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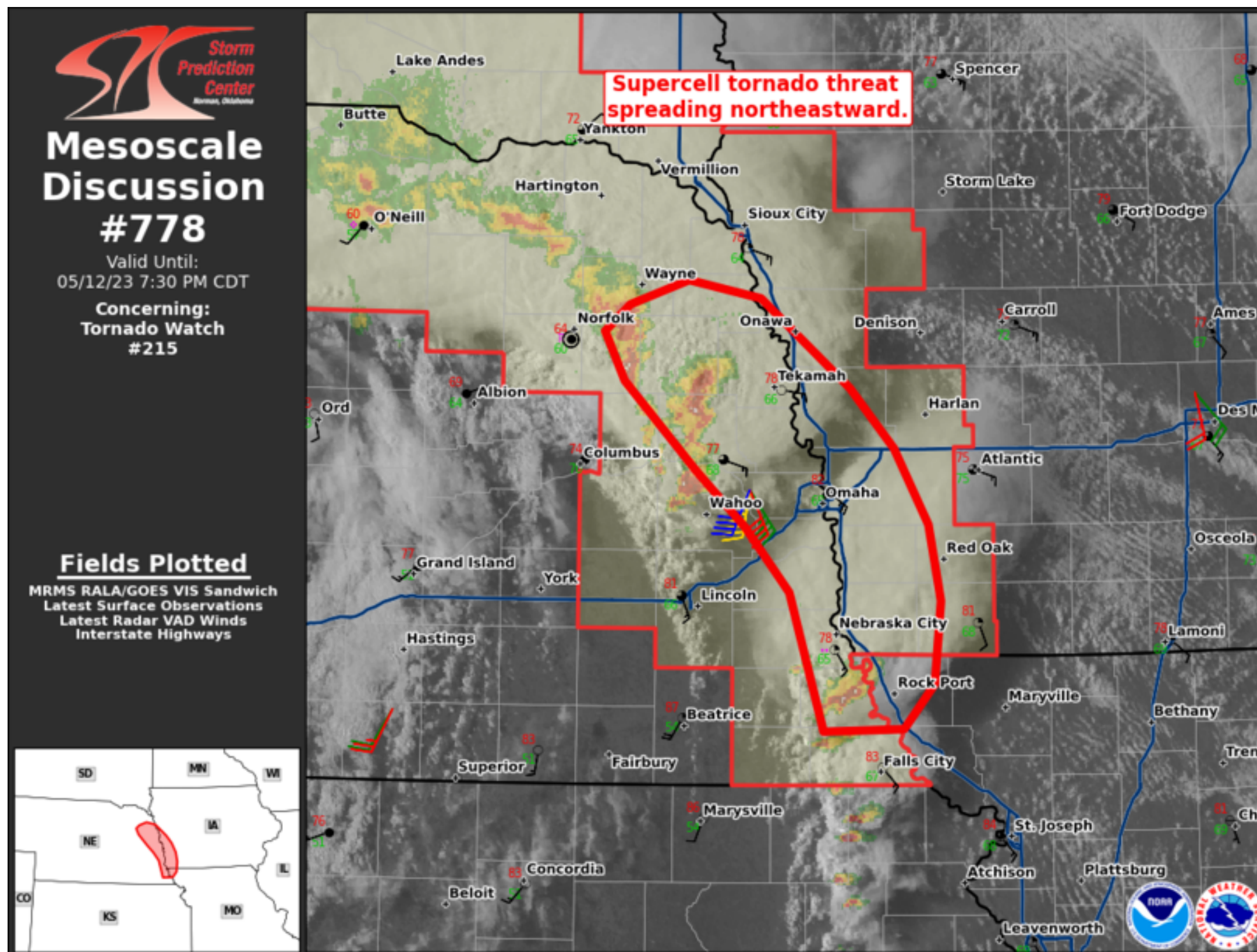
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Mesoscale Discussion 778

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Mesoscale Discussion 0778
 NWS Storm Prediction Center Norman OK
 0600 PM CDT Fri May 12 2023

Areas affected...Eastern NE...southwestern IA...and far northwestern MO

Concerning...Tornado Watch 215...

Valid 122300Z - 130030Z

The severe weather threat for Tornado Watch 215 continues.

SUMMARY...The supercell tornado threat is spreading northeastward and likely peaking during the next hour or so across Tornado Watch 215.

DISCUSSION...A broken band of semi-discrete, tornadic supercells is spreading northeastward from eastern NE into southwestern IA and far northwestern MO this evening. One longer-lived supercell in particular over Dodge County, NE has shown recent intensification (near 70-kt VROT) and deep TDS (likely a strong to intense tornado). Backed surface winds beneath strengthening/veering flow aloft is resulting in a favorably curved low-level hodograph (around 230 m2/s2 0-1 km SRH per OAX VWP) ahead of the ongoing supercells. And, earlier diurnal heating/destabilization of a moist/sheltered airmass (upper 60s to lower/middle 70s dewpoints) will continue to support moderately unstable surface-based inflow. Therefore, the supercell tornado risk should continue spreading northeastward across Tornado Watch 215 this evening.

..Weinman.. 05/12/2023

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

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