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## Mesoscale Discussion 842

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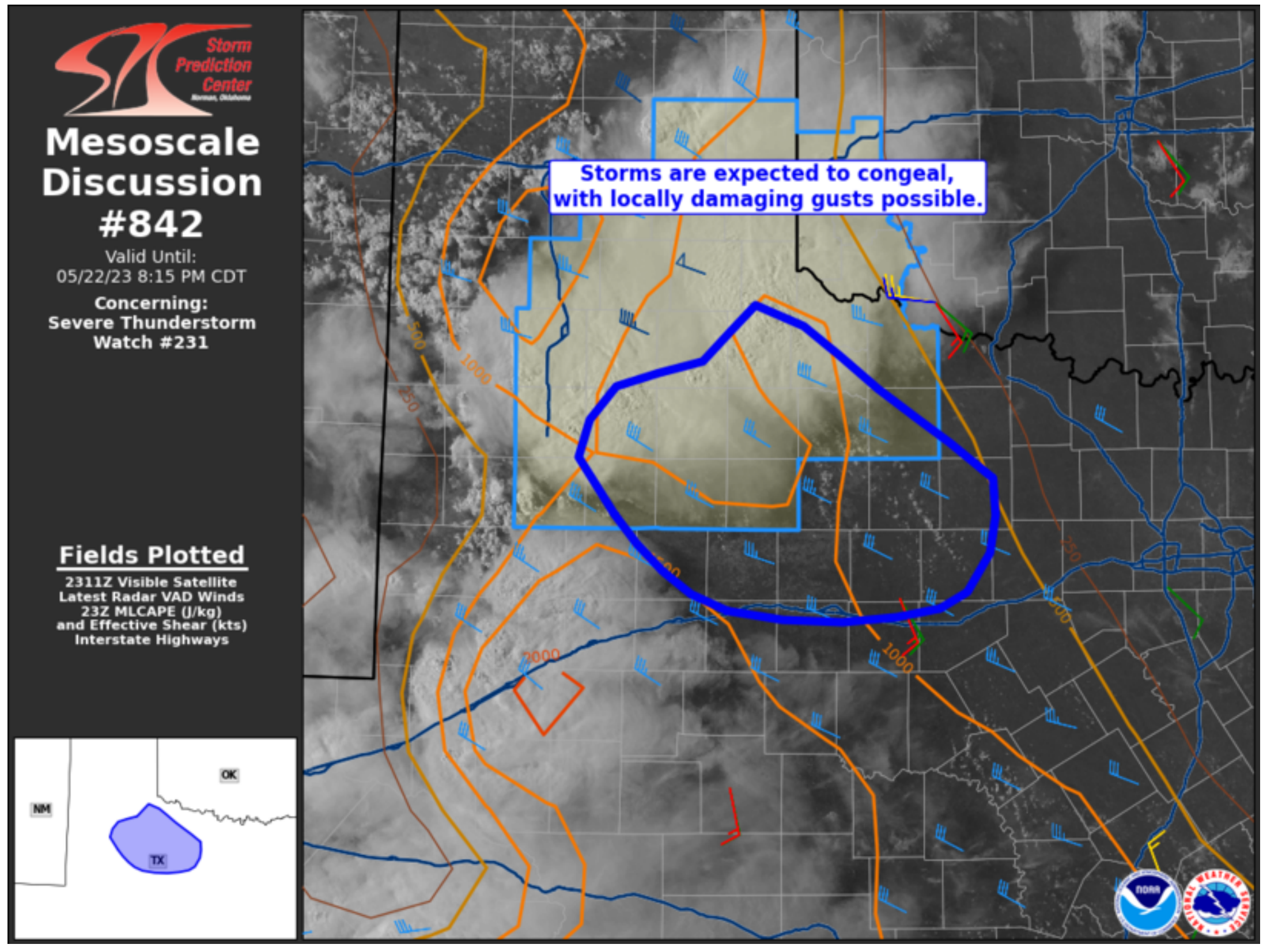
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Mesoscale Discussion 0842  
 NWS Storm Prediction Center Norman OK  
 0618 PM CDT Mon May 22 2023

Areas affected...much of northwest Texas

Concerning...Severe Thunderstorm Watch 231...

Valid 222318Z - 230115Z

The severe weather threat for Severe Thunderstorm Watch 231 continues.

**SUMMARY...**Scattered storms may persist well into the evening, moving generally southeastward across northwest Texas. Both hail and severe gusts will be possible, and additional downstream counties may require a watch.

**DISCUSSION...**Storms moving from the TX Panhandle into the South Plains are currently of mixed mode, and producing both severe hail and wind. A recent gust to 66 mph was measured in Crosby County, TX with a severe cell, and other cells in the vicinity may produce similar results. Other storms toward CDS are showing a linear mode, and this may eventually become the dominant type over the next few hours.

Visible imagery shows a CU field extending downstream across northwest TX, as far east as Young and Stephens Counties, but generally north of San Angelo. This region has favorable theta-e with upper 50s F dewpoints and where temperatures peaked in the upper 80s F.

Although only modest northwest flow aloft exists, it is favorably situated over moist southeasterly low-level winds, creating around 35 kt effective shear. The current batch of storms will continue to interact, and possibly merge into an MCS over the next several hours. As this becomes more likely, areas downstream may need to be in a watch for damaging gusts and hail.

..Jewell.. 05/22/2023

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