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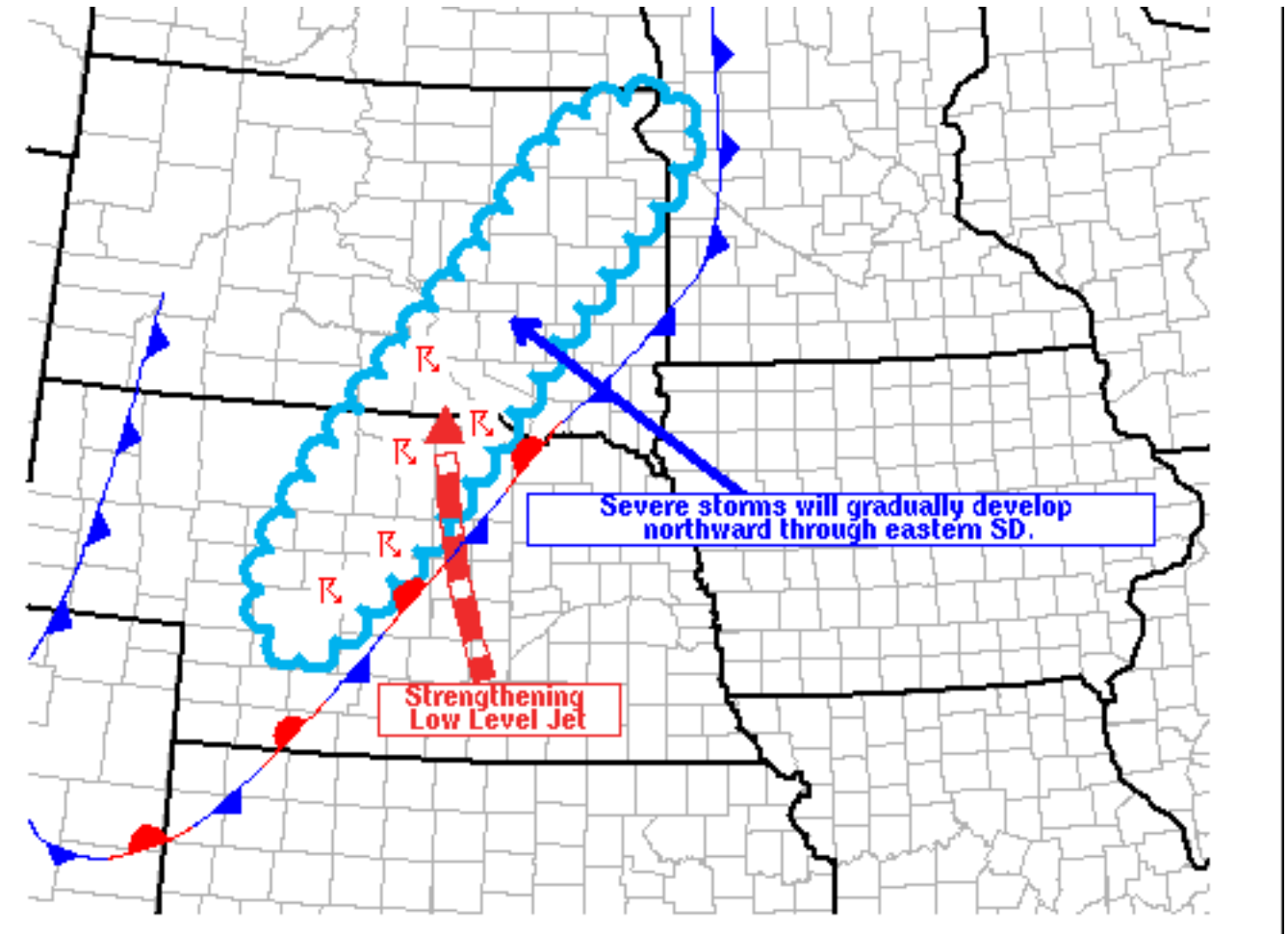
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Mesoscale Discussion 887

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SPC MCD #0887

Mesoscale Discussion 0887
 NWS Storm Prediction Center Norman OK
 0913 PM CDT Mon Jun 08 2020

Areas affected...central Nebraska through eastern South Dakota

Concerning...Severe Thunderstorm Watch 272...

Valid 090213Z - 090415Z

The severe weather threat for Severe Thunderstorm Watch 272 continues.

SUMMARY...The threat for large hail, damaging wind and a tornado or two will persist this evening across central Nebraska with additional development expected through eastern South Dakota.

DISCUSSION...Several severe storms persist from central through north central NE along and north of a stalled front. The southerly low-level jet has increased to 40+ kt based on latest VWP, and this feature is augmenting isentropic ascent and frontogenetic forcing from NE through eastern SD. Vertical wind profiles with 45-50 kt effective bulk shear within a moderately unstable environment will continue to support some supercell structures, but there will also be a tendency for some storms to evolve into clusters as they spread northward. Primary threats remain large hail and damaging wind. The window of opportunity for an isolated tornado or two should gradually decrease, given storms are developing in post frontal regime where the near-surface layer is stabilizing.

..Dial.. 06/09/2020

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

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