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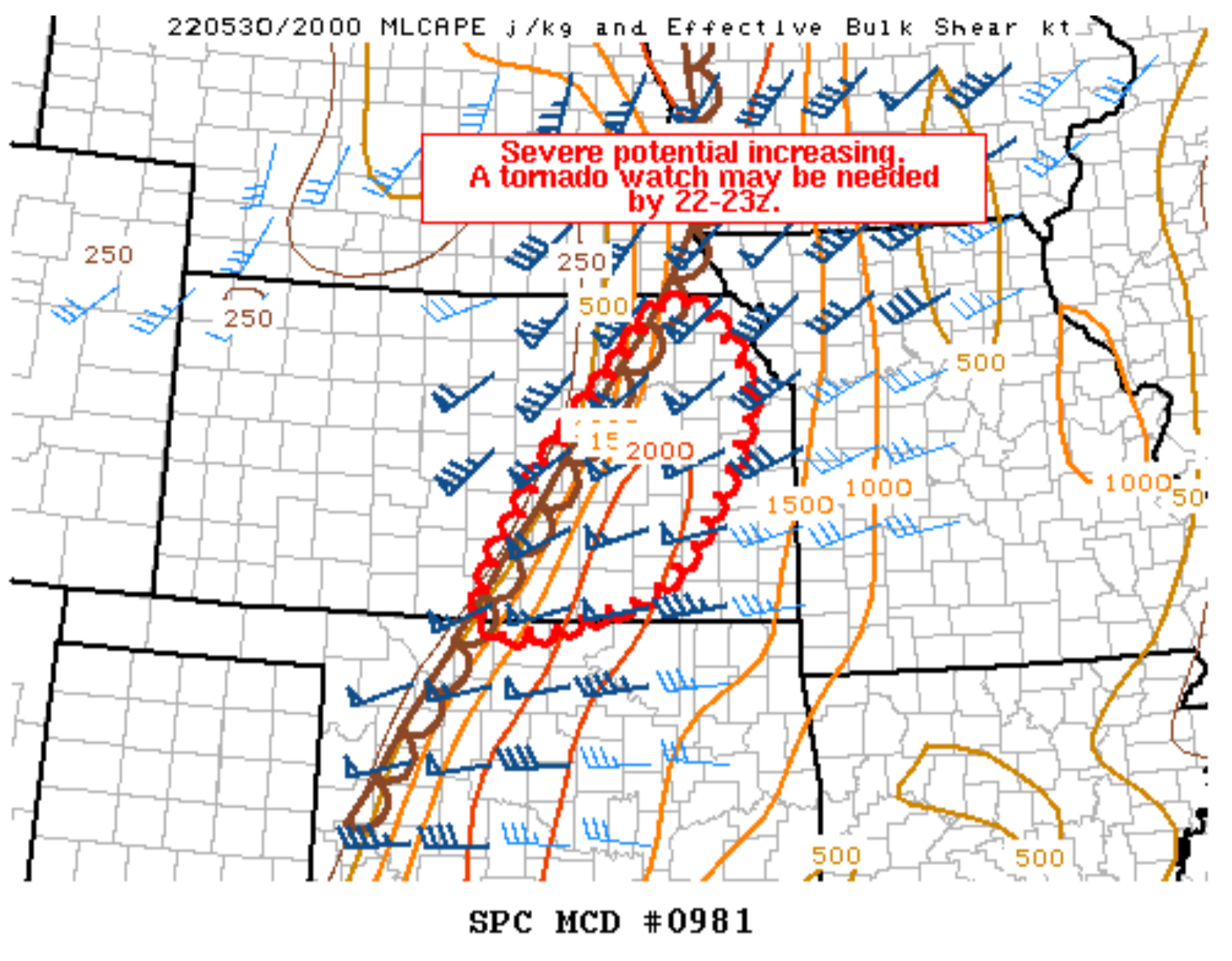
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## Mesoscale Discussion 981

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Mesoscale Discussion 0981  
 NWS Storm Prediction Center Norman OK  
 0351 PM CDT Mon May 30 2022

Areas affected...eastern KS

Concerning...Severe potential...Watch possible

Valid 302051Z - 302245Z

Probability of Watch Issuance...60 percent

SUMMARY...The severe threat across eastern Kansas is increasing this afternoon. Area is being monitored for possible watch issuance in the next 1-2 hours.

DISCUSSION...Vertically developing cumulus are increasing along a sharp dryline draped across east-central KS this afternoon. Ahead of the boundary, surface dewpoints have increased into the mid/upper 60s as temperatures have warmed into the 80s beneath modest midlevel lapse rates. This is resulting in MLCAPE values around 2000-2500 J/kg. Furthermore, the 20z RAOB from TOP shows little remaining inhibition. While large-scale ascent will remain modest over the region, weak low-level confluence ahead of the boundary and continued heating should allow for a few thunderstorms in the next couple of hours. Current VWP data from KICT and KTWX show modest, but favorably curved low-level hodographs supporting rotation. Furthermore, effective shear magnitudes greater than 50 kt will support supercells. Given aforementioned weak forcing, any storms that develop should remain discrete and have the potential for large hail, damaging gusts and a couple of tornadoes. Convective trends will be monitored and a watch may be needed by 22-23z.

..Leitman/Thompson.. 05/30/2022

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

ATTN...WFO...EAX...TOP...ICT...OUN...

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