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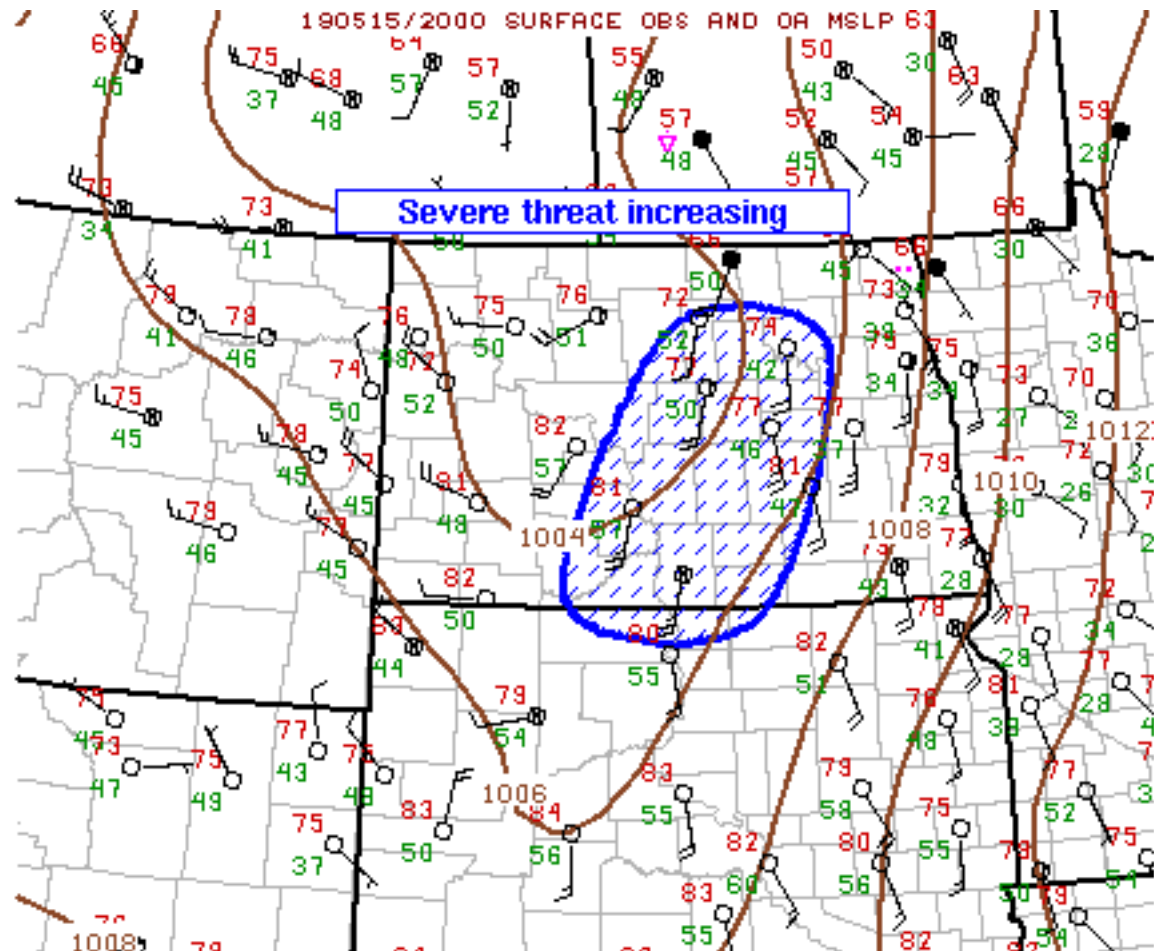
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Mesoscale Discussion 635

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SPC MCD #0635

Mesoscale Discussion 0635

NWS Storm Prediction Center Norman OK

0323 PM CDT Wed May 15 2019

Areas affected...Central ND and a small part of northern SD

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

Valid 152023Z - 152200Z

Probability of Watch Issuance...80 percent

SUMMARY...Scattered thunderstorms are expected to develop in the next few hours across central ND. Hail/wind are possible and a severe thunderstorm watch will likely be warranted.

DISCUSSION...Strong boundary-layer heating has contributed to steep low-level lapse rates across the northern High Plains this afternoon, effectively eliminating capping across this region. Over the last half hour, moist boundary-layer thermals are deepening from Adams-southern Mercer County ND immediately ahead of sharp wind



shift. Latest thinking is thunderstorms will soon develop along this corridor, aided in part by ridge-suppressing short-wave trough that will dig into the upper Red River Valley this evening. Latest CAMs support this scenario and hail/wind are potential hazards with this activity.

..Darrow/Grams.. 05/15/2019

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

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