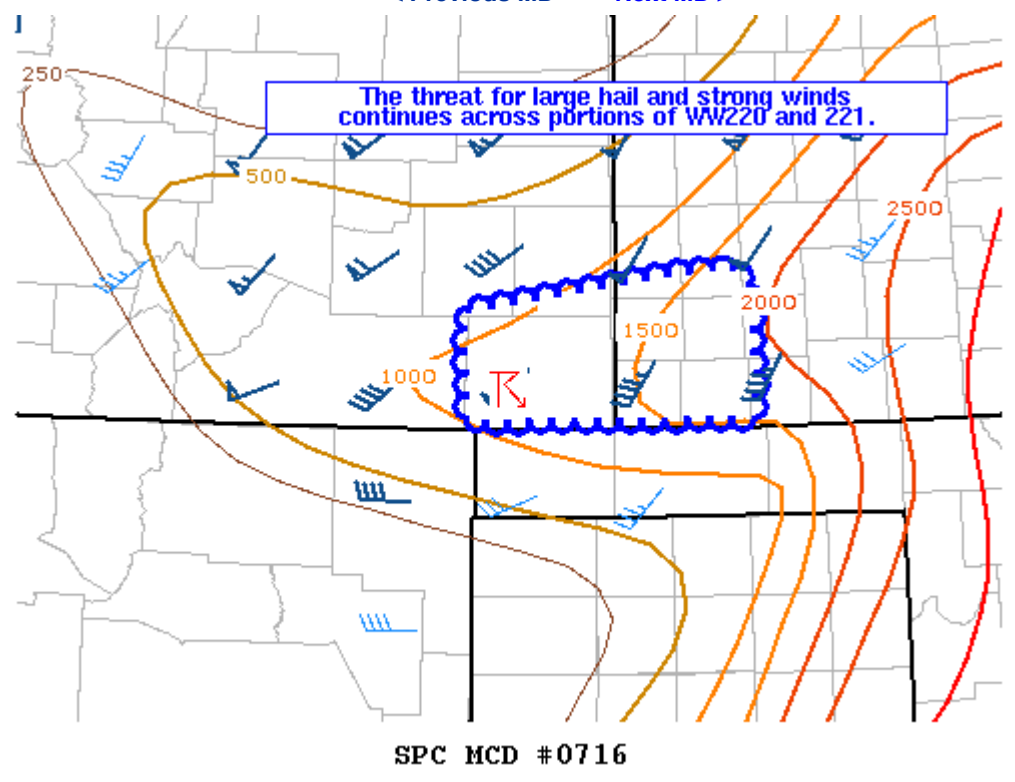
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Mesoscale Discussion 716

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SPC MCD #0716

Mesoscale Discussion 0716
 NWS Storm Prediction Center Norman OK
 0706 PM CDT Sun May 24 2020

Areas affected...southeast Colorado southwest Kansas

Concerning...Severe Thunderstorm Watch 220...221...

Valid 250006Z - 250130Z

The severe weather threat for Severe Thunderstorm Watch 220, 221 continues.

SUMMARY...A supercell across Baca Couty, Colorado will likely continue to pose a risk for severe hail and wind across the southeast portions of WW220 for the next several hours.

DISCUSSION...A well developed supercell is ongoing in a post frontal upslope flow regime across Baca County, Colorado. Surface dewpoints in the low 50s F are supporting MLCAPE of 1000-1500 J/kg. Vertical shear of 40 to 50 kt is favorable for a discrete supercell mode. The background environment, and radar MESH indications of 2+ inch diameter hail suggest this storm is likely to continue to produce severe hail and wind for several hours. This will take it out of the WW220 into the western portions of WW221. Hi-res guidance and current trends suggest this cell will likely merge with convection developing over the Texas Panhandle and southwest Kansas later this evening.

..Lyons.. 05/25/2020

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

ATTN...WFO...DDC...PUB...

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