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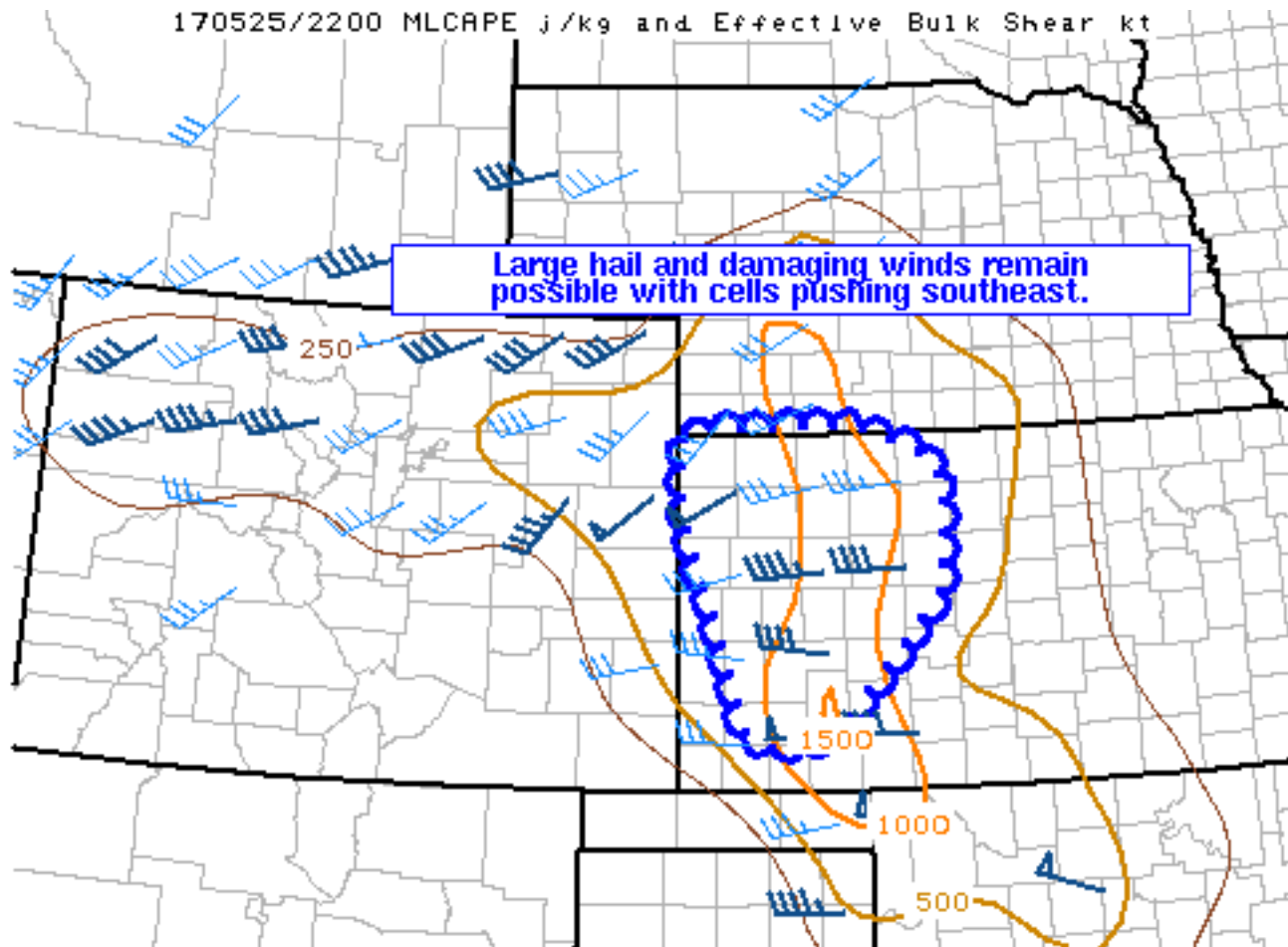
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## Mesoscale Discussion 841

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SPC MCD #0841

Mesoscale Discussion 0841

NWS Storm Prediction Center Norman OK

0523 PM CDT Thu May 25 2017

Areas affected...Portions of the central high Plains

Concerning...Severe Thunderstorm Watch 267...

Valid 252223Z - 252330Z

The severe weather threat for Severe Thunderstorm Watch 267 continues.

SUMMARY...Isolated severe thunderstorms will push southeast across western Kansas this evening, with a continuing threat for large hail, damaging winds, and perhaps a tornado.

DISCUSSION...A pair of severe storms has organized over northwest Kansas this evening, with a report of 3-inch diameter hail and a tornado earlier in Yuma County, Colorado. These cells have recently decreased in intensity somewhat; however, as outflow/merged cold

pools push southeast (enhanced by large temperature-dew point spreads), new updrafts will likely develop, occasionally acquiring rotation. Such cells will continue to be capable of large hail and damaging winds, with a brief tornado possible as well. While the overall intensity trend will be downward later this evening as cells move into an environment of larger convective inhibition, any sustained updraft rotation (and related upward perturbation pressure gradient force) would allow stronger cells to move farther east towards central Kansas.

Across southwest Kansas, deep convection has struggled to sustain itself, likely due to considerable dry-air entrainment. Due to a relatively narrow corridor favorable for initiation (between the dry line and considerable convective inhibition to the east), the potential for robust, sustained cells remains limited. In turn, new watch issuance or expansion of Watch 267 appears unlikely at this time. Nonetheless, a cell or two could deepen enough this evening for a brief large hail and/or wind threat.

..Picca.. 05/25/2017

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