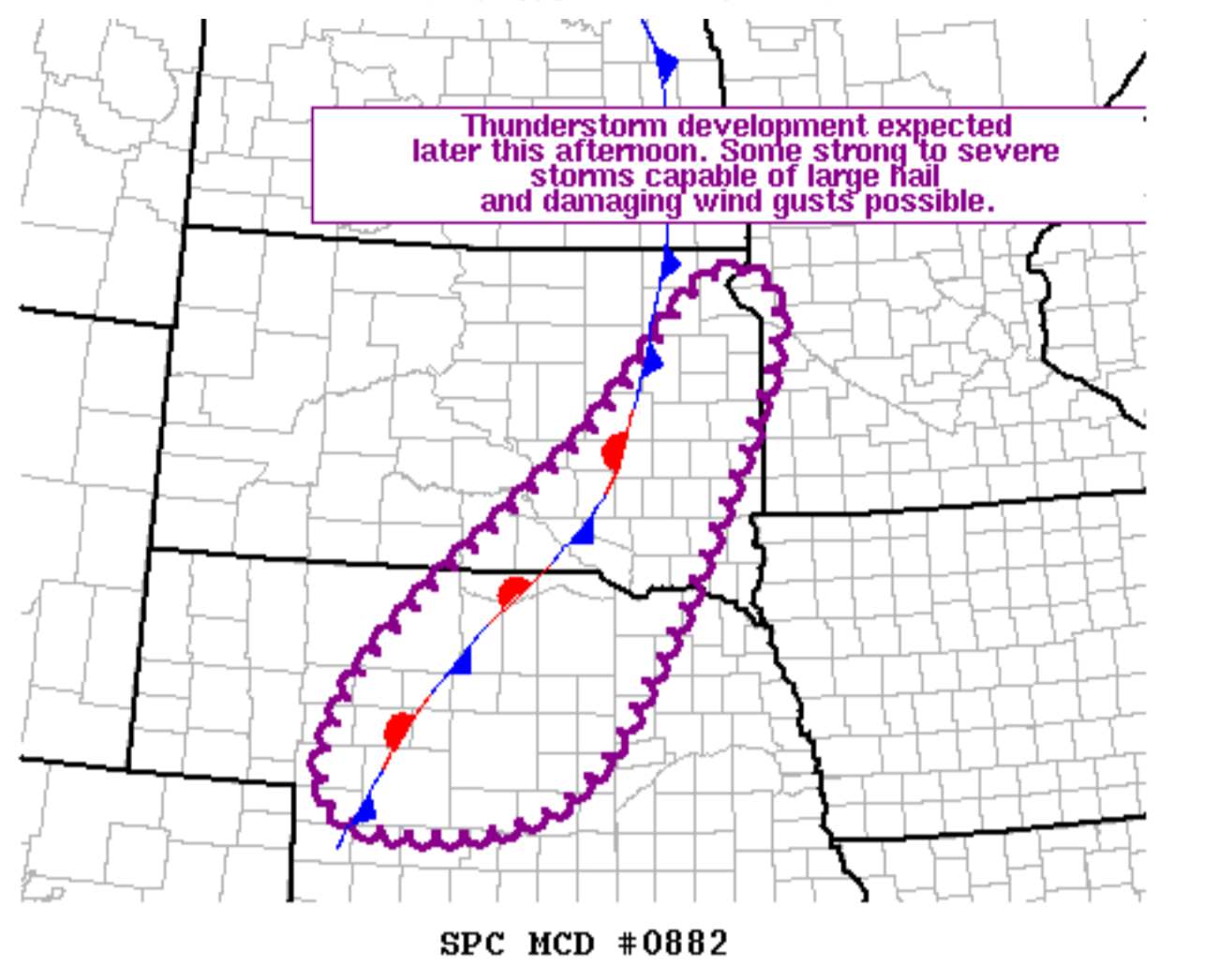


Local forecast by  
"City, St" or "ZIP"City, St  

## Mesoscale Discussion 882

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Mesoscale Discussion 0882

NWS Storm Prediction Center Norman OK  
0316 PM CDT Mon Jun 08 2020

Areas affected...Eastern/South-Central SD...Central NE

Concerning...Severe potential...Watch likely

Valid 082016Z - 082245Z

Probability of Watch Issuance...80 percent

SUMMARY...Thunderstorm development expected later this afternoon. At least scattered storm coverage is anticipated, with some storms capable of large hail and damaging downburst winds.

DISCUSSION...Surface analysis and visible satellite imagery reveals a somewhat complex pattern across eastern SD into central NE over the past hour so. A cold front continues to move slowly eastward into eastern SD. This front gradually transitions to a stationary front across central NE. Increasing dewpoints have been noted near this stationary front (at LBF, TIF, and ANW in central NE) over the past hour or so. Mesoanalysis suggests the most of warm sector south/southeast of these boundaries has destabilized. Some more vertically developed cumulus has been noted recently in visible satellite imagery.

Strong buoyancy as well as convergence along this boundary and within the warm sector is expected to result in convective initiation later this afternoon. Mid-level temperatures are slightly warmer here than areas farther north, which could limit storm coverage. Additionally, this area is on the southern edge of the stronger flow aloft, resulting in slightly less vertical shear. Even with some of these limitations, at least scattered storm coverage is anticipated and the robust buoyancy will still support intense updrafts capable of large hail and damaging downburst winds.

..Mosier/Thompson.. 06/08/2020

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

ATTN...WFO...MPX...FSD...OAX...ABR...GID...LBF...UNR...

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