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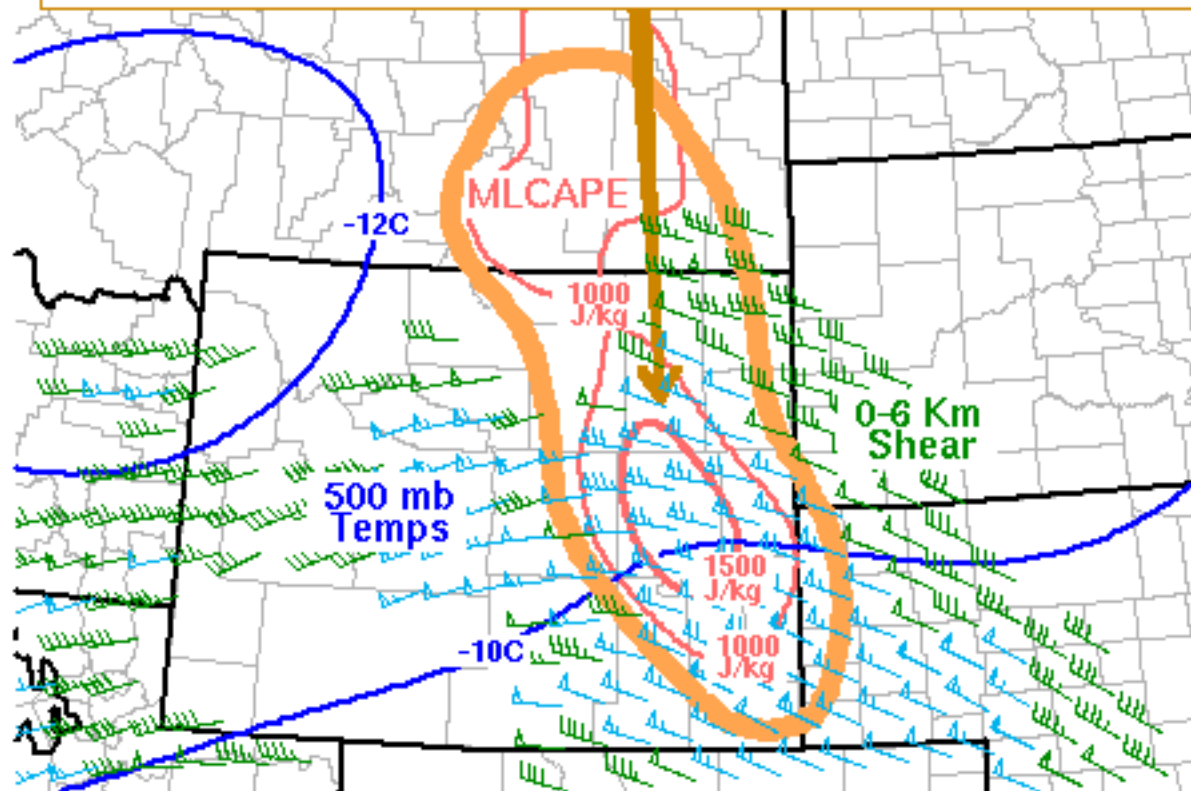
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Mesoscale Discussion 816

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MARGINAL WIND DAMAGE AND HAIL THREAT WILL CONTINUE FOR
A FEW MORE HOURS THIS EVENING FROM SE MT ACROSS ERN WY



SPC MCD #0816

Mesoscale Discussion 0816

NWS Storm Prediction Center Norman OK

0743 PM CDT Thu Jun 21 2018

Areas affected...Southeast Montana...Eastern Wyoming...Far Western
Nebraska

Concerning...Severe potential...Watch unlikely

Valid 220043Z - 220315Z

Probability of Watch Issuance...5 percent

SUMMARY...A marginal wind damage and hail threat will continue for a
few more hours this evening from southeast Montana into eastern
Wyoming and far western Nebraska. Weather watch issuance is not
expected.

DISCUSSION...Several diffuse line segments are ongoing from
south-central Montana south-southeastward into east-central Wyoming.
A corridor of instability is analyzed by the RAP ahead of this

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convection with MLCAPE values estimated to be in the 1000 to 1500 J/kg range. In addition, forecast soundings show moderate to strong deep-layer shear profiles and steep mid-level lapse rates near 8.0 C/km. This will be favorable for a marginal severe threat as the storms move eastward across the instability corridor over the next couple of hours. Isolated marginally severe wind gusts will be possible along the leading edge of the better defined and more intense line segments. Any severe threat will likely become more isolated as the storms move eastward into far southeast Montana and far eastern Wyoming later this evening where lapse rates are not as steep.

..Broyles/Grams.. 06/22/2018

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

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NOAA / National Weather Service
National Centers for Environmental Prediction
Storm Prediction Center
120 David L. Boren Blvd.
Norman, OK 73072 U.S.A.
spc.feedback@noaa.gov
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