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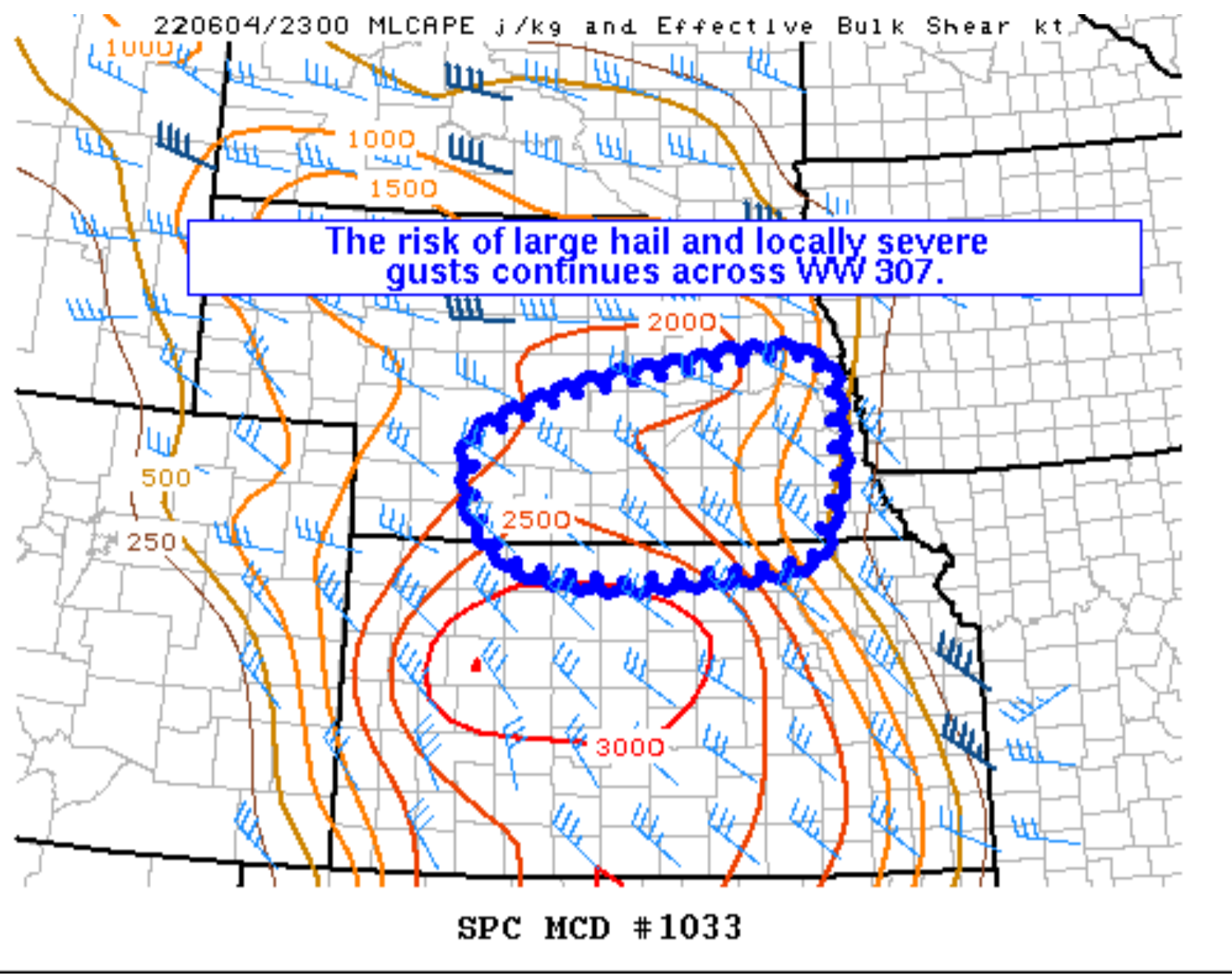
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## Mesoscale Discussion 1033

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Mesoscale Discussion 1033  
 NWS Storm Prediction Center Norman OK  
 0719 PM CDT Sat Jun 04 2022

Areas affected...Parts of southern Nebraska into northern Kansas

Concerning...Severe Thunderstorm Watch 307...

Valid 050019Z - 050145Z

The severe weather threat for Severe Thunderstorm Watch 307 continues.

SUMMARY...The risk of large hail and locally severe gusts continues across Severe Thunderstorm Watch 307 this evening.

DISCUSSION...Regional radar data continues to show splitting supercells capable of large hail and locally severe gusts across parts of southern Nebraska this evening, aided by generally long/straight hodographs and 35-45 kt 0-6 km bulk shear per OAX VWP data. As this activity continues to move slowly southward, the risk of large hail up to 2 inches in diameter will be the main threat in the near term. With time, there may be some tendency for convection to grow upscale as outflow spreads southward into a moist/well-mixed boundary layer characterized by lower 60s dewpoints and steep low-level lapse rates. While sporadic large hail will remain a concern, the risk of severe gusts up to 70 mph will increase with southward extent -- especially with any upscale-grown storm clusters.

Eventually, convection should spread southward into northern KS where lower/middle 60s dewpoints beneath steep midlevel lapse rates are contributing to a strongly unstable airmass. As this occurs in conjunction with a strengthening low-level jet, further upscale growth will be possible and additional watch issuance may eventually be needed.

..Weinman.. 06/05/2022

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

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