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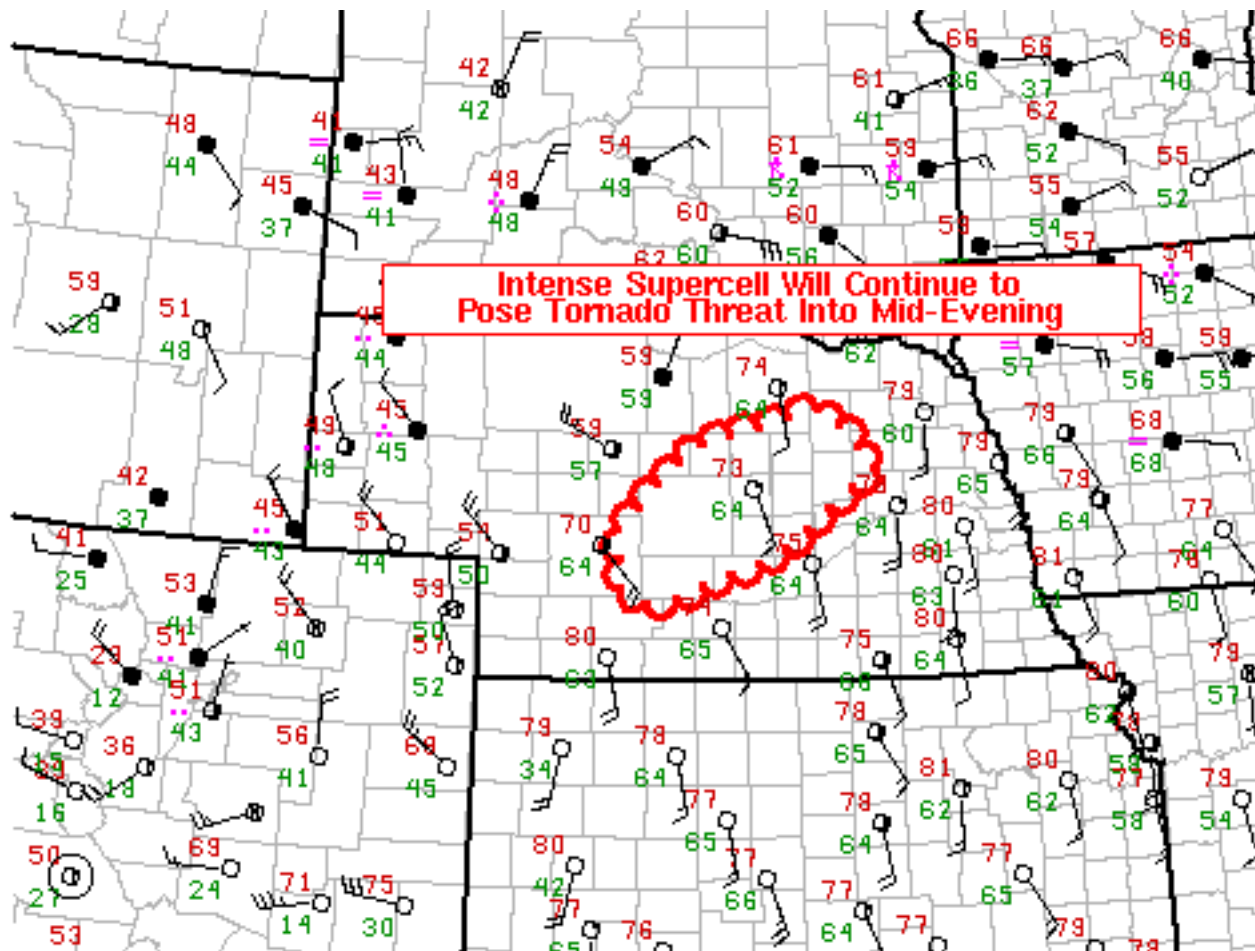
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SPC Feedback

Mesoscale Discussion 658

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SPC MCD #0658

Mesoscale Discussion 0658

NWS Storm Prediction Center Norman OK

0812 PM CDT Fri May 17 2019

Areas affected...Portions of central Nebraska

Concerning...Tornado Watch [172](#)...

Valid 180112Z - 180315Z

The severe weather threat for Tornado Watch 172 continues.

SUMMARY...A long-lived supercell thunderstorm continues to move into an environment favorable for tornadoes. The strength of the low-level wind fields suggests that some tornadoes may be significant. Large hail will also be possible.

DISCUSSION...An intense supercell with a history of producing tornadoes has been ongoing for the last few hours and has shown increasing signs of rotation per KUEX radar. Low-veering in the KUEX VAD profile shows very large 0-1 km SRH approaching 400 m²/s². Given



the continued influx of higher theta-e air and increased low-level winds accompanying the low-level jet, this activity is expected to persist into at least mid-evening. Tornadoes, some significant, and large hail will all be possible with this activity.

..Wendt.. 05/18/2019

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

ATTN...WFO...OAX...GID...LBF...

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