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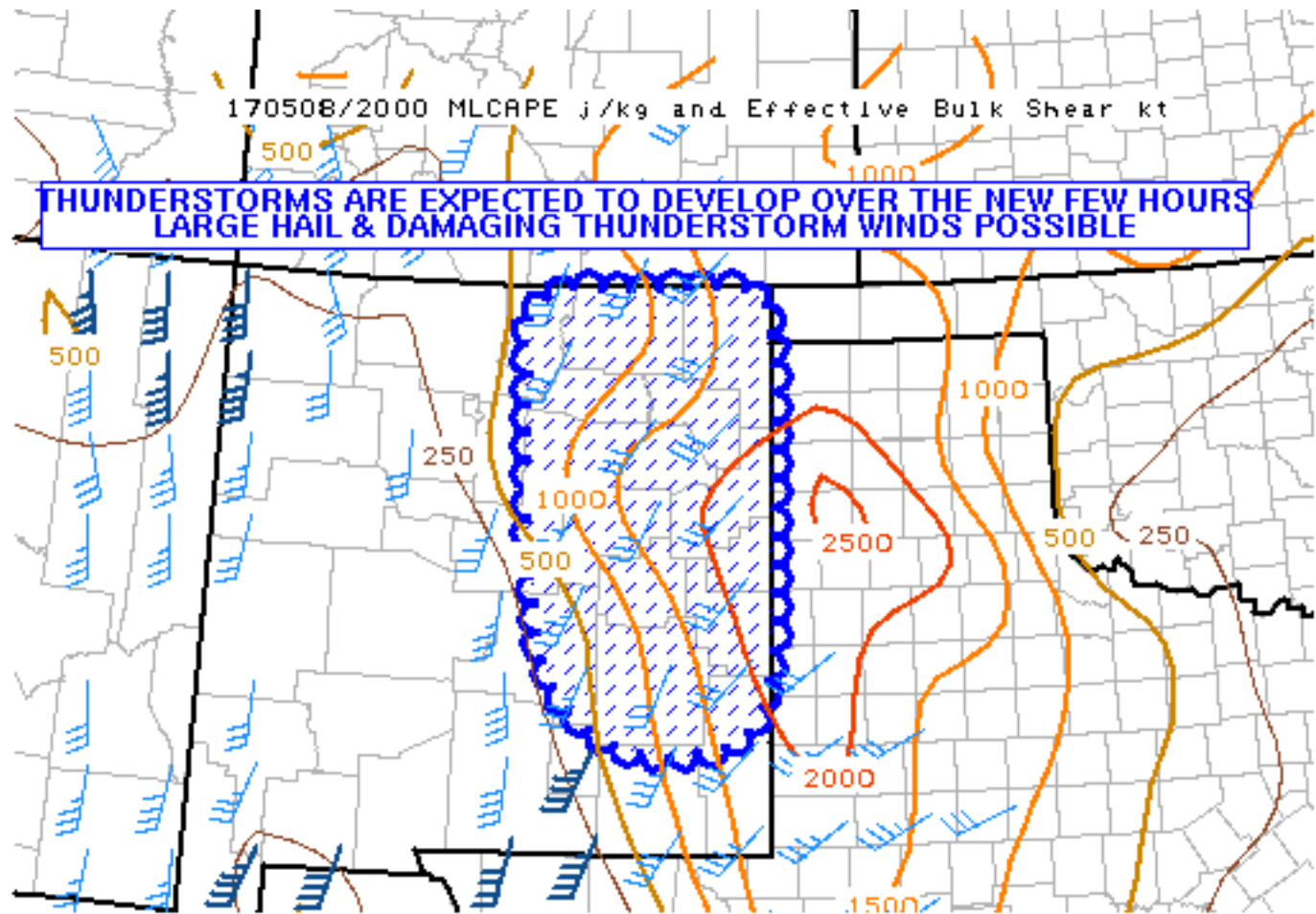
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## Mesoscale Discussion 663

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SPC MCD #0663

Mesoscale Discussion 0663

NWS Storm Prediction Center Norman OK

0347 PM CDT Mon May 08 2017

Areas affected...EASTERN NEW MEXICO

Concerning...Severe potential...Watch possible

Valid 082047Z - 082245Z

Probability of Watch Issuance...60 percent

SUMMARY...Thunderstorms are expected to develop across portions of eastern New Mexico over the next few hours. These thunderstorms will be capable of large hail and damaging thunderstorm winds. A severe thunderstorm watch may become necessary during the afternoon.

DISCUSSION...Surface moisture continues to advect northwestward into eastern New Mexico on the nose of southeasterly low-level flow. Latest observations show surface dewpoint temperatures in the low-to-mid 50s across the plains of east New Mexico beneath clear

skies that allowed surface temperatures to warm into the low-to-mid 80s. Continued low-level warming/moistening will weaken remaining convective inhibition over the next few hours, allowing for at least isolated thunderstorm development. Mixed-layer CAPE on the order of 1000-2000 J/kg in the presence of deep-layer shear values around 40 knots will support supercells with a risk for large hail and damaging winds. Modest low-level flow and relatively high LCLs should limit the overall tornado threat.

If thunderstorm development becomes likely, a severe thunderstorm watch may become necessary across this region.

..Marsh/Hart.. 05/08/2017

...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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