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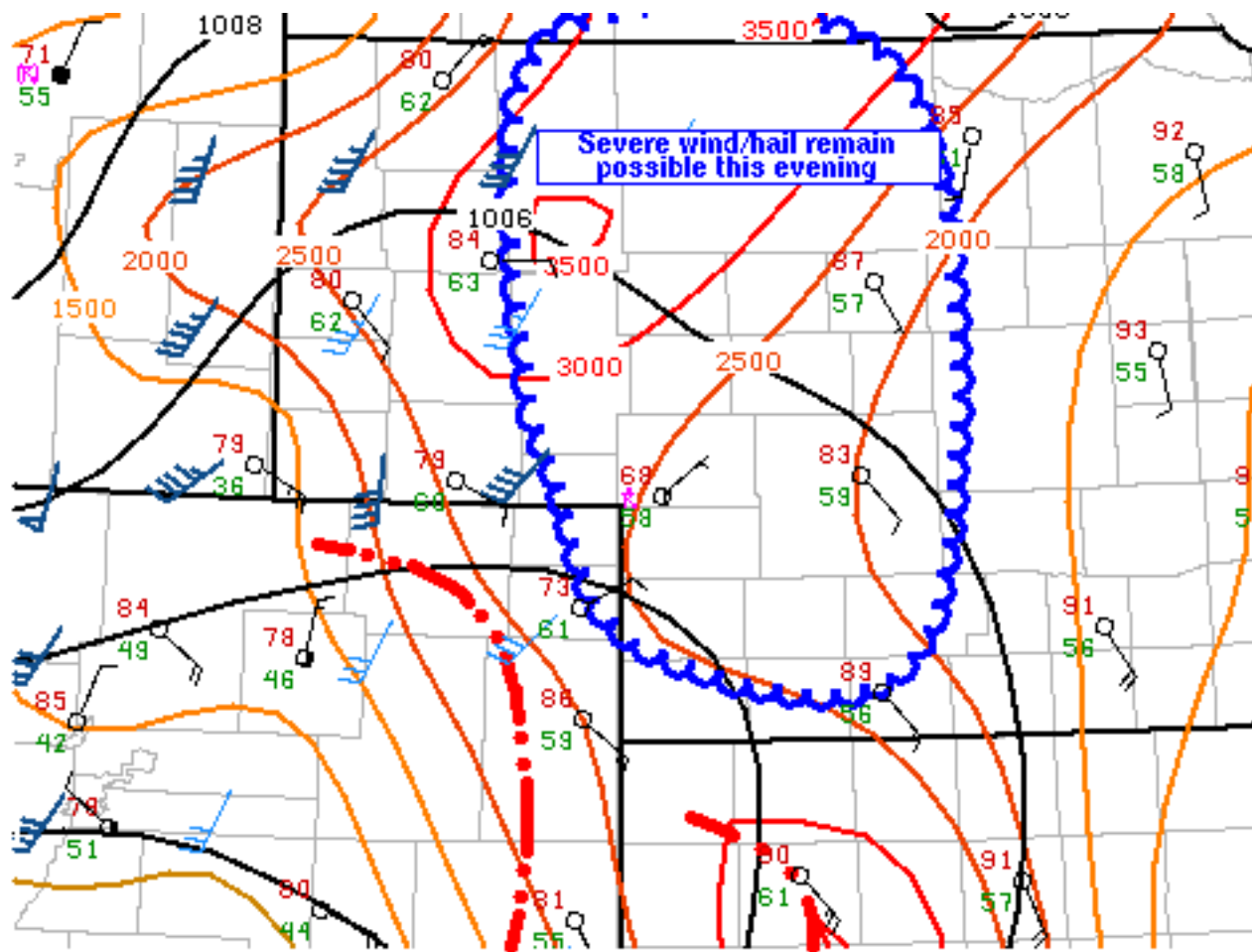
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## Mesoscale Discussion 547

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SPC MCD #0547

Mesoscale Discussion 0547

NWS Storm Prediction Center Norman OK

0641 PM CDT Sun May 27 2018

Areas affected...West-central Nebraska

 Concerning...Severe Thunderstorm Watch [125](#)...

Valid 272341Z - 280115Z

The severe weather threat for Severe Thunderstorm Watch 125 continues.

SUMMARY...Bouts of severe hail and severe-caliber wind gusts will remain possible as storms spread northeastward across west-central Nebraska within Severe Thunderstorm Watch 125, which continues until 9pm MDT/10pm CDT.

DISCUSSION...Strong to severe thunderstorms continue to spread north-northeastward along/north of I-80 to the north of Ogallala as of 2330Z. Although these storms have shown some signs of weakening,

additional/organized storms will continue to spread northeastward into [WW 125](#) out of northeast Colorado and far northwest Kansas. Convective trends and a relatively modest shear environment (30 kt effective shear at most) suggest a continued multicellular/linear mode, with steep lapse rates and dry air above the boundary layer, as noted in the 00Z North Platte observed sounding, being supportive of potentially severe-caliber downdrafts. Storm persistence is expected to be aided by a backing and strengthening low-level jet through early/mid-evening. Overall, bouts of severe hail and severe-caliber winds will remain possible as storms generally move northeastward across [WW 125](#).

..Guyer.. 05/27/2018

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

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