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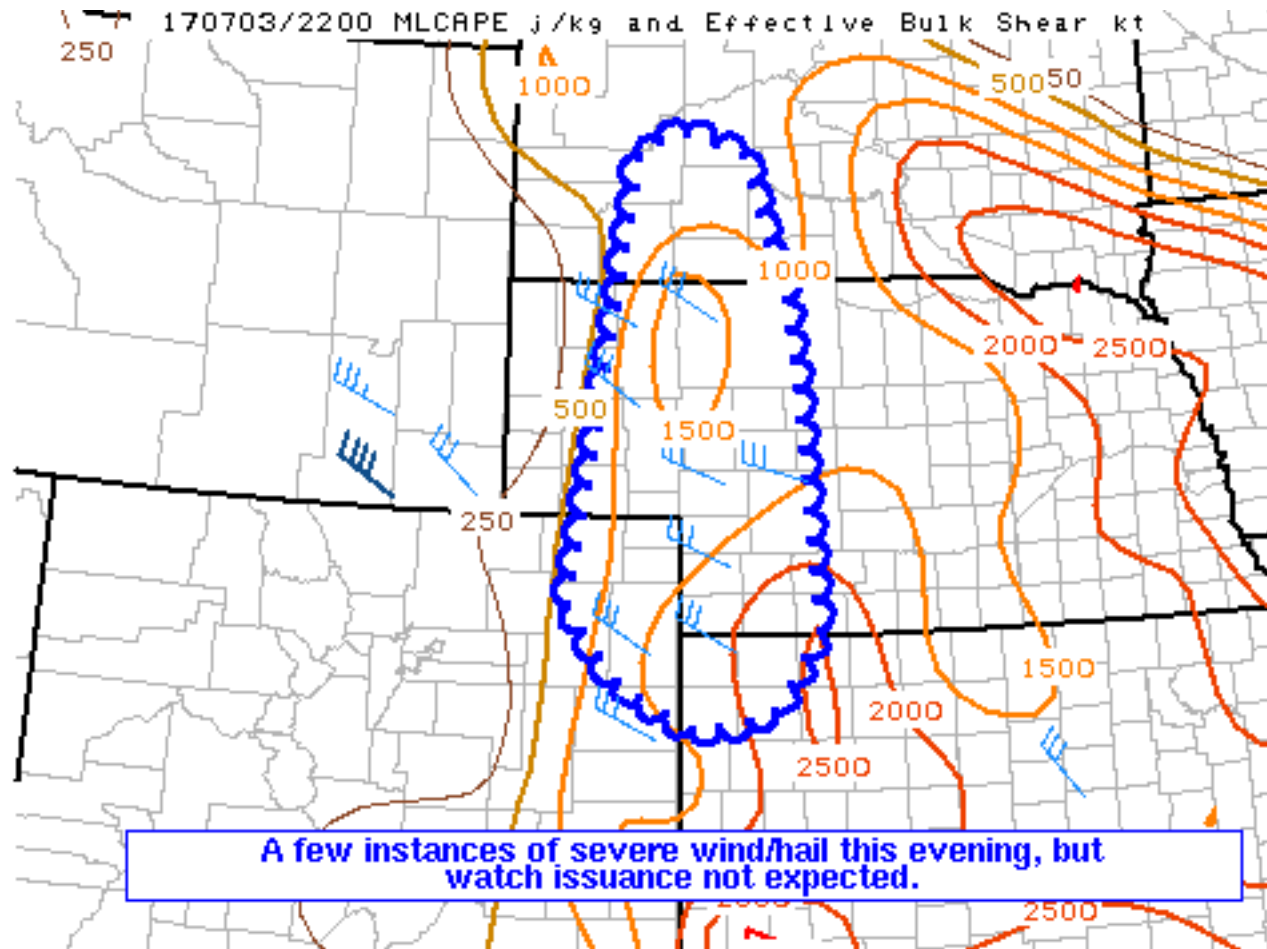
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## Mesoscale Discussion 1224

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SPC MCD #1224

Mesoscale Discussion 1224

NWS Storm Prediction Center Norman OK

0549 PM CDT Mon Jul 03 2017

Areas affected...Portions of the central/northern high Plains

Concerning...Severe potential...Watch unlikely

Valid 032249Z - 032345Z

Probability of Watch Issuance...20 percent

SUMMARY...Strong to severe storms will may produce a few instances of severe hail and damaging wind gusts this evening. However, the threat should be sufficiently limited in space and time to preclude watch issuance.

DISCUSSION...In association with a weak impulse crossing the high Plains, thunderstorms have developed along a lee trough late this afternoon. Within a regime of southeasterly upslope flow, storms are gradually progressing south/southeast in an environment

characterized by approximately 1500 J/kg of MLCAPE. Deep-layer flow remains relatively modest, such that storm propagation will likely be driven by merging outflows and new updrafts focused within corridors of higher buoyancy. A deeply mixed boundary layer will encourage a few strong/severe gusts, while some directional shear with height may support enough updraft organization for brief severe hail production. Nonetheless, increasing convective inhibition with eastward extent (as well as through time this evening) suggests storms will be limited in both space and time, such that a watch should not be needed.

..Picca/Guyer.. 07/03/2017

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

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