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City, St

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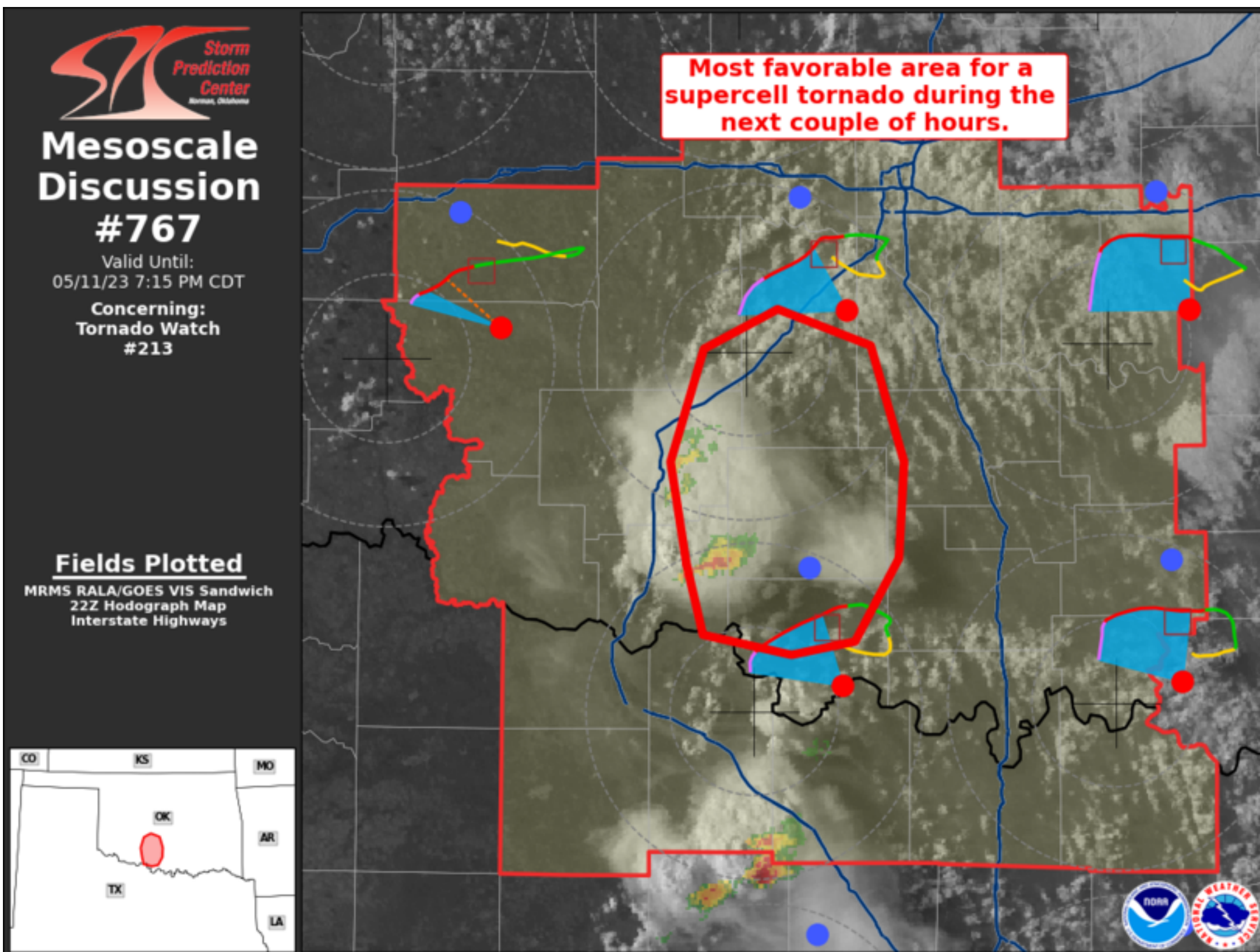
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Mesoscale Discussion 767

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Mesoscale Discussion 0767
NWS Storm Prediction Center Norman OK
0542 PM CDT Thu May 11 2023

Areas affected...Parts of south-central Oklahoma

Concerning...Tornado Watch [213](#)...

Valid 112242Z - 120015Z

The severe weather threat for Tornado Watch 213 continues.

SUMMARY...The greatest near-term supercell tornado threat should be focused over portions of south-central Oklahoma between I-44 and I-35 during the next couple of hours.

DISCUSSION...Latest radar data from KFDR shows an evolving discrete supercell in Cotton County, OK -- where surface convergence is maximized along the intersection of a remnant outflow boundary and differential heating boundary. Additional discrete updrafts are also developing northward along the boundary into Comanche County. Ahead of this activity, visible satellite imagery shows billow clouds transitioning to HCRs, indicative of recovering outflow-modified air. Continued recovery/destabilization amid lower 70s dewpoints should favor continued intensification of the ongoing updrafts during the next couple of hours -- and weak large-scale ascent should favor a continued discrete mode. During the next couple of hours, a strengthening nocturnal low-level jet should favor larger, clockwise-turning low-level hodographs (150-200 m2/s2 effective SRH) -- supportive of longer-lived mesocyclones and a corresponding increase in supercell tornado threat.

..Weinman.. 05/11/2023

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

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