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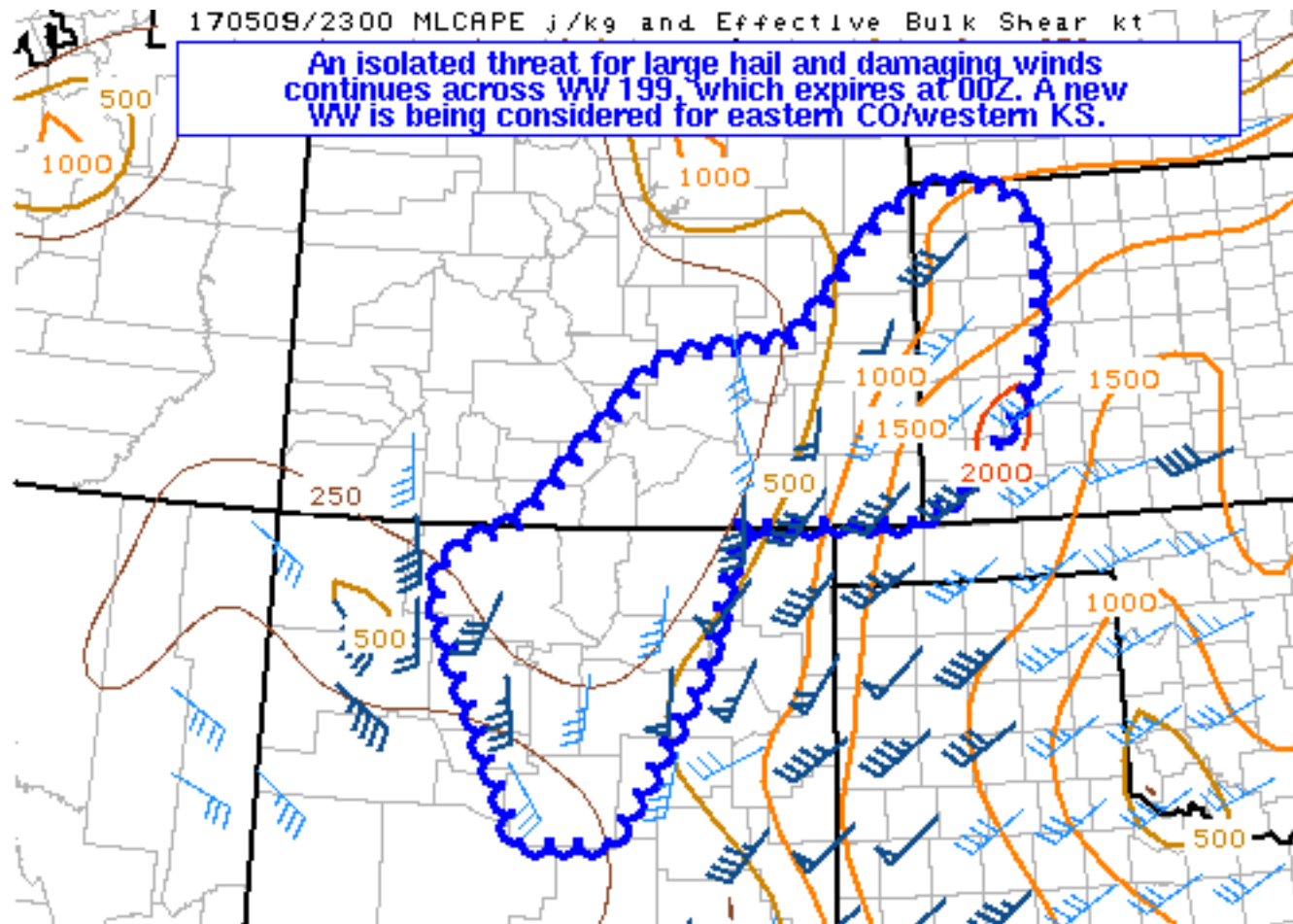
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Mesoscale Discussion 673

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SPC MCD #0673

Mesoscale Discussion 0673

NWS Storm Prediction Center Norman OK

0624 PM CDT Tue May 09 2017

Areas affected...Portions of central/northern NM...southern/eastern CO...and western KS

Concerning...Severe Thunderstorm Watch [199](#)...

Valid 092324Z - 100030Z

The severe weather threat for Severe Thunderstorm Watch 199 continues.

SUMMARY...An isolated threat for mainly large hail and damaging winds continues across eastern portions of Severe Thunderstorm Watch 199, which expires at 00Z. A local extension in time may be warranted for a couple counties in north-central NM. In addition, a new Severe Thunderstorm Watch in parts of eastern CO into western KS is being considered.

DISCUSSION...Ongoing convection west of the central mountain chain in NM will likely weaken over the next several hours with the loss of daytime heating and resultant lessening of already weak instability. Other ongoing thunderstorms in eastern Colfax and Mora counties should move toward/into Tornado Watch 200 around 00Z. Across eastern CO and arcing northeastward into southern NE, a pronounced baroclinic zone is present per 23Z observations, and ongoing convection across eastern CO posing an isolated threat for mainly large hail should persist past the 00Z expiration of Severe Thunderstorm Watch 199 as it moves into western KS. The airmass downstream of this activity should remain unstable through the evening hours, as MLCAPE generally ranges from 500-1500 J/kg per recent RAP mesoanalysis. The northern extent of a strengthening low-level jet across the southern/central Plains may also encourage the maintenance of ongoing thunderstorms, and 35-45 kt of effective bulk shear will support updraft organization. There will be some potential for upscale growth of thunderstorms in northeastern NM as they move into southeastern CO and perhaps western KS over the next few hours. If this were to occur, then damaging winds would be a concern in addition to large hail. Therefore, a new Severe Thunderstorm Watch is being considered for parts of eastern CO and western KS.

..Gleason.. 05/09/2017

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

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Page last modified: May 10, 2017

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