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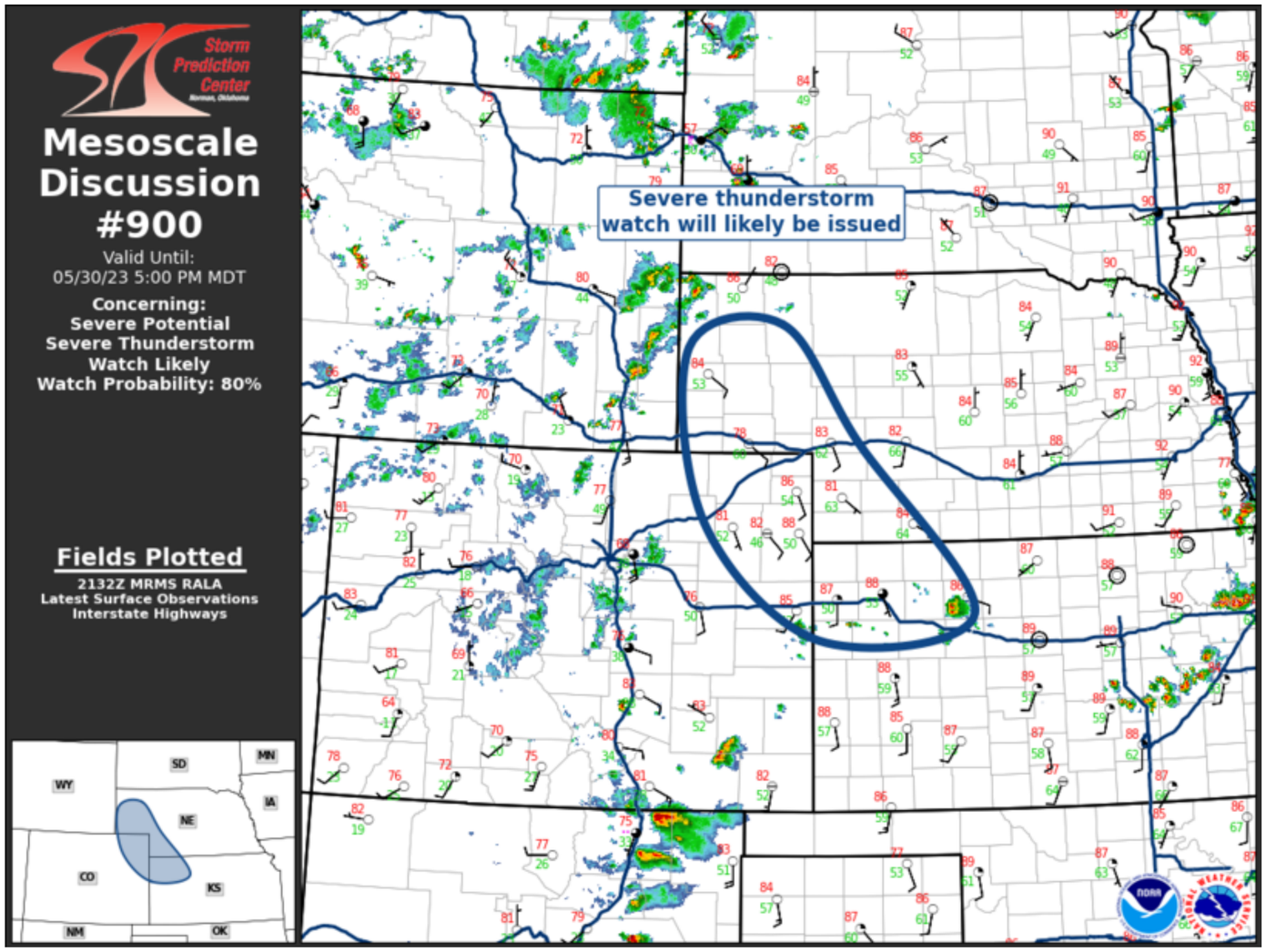

Mesoscale Discussion 0900
NWS Storm Prediction Center Norman OK
0434 PM CDT Tue May 30 2023

Areas affected...Central High Plains

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

Valid 302134Z - 302300Z

Probability of Watch Issuance...80 percent

SUMMARY...High-based convection is expected to increase across the central High Plains this evening. Severe winds are the greatest risk, though isolated large hail can be expected.

DISCUSSION...Surface heating across the central High Plains has minimized inhibition in the lee of the Rockies from southeast WY into northeast CO. As a result, scattered convection is beginning to increase in areal coverage, especially across southeast WY. This activity appears to be aided by a weak mid-level disturbance that is shifting east toward the central Plains. Southeasterly low-level inflow should contribute to eastward propagation as some increase in LLJ is expected after sunset. Additionally, scattered cu field is deepening along a weak surface boundary, just north of I-70 over northwest KS. Thunderstorms may continue to cluster along this zone of preferential low-level convergence over the next few hours. Severe winds should be the primary risk as convection organizes over the High Plains and potentially grows upscale as it progresses downstream this evening.

..Darrow/Grams.. 05/30/2023

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

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