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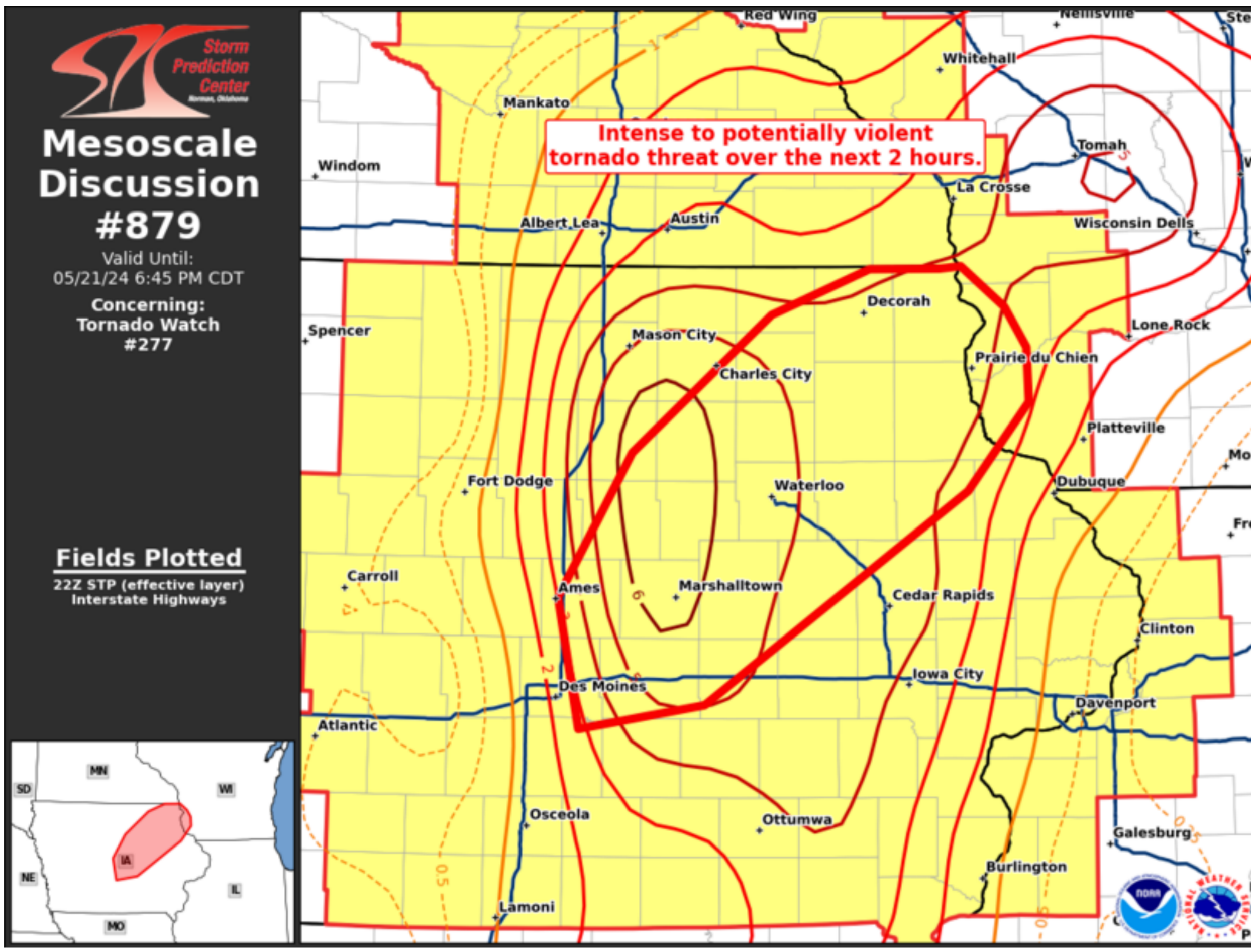
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Mesoscale Discussion 879

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Mesoscale Discussion 0879
 NWS Storm Prediction Center Norman OK
 0509 PM CDT Tue May 21 2024

Areas affected...Central Iowa into northeast Iowa and far southwest Wisconsin.

Concerning...Tornado Watch 277...

Valid 212209Z - 212345Z

The severe weather threat for Tornado Watch 277 continues.

SUMMARY...Intense to potentially violent tornado threat across northeast Iowa and into southwest Wisconsin over the next 2 hours

DISCUSSION...The supercell which formed the intense to potentially violent tornado which impacted Greenfield and other portions of southwest Iowa this afternoon has re-intensified after storm mergers. This storm and another strong supercell to its south are moving into an increasingly favorable tornadic environment with a STP of 5 to 6 (per SPC mesoanalysis). The backed surface winds and vorticity rich environment in the wake of the morning convection will provide ample low-level vorticity for a sustained tornado threat into the early evening. One or more long-track, potentially violent tornadoes are possible in this corridor over the next 90 to 120 minutes.

..Bentley/Thompson.. 05/21/2024

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

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