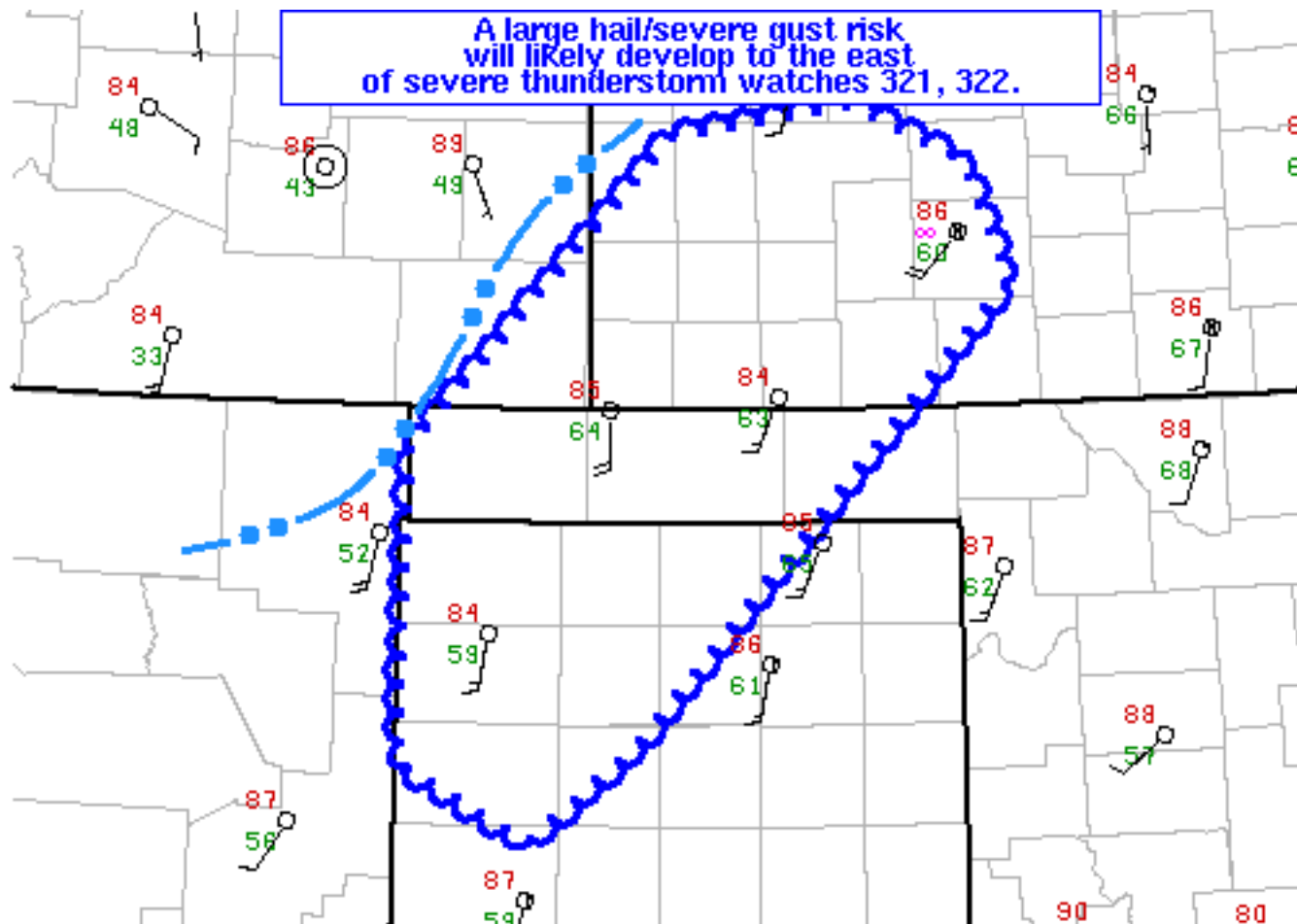


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Mesoscale Discussion 967

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SPC MCD #0967

Mesoscale Discussion 0967

NWS Storm Prediction Center Norman OK

0450 PM CDT Mon Jun 03 2019

Areas affected...southwest KS...OK Panhandle...northwest TX
Panhandle

Concerning...Severe potential...Severe Thunderstorm Watch likely

Valid 032150Z - 032245Z

Probability of Watch Issuance...80 percent

SUMMARY...A large hail/severe gust risk will likely develop to the east of severe thunderstorm watches 321, 322 with a broken band of thunderstorms.

DISCUSSION...Radar mosaic shows storms becoming aligned in a broken band from near Clayton, NM northeast through southeast CO. RAP forecast soundings show steep lapse rates from the surface through 300mb (7.5-8.0 degrees C/km). A moist/unstable boundary layer



features lower 60s dewpoints to the east of the developing storms. Although effective shear is marginal for organized severe storms, it appears the strong upper tropospheric flow increasing from 50kt to 80kt in the 300mb-200mb layer will compensate for some severe storm organization when coupled with the steep lapse rate profile. Large hail and severe gusts are the main severe threats with these storms.

..Smith/Grams.. 06/03/2019

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

ATTN...WFO...DDC...AMA...PUB...

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