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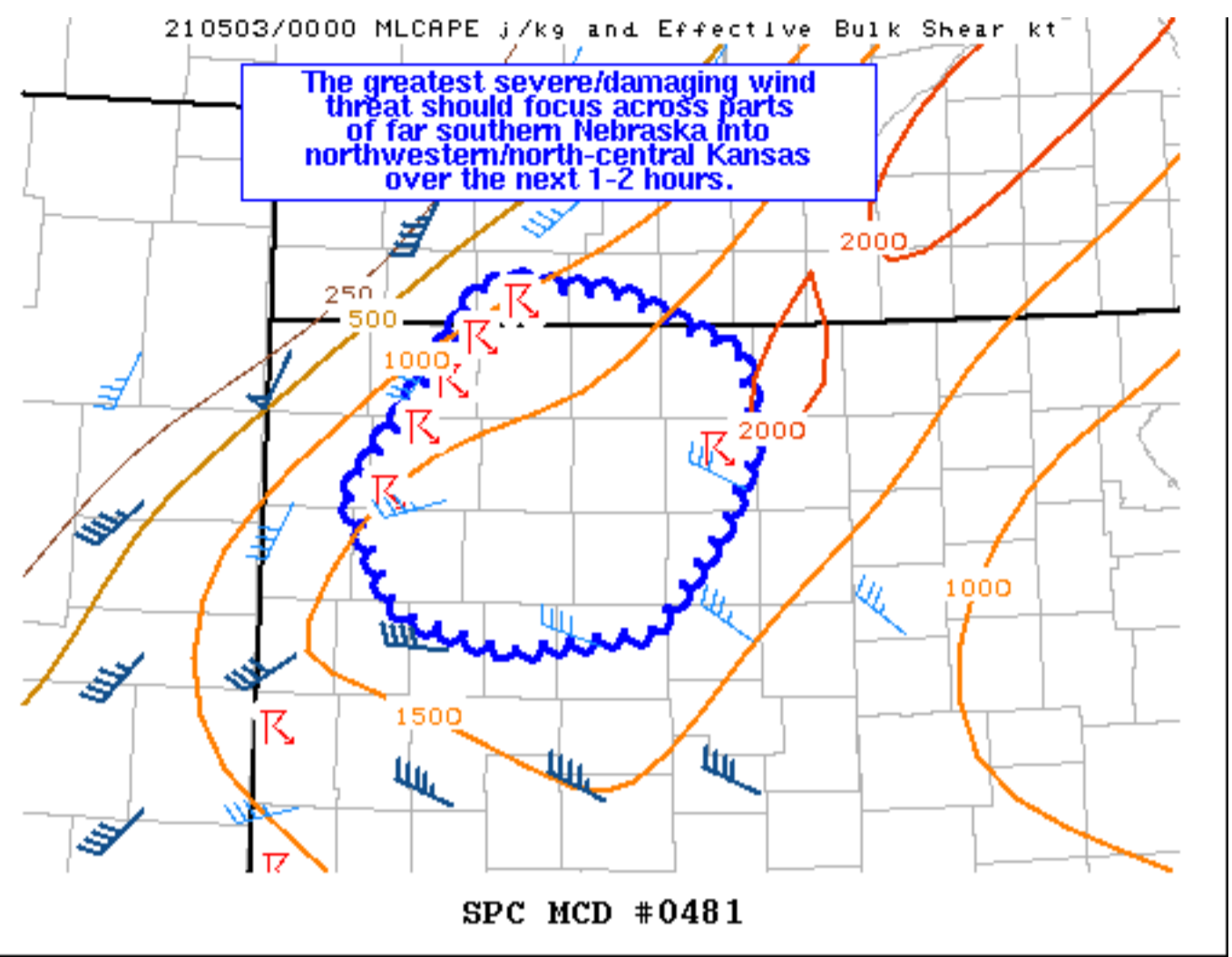
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Mesoscale Discussion 481

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Mesoscale Discussion 0481
 NWS Storm Prediction Center Norman OK
 0704 PM CDT Sun May 02 2021

Areas affected...Portions of far southern NE into northwestern and north-central KS

Concerning...Severe Thunderstorm Watch [126](#)...

Valid 030004Z - 030130Z

The severe weather threat for Severe Thunderstorm Watch 126 continues.

SUMMARY...The greatest severe/damaging wind threat should focus across parts of far southern Nebraska into northwestern and north-central Kansas over the next 1-2 hours.

DISCUSSION...Storms have recently congealed into a line across parts of northwestern KS and far southern NE along a surface cold front. Current expectations are for this line to surge east-southeastward this evening, where MLCAPE around 1500 J/kg, 35-40 kt of deep-layer shear, and minimal MLCIN should support continued storm organization and intensity in the short term. Isolated large hail will remain a concern with any supercell embedded within the line. But, scattered severe/damaging winds around 60-75 mph will likely be the main severe threat in the next 1-2 hours across northwestern into north-central KS given the increasingly linear nature of the convection and the favorably mixed boundary layer supporting efficient downdraft accelerations.

..Gleason.. 05/03/2021

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

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