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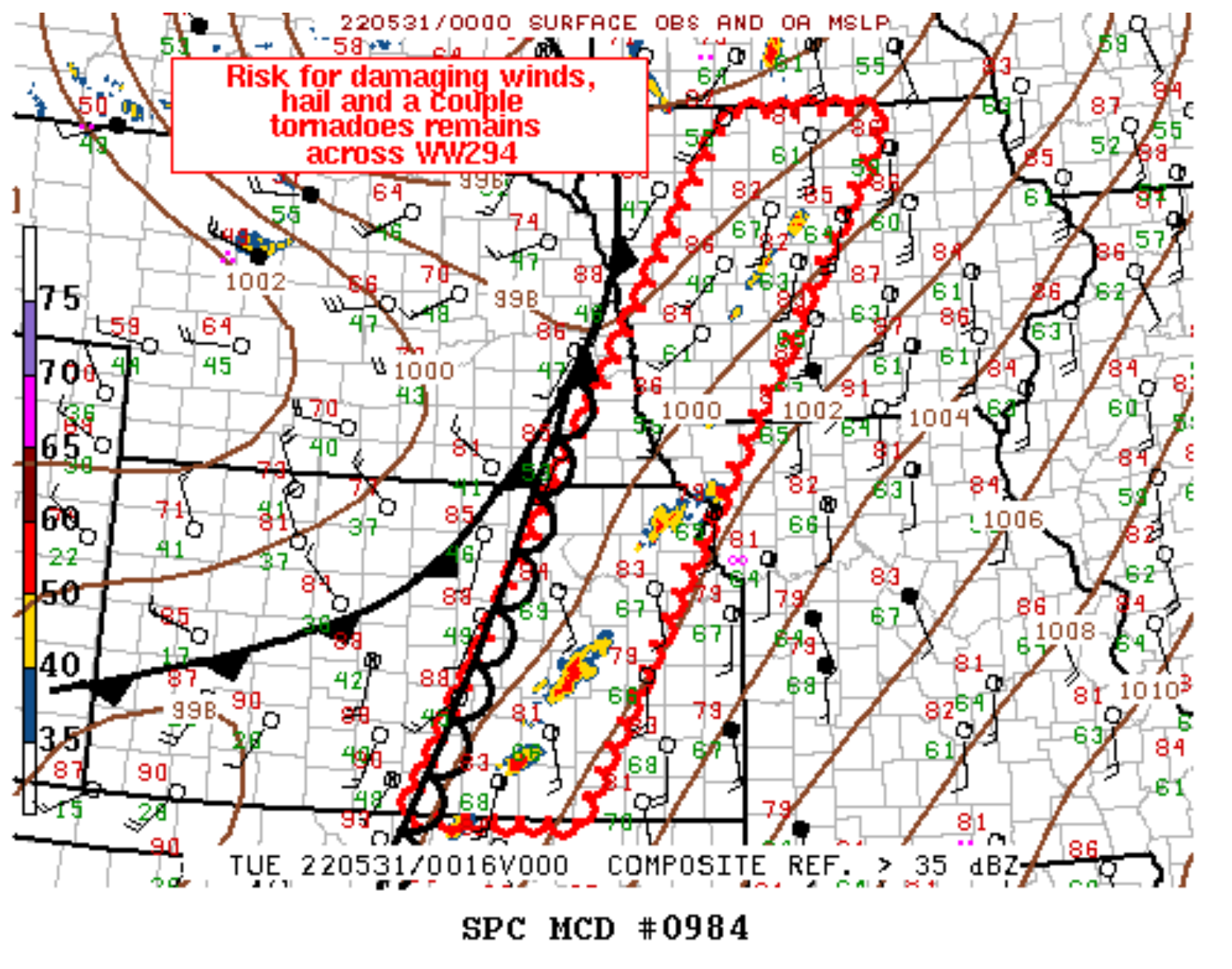
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## Mesoscale Discussion 984

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Mesoscale Discussion 0984  
 NWS Storm Prediction Center Norman OK  
 0730 PM CDT Mon May 30 2022

Areas affected...portions of central and eastern Kansas...eastern Nebraska and central Iowa.

Concerning...Tornado Watch 294...

Valid 310030Z - 310200Z

The severe weather threat for Tornado Watch 294 continues.

SUMMARY...Severe storms ongoing through much of the watch will continue to pose a risk for hail, damaging wind gusts and a couple of tornadoes into this evening. Additional development along the dryline/cold front intersection should renew severe potential with a line of storms later this evening.

DISCUSSION...As of 0025 UTC, regional radar and surface analysis showed several clusters of strong/severe storms ongoing east of a dryline/cold front from KS northeastward into central IA. Convection on the northern side of the watch has struggled to organize so far likely due to deeper mixing of available surface moisture and veered low-level winds. Isolated hail and damaging wind gusts will remain possible with storms given 2000 J/kg of MLCAPE and 50-70 kt of effective shear. Farther south into portions of KS, several supercells have organized east of the dryline along the I-35 corridor. Several reports of hail and strong winds have been observed over the last hour. The severe risk should continue into this evening within a warm, moist and buoyant airmass characterized by upper 60s F dewpoints and temperatures in the low 80s F. The tornado threat remains less certain, but some 0-1km hodograph enlargement has been noted on area VAD WVPs over the last hour in response to the increasing nocturnal low-level jet. A couple of tornadoes will remain possible with the stronger more isolated supercells and low-level shear increases tonight.

Additional storm development along the western edge of the watch is likely later this evening as the surging cold front intersects with the dryline. Evening visible imagery shows some enhancement to high-based cumulus along the front from southeastern NE into western IA. The main threats with these storms will be damaging winds and hail, though a QLCS tornado or two will remain possible given the increasing low-level shear.

..Lyons.. 05/31/2022

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

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