



# Storm Prediction Center

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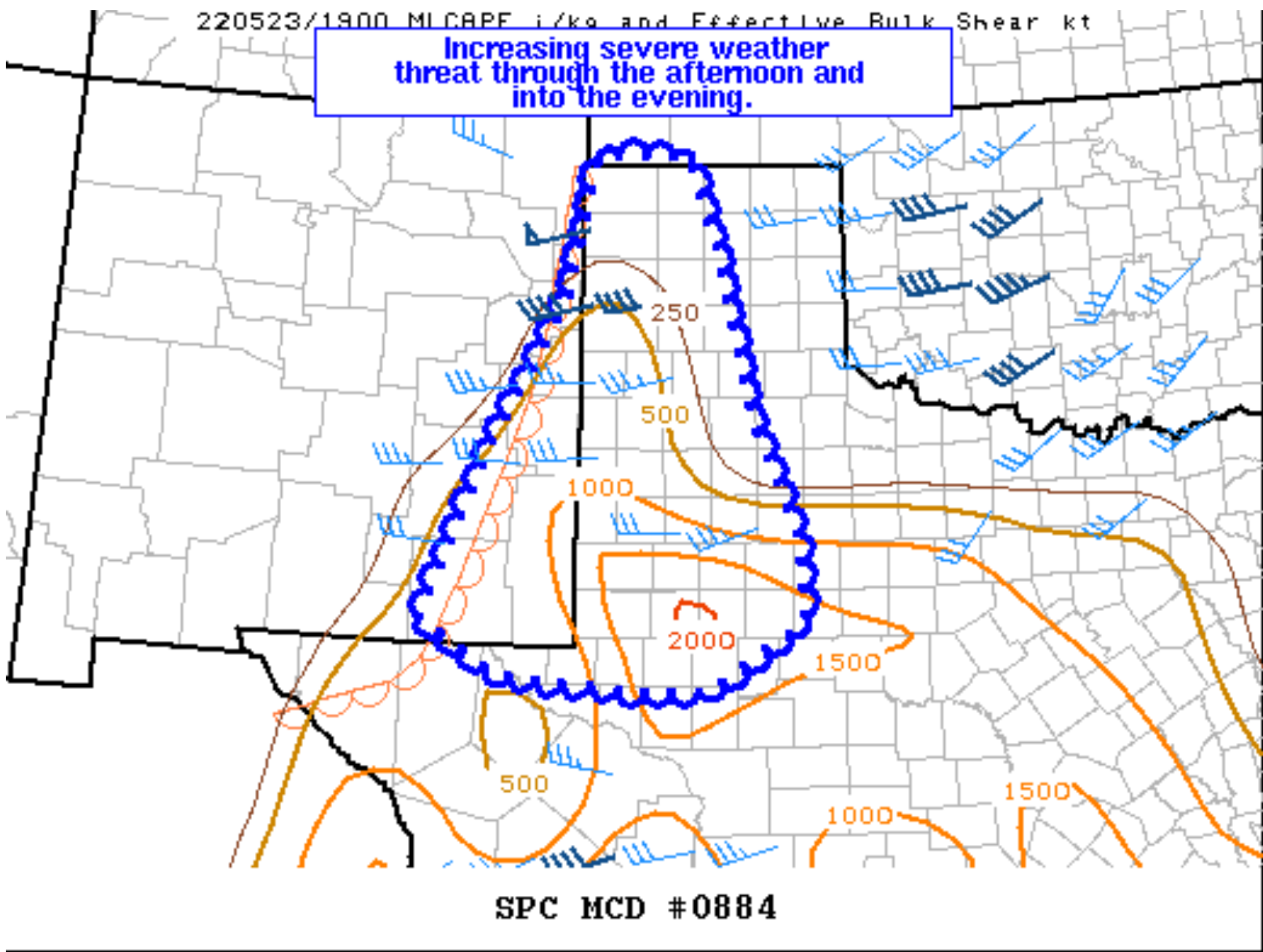
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## Mesoscale Discussion 884

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Mesoscale Discussion 0884  
NWS Storm Prediction Center Norman OK  
0246 PM CDT Mon May 23 2022

Areas affected...Portions of the southern High Plains

Concerning...Severe potential...Watch likely

Valid 231946Z - 232145Z

Probability of Watch Issuance...80 percent

SUMMARY...The severe weather threat will increase through the afternoon and into the evening across portions of the southern High Plains.

DISCUSSION...The boundary layer has started to warm across the southern High Plains in the wake of morning mid-level cloud cover. In addition, southerly/southeasterly low-level flow has increased dewpoints into the low to mid 50s. Continued heating and low-level moisture advection will continue destabilization across the warm sector and erode inhibition which should allow storms to develop along the dryline in the next 1 to 2 hours as a mid-level shortwave trough approaches the southern High Plains.

The MAF VWP shows very weak flow through the troposphere which can explain the lack of organization with the ongoing storms northeast of Midland. However, farther north/northwest, strong mid-level flow (45 knots per FDX/AMA VWP) is present which should aid in storm organization. Supercells are possible with primary threats of large hail and severe wind initially while storms remain semi-discrete. However, storms are expected to congeal into clusters/lines by mid-late evening with severe wind as the primary threat.

..Bentley/Hart.. 05/23/2022

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

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