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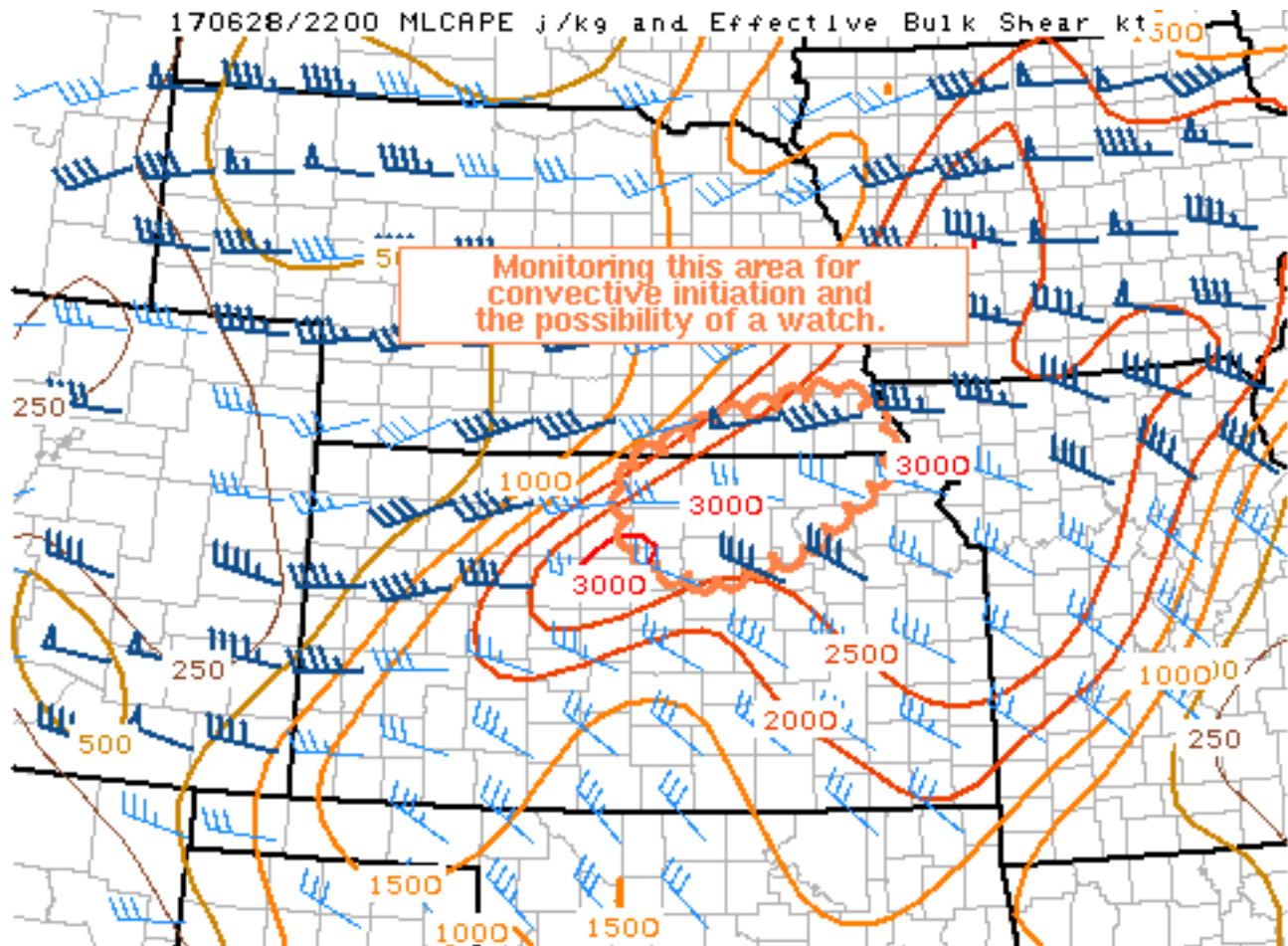
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## Mesoscale Discussion 1175

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Mesoscale Discussion 1175

NWS Storm Prediction Center Norman OK

0546 PM CDT Wed Jun 28 2017

Areas affected...northeastern/north-central Kansas and southeastern Nebraska

Concerning...Severe potential...Watch possible

Valid 282246Z - 290015Z

Probability of Watch Issuance...40 percent

SUMMARY...Towering cumulus are developing in northeastern Kansas and southeastern Nebraska to the southwest of ongoing severe thunderstorms. This area will continue to be monitored for convective initiation and the possibility of a severe thunderstorm watch.

DISCUSSION...Enhanced vertical development of a cumulus field feeding into ongoing storms across far southeastern Nebraska and

northwestern Missouri suggests that convective initiation may occur over northeastern Kansas in the next hour or two. If thunderstorms are able to develop, moderate instability (MLCAPE around 2500 J/kg) and sufficient deep-layer shear (30-40 knots per mesoanalysis) should support organized updrafts. These storms would likely pose a threat of severe hail and damaging winds. The westward/southwestward extent of thunderstorm initiation is uncertain, but if thunderstorm coverage becomes sufficient a watch may be necessary.

..Jirak/Weiss.. 06/28/2017

...Please see [www.spc.noaa.gov](http://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](mailto:spc.feedback@noaa.gov)  
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