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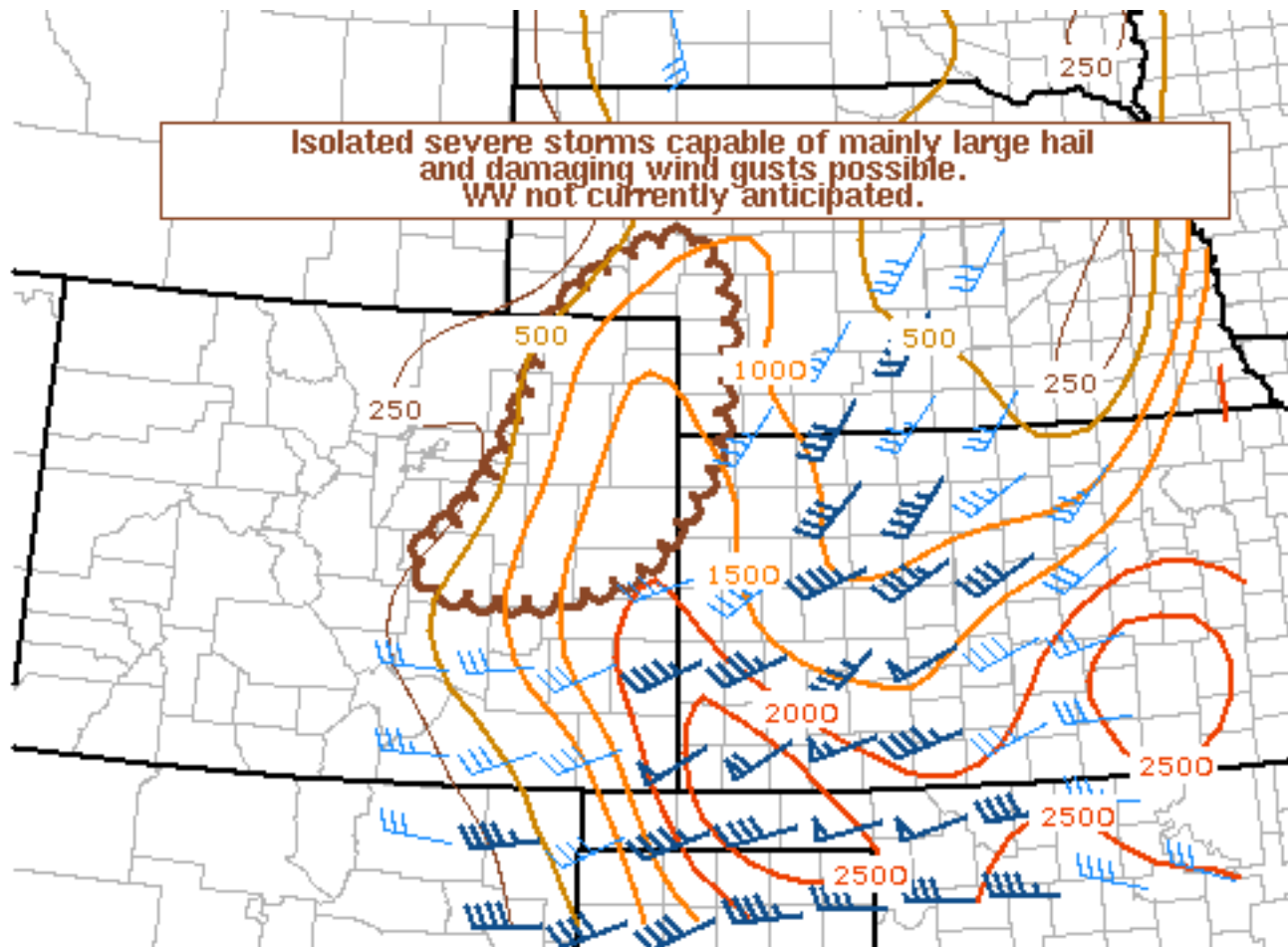
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Mesoscale Discussion 567

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SPC MCD #0567

Mesoscale Discussion 0567

NWS Storm Prediction Center Norman OK

0310 PM CDT Tue May 29 2018

Areas affected...Eastern Colorado...Far southwest Nebraska

Concerning...Severe potential...Watch unlikely

Valid 292010Z - 292145Z

Probability of Watch Issuance...20 percent

SUMMARY...Isolated severe thunderstorms with mainly hail and wind threats are possible this afternoon. A WW is currently not anticipated.

DISCUSSION...Multicell clusters and small line segments are moving slowly southeastward across the Colorado Front Range and Nebraska Panhandle, where MLCAPE values of 1500-2000 J/kg are present. While current bulk shear values suggest that convective organization will be inhibited to a degree, steep (7-8 C/km) lapse rates atop a

relatively moist boundary layer suggest that a few 1+ inch hailstones may be possible with more persistent updrafts. Isolated damaging gusts may be possible with any linear segments that can manage to organize.

Isolated severe will remain possible for the rest of the afternoon as continued insolation will contribute to maintaining the instability axis across the discussion area through the rest of the diurnal cycle. Given the expected isolated and marginal nature of the severe threat, a WW issuance is not currently expected.

..Squitieri/Cook/Hart.. 05/29/2018

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

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