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 City, St

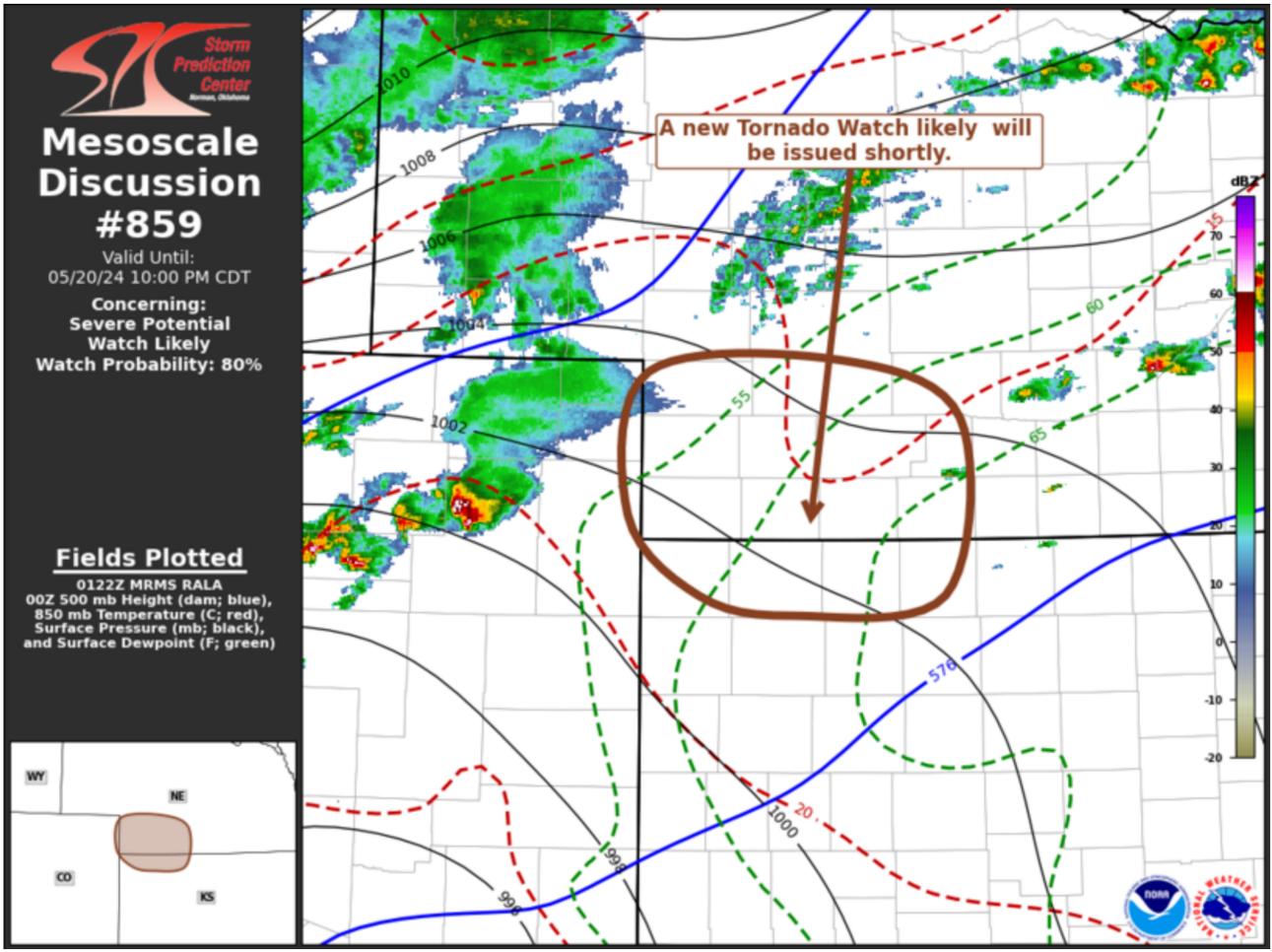
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## Mesoscale Discussion 859

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Mesoscale Discussion 0859  
 NWS Storm Prediction Center Norman OK  
 0825 PM CDT Mon May 20 2024

Areas affected...parts of southwestern Nebraska and adjacent northern Kansas

Concerning...Severe potential...Watch likely

Valid 210125Z - 210300Z

Probability of Watch Issuance...80 percent

**SUMMARY**...An intensifying supercell and perhaps small upscale growing convective cluster appears likely to continue developing eastward along a frontal zone into portions of southwestern Nebraska and adjacent northern Kansas through 10 PM-Midnight CDT. This will be accompanied by increasing potential for large hail, severe wind gusts and a few tornadoes. A new watch likely will be issued within the next hour or so.

**DISCUSSION**...More substantive intensification of convection across northeastern Colorado is now underway, including one supercell now propagating eastward across the Akron CO vicinity. As activity continues eastward, strengthening easterly low-level updraft inflow will become increasingly unstable with deeper progression into the plains. This likely will support further upscale growth, including, at least initially, an enlarging supercell, then perhaps a gradually upscale growing cluster focused along the baroclinic zone (roughly centered around 700 mb) extending eastward near/north of the Kansas/Nebraska border vicinity.

..Kerr/Thompson.. 05/21/2024

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