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City, St

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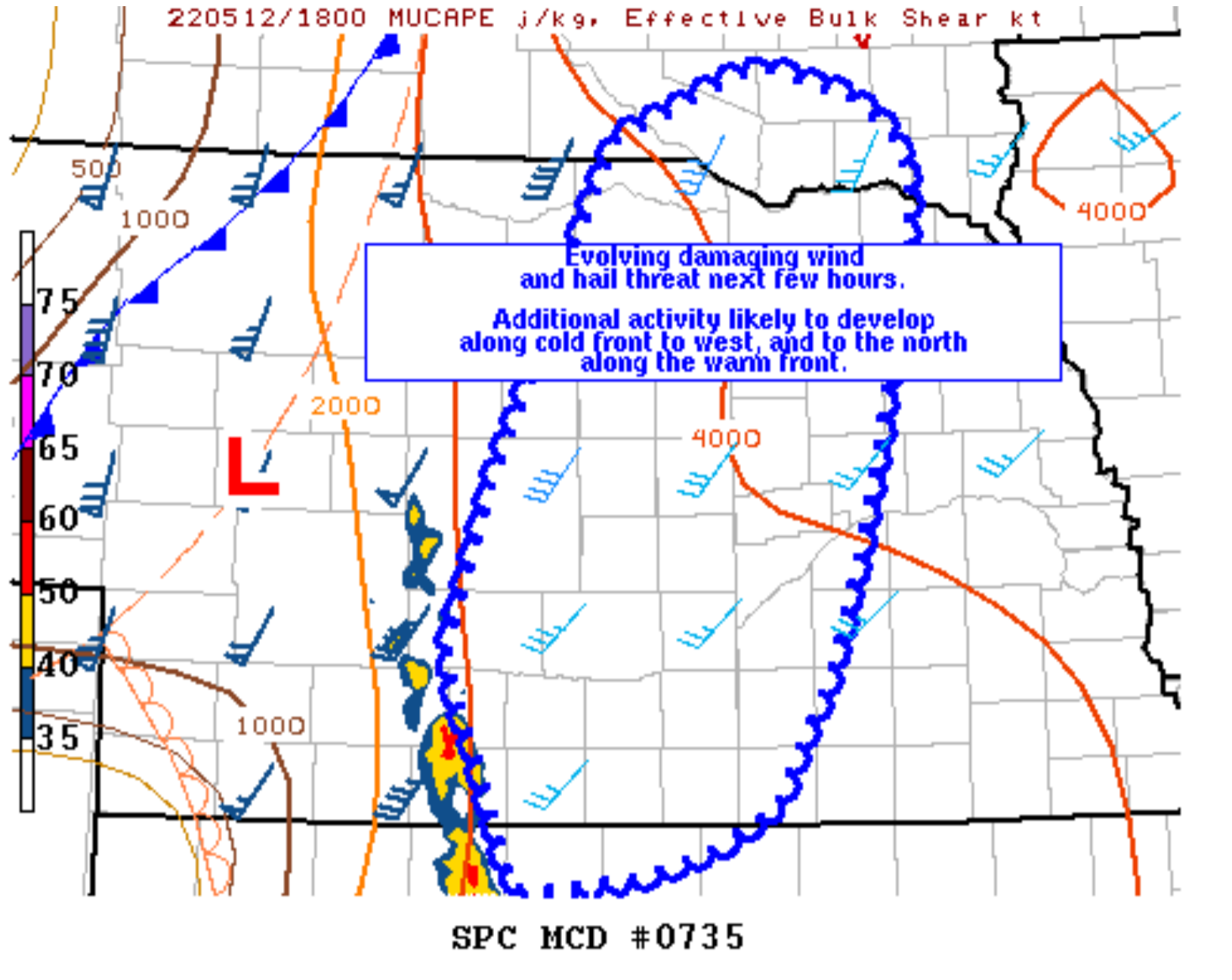
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Mesoscale Discussion 735

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Mesoscale Discussion 0735
 NWS Storm Prediction Center Norman OK
 0139 PM CDT Thu May 12 2022

Areas affected...far north-central Kansas across much of central Nebraska and toward southeast South Dakota

Concerning...Severe potential...Watch likely

Valid 121839Z - 122115Z

Probability of Watch Issuance...80 percent

SUMMARY...Storms are likely to increase in coverage and intensity over the next several hours, with damaging winds and hail expected.

DISCUSSION...A north-south oriented line of thunderstorms have strengthened over the past hour, evolving out of initially elevated convection. Given the increasing outflow production, further upscale growth is possible with this line of storms as strong instability exists downstream across NE and into SD. Increasingly strong deep-layer shear to the north will also favor damaging hail with the stronger cells.

A secondary line of storms is also anticipated along the cold front later today as it pushes east across NE. In addition, a more robust supercell/tornado threat is also possible over SD later today, and will be addressed in later discussions.

..Jewell/Guyer.. 05/12/2022

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

ATTN...WFO...FSD...OAX...GID...LBF...GLD...

LAT...LON 40059970 40740000 41529973 42429930 42729918 43099898
 43419809 43279752 43079725 42799718 42019734 41299752
 40719772 40089805 39869851 39769892 39739935 39729958
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