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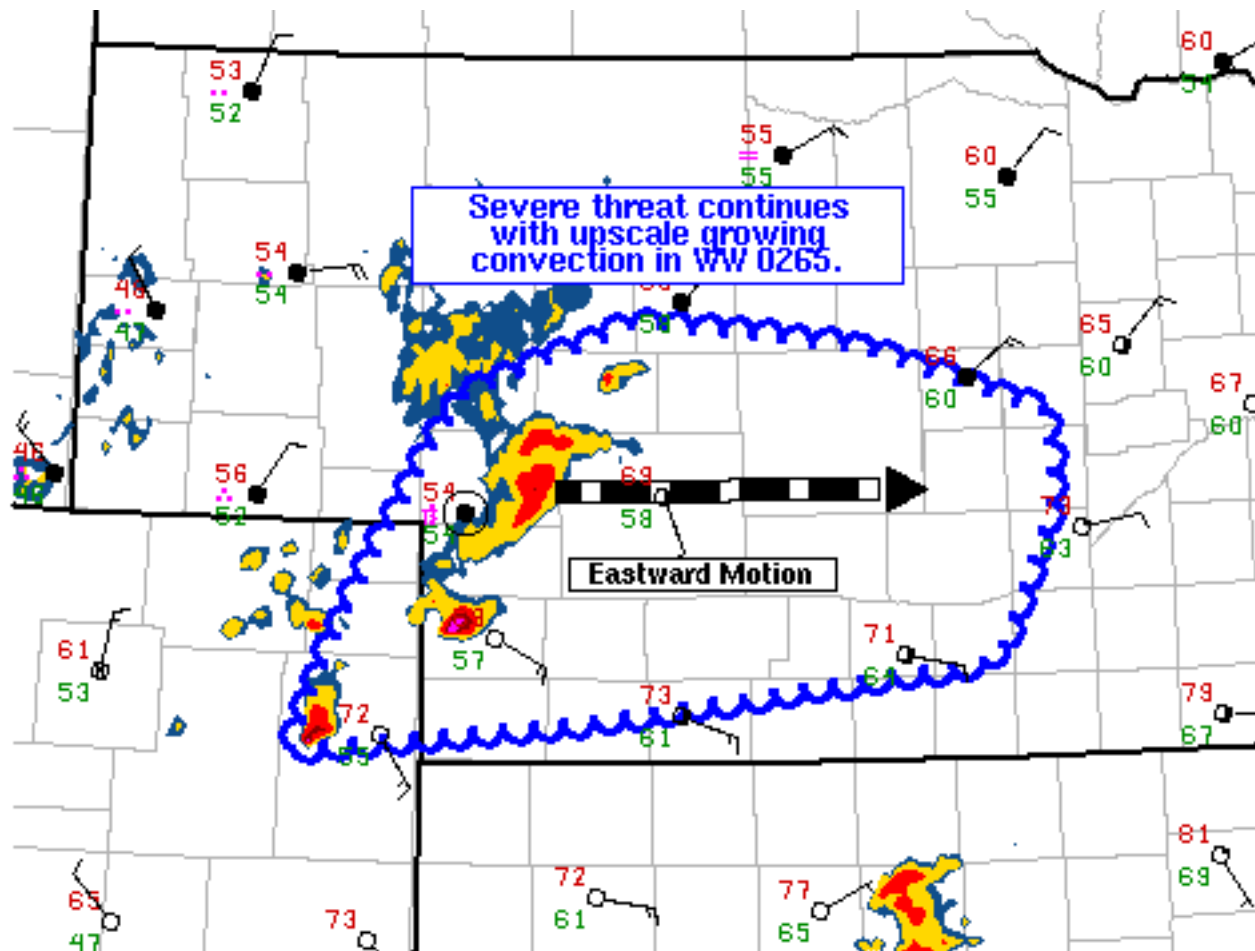
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Mesoscale Discussion 841

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SPC MCD #0841

Mesoscale Discussion 0841

NWS Storm Prediction Center Norman OK

0847 PM CDT Mon May 27 2019

Areas affected...Western into central Nebraska

 Concerning...Severe Thunderstorm Watch [265](#)...

Valid 280147Z - 280345Z

The severe weather threat for Severe Thunderstorm Watch 265 continues.

SUMMARY...The severe threat continues across portions of Severe Thunderstorm Watch 0265, particularly with a supercell that may be experiencing upscale growth entering Lincoln County, Nebraska. Damaging winds and large hail will be the primary threats, though a tornado cannot be ruled out.

DISCUSSION...Supercell storms are in progress, from Lincoln and Chase Counties in Nebraska and Yuma County Colorado. The Nebraska



storms have history of producing significant severe (2.0+ inch) hail. The Chase County Nebraska supercell also has a history of producing brief tornadoes and, most recently, a measured 89 mph wind gust. These storms will continue to traverse an east-to-west oriented baroclinic zone, which will experience high theta-e advection along the terminus of the low-level jet. Before nocturnal stabilization results in boundary layer decoupling, storms that remain surface based will continue to ingest adequate instability within a highly sheared environment. As such, damaging wind gusts and isolated tornadoes will continue to remain a concern. In addition, there is also evidence of a potential MCV developing with the Lincoln County convection, as upscale growth continues. As such, an enhanced threat for damaging wind gusts and large hail will exist with these storms until convection becomes elevated within a stabilizing boundary layer.

..Squitieri/Hart.. 05/28/2019

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

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