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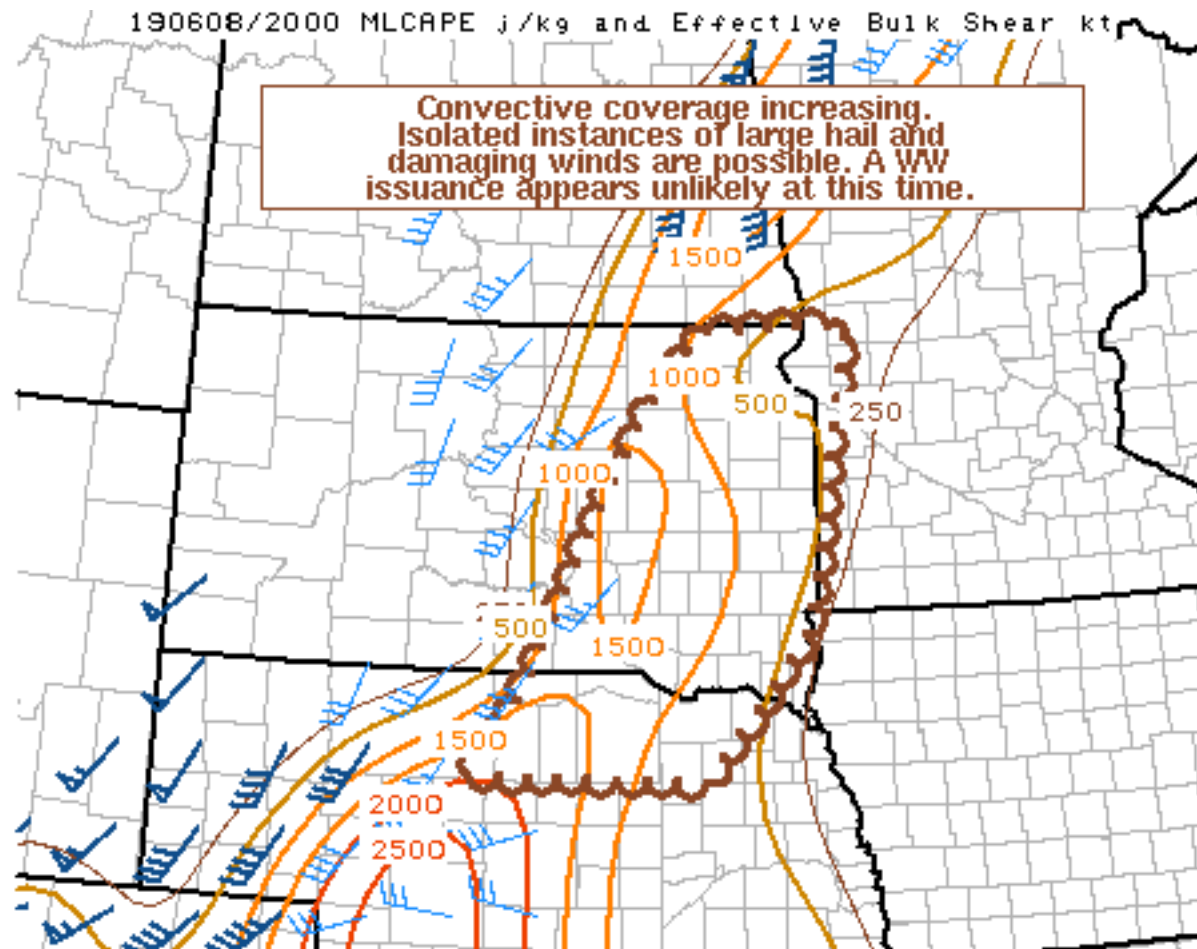
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SPC Feedback

Mesoscale Discussion 1027

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SPC MCD #1027

Mesoscale Discussion 1027

NWS Storm Prediction Center Norman OK

0347 PM CDT Sat Jun 08 2019

Areas affected...Portions of northern Nebraska into eastern South Dakota

Concerning...Severe potential...Watch unlikely

Valid 082047Z - 082215Z

Probability of Watch Issuance...20 percent

SUMMARY...Scattered storm development is expected to continue across the area for the next few hours. Isolated damaging wind gusts and large hail may occur with the most organized and sustained storms. Given the isolated nature of the severe threat, a WW issuance is not currently anticipated.

DISCUSSION...Scattered storms have been developing along and behind the cold front within the past couple of hours given the



overspreading of deeper-layer ascent aloft with the ejecting of a mid-level shortwave trough into the northern Plains. Modest buoyancy is in place, with over 1000 J/kg MLCAPE noted. Nonetheless, much of the area has experienced quite a bit of cloud cover, hampering further destabilization. In addition, vertical wind profiles demonstrate weak flow magnitudes, with a veer-back-veer profile below 700 mb, suggesting somewhat unfavorable kinematics for a more widespread severe threat, especially with much of the convection already undercut by the cold front. A few of the more organized/longer-lived cells may produce a few severe hail stones and damaging wind gusts given the modest lapse rates in place, but the severe threat is expected to remain isolated at best, with a WW issuance not expected.

..Squitieri/Thompson.. 06/08/2019

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

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