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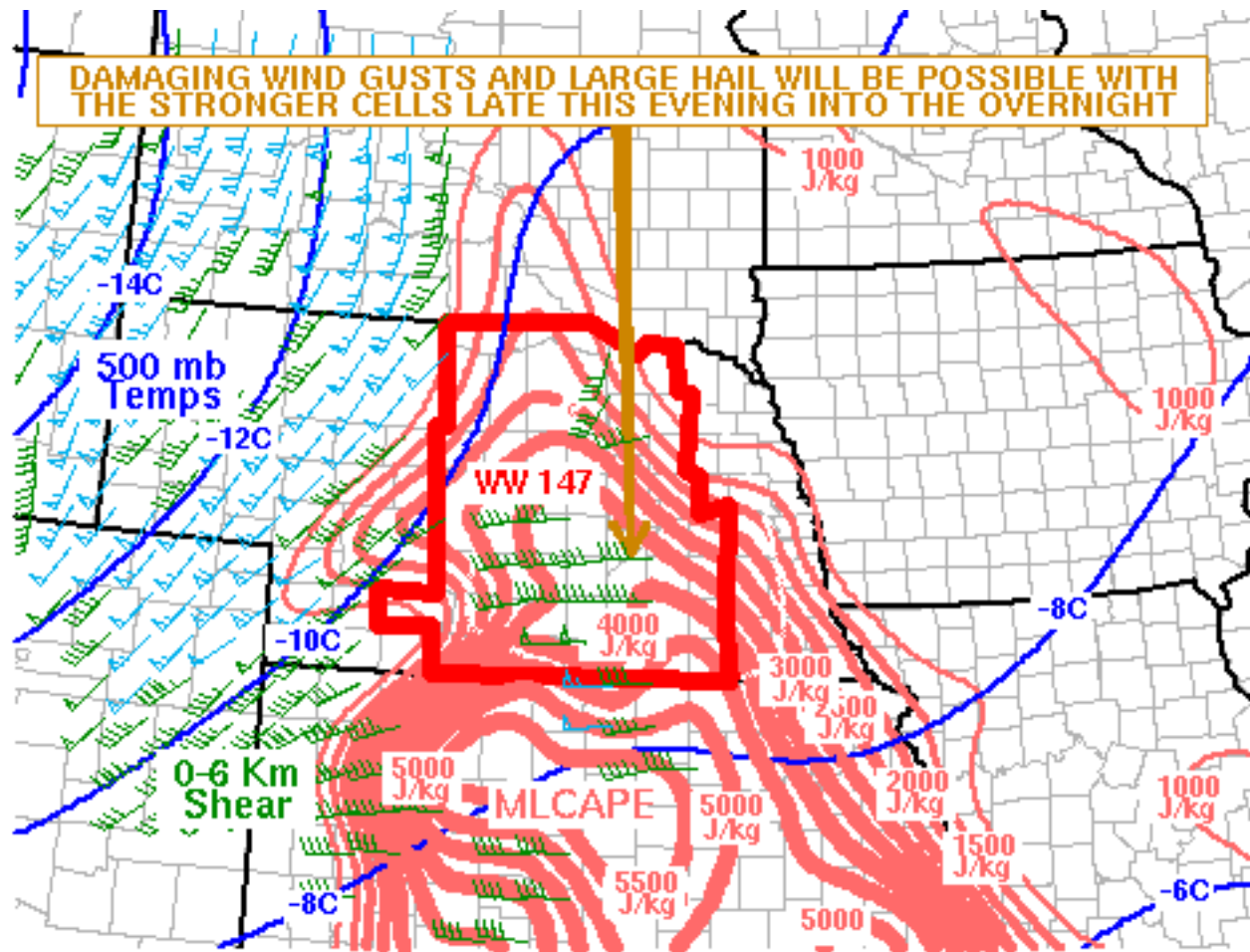
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## Mesoscale Discussion 621

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SPC MCD #0621

Mesoscale Discussion 0621

NWS Storm Prediction Center Norman OK

0932 PM CDT Fri Jun 01 2018

Areas affected...Eastern and Southern Nebraska

Concerning...Tornado Watch 147...

Valid 020232Z - 020430Z

The severe weather threat for Tornado Watch 147 continues.

SUMMARY...Damaging wind gusts and large hail will be likely with storms moving across east-central Nebraska late this evening. The severe threat is expected to continue past the 11 pm CDT expiration. For this reason, a new weather watch will be needed around 03Z for parts of the central Plains to replace tornado watch 147.

DISCUSSION...The latest surface analysis shows a cold front in central Nebraska with a corridor of low-level moisture extending northward from Kansas into southeast Nebraska. A linear MCS with



severe thunderstorms, is ongoing along the northern edge of the moist corridor along an enhanced zone of low-level convergence. This MCS is forecast to move southeastward along a gradient of instability into southeast Nebraska over the next few hours. MLCAPE values in the 3000 to 4000 J/kg range along with moderate deep-layer shear will be favorable to continue a severe threat through late evening into the overnight period. The more intense parts of the line could produce wind damage and isolated large hail. Due to the continued severe threat, a new watch is planned to be issued around 03Z to replace the ongoing tornado watch.

..Broyles/Thompson.. 06/02/2018

...Please see [www.spc.noaa.gov](http://www.spc.noaa.gov) for graphic product...

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