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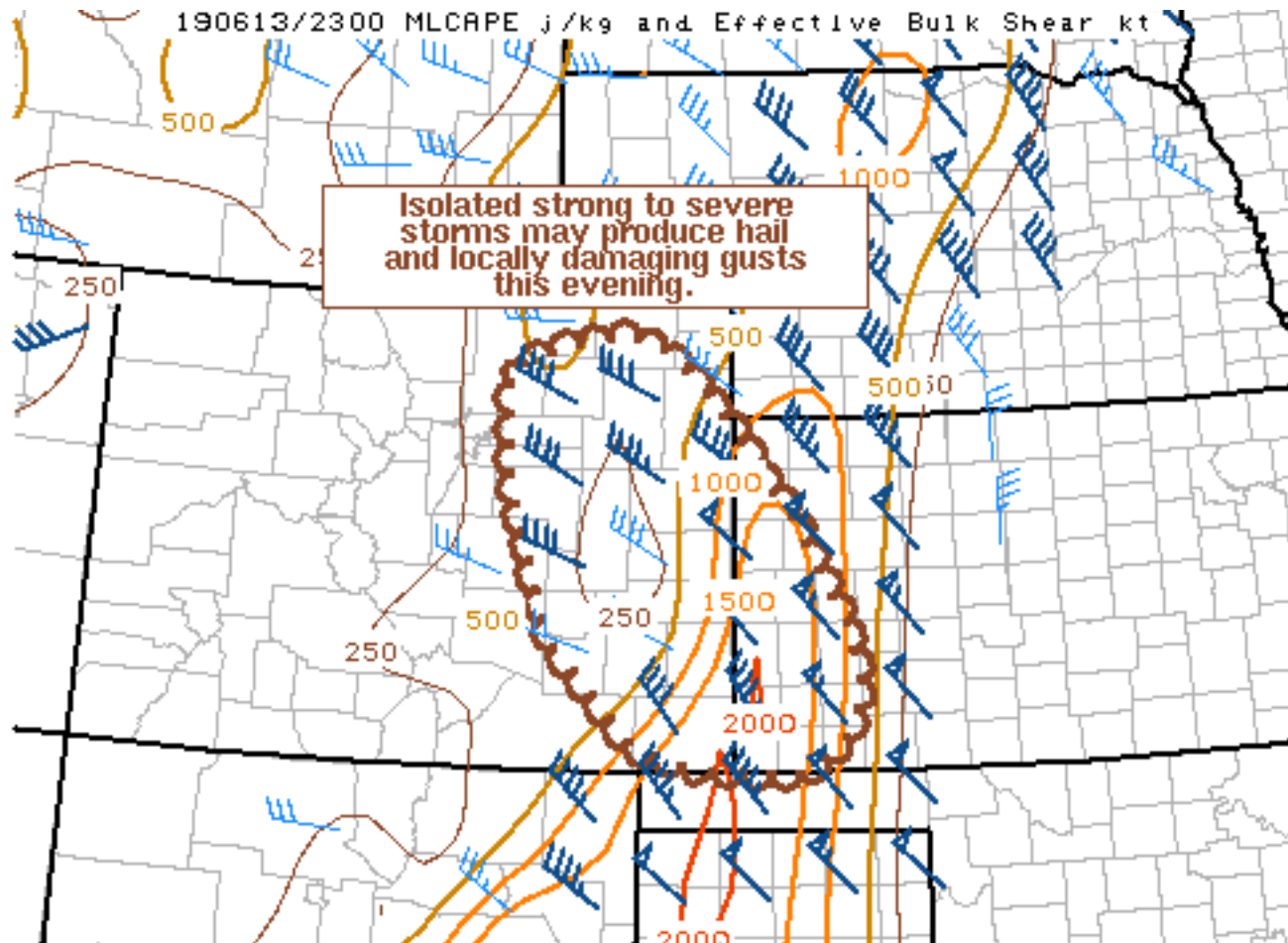
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Mesoscale Discussion 1055

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Mesoscale Discussion 1055

NWS Storm Prediction Center Norman OK

0658 PM CDT Thu Jun 13 2019

Areas affected...eastern CO into western KS

Concerning...Severe potential...Watch unlikely

Valid 132358Z - 140130Z

Probability of Watch Issuance...20 percent

SUMMARY...Isolated storms may produce strong gusts and hail the next few hours across parts of eastern CO and perhaps into western KS.

DISCUSSION...A couple of isolated, but intense storms have developed over portions of northeast CO this evening. MRMS MESH indicated these cells may be producing hail near 1 inch in diameter.

Additionally, given a dry sub-cloud layer with dewpoints generally in the 40s, some potential for strong outflow winds exists. Further east toward western KS, dewpoints increase to the low to mid 50s as



modest boundary layer moisture streams northward on 20-30 kt southerly low level flow. If storms can remain semi-organized as they track southeastward toward a more unstable airmass where a modestly increasing low level jet develops through the evening, some isolated potential for strong to severe storms will persist through the evening hours. That being said, the 00z RAOB from DDC does not instill a great deal of confidence in the evolution of a greater severe threat given strong MLCIN.

Otherwise, as the boundary layer continues to cool with loss of daytime heating, severe wind potential should decrease in the absence of better organized cells. Some marginal hail threat may persist given modestly steep midlevel lapse rates and favorable deep layer shear, but this is contingent on sustained convection continuing southeastward with time. Given the overall isolated and somewhat conditional nature of the threat, a watch is not expected at this time.

..Leitman/Guyer.. 06/13/2019

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

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