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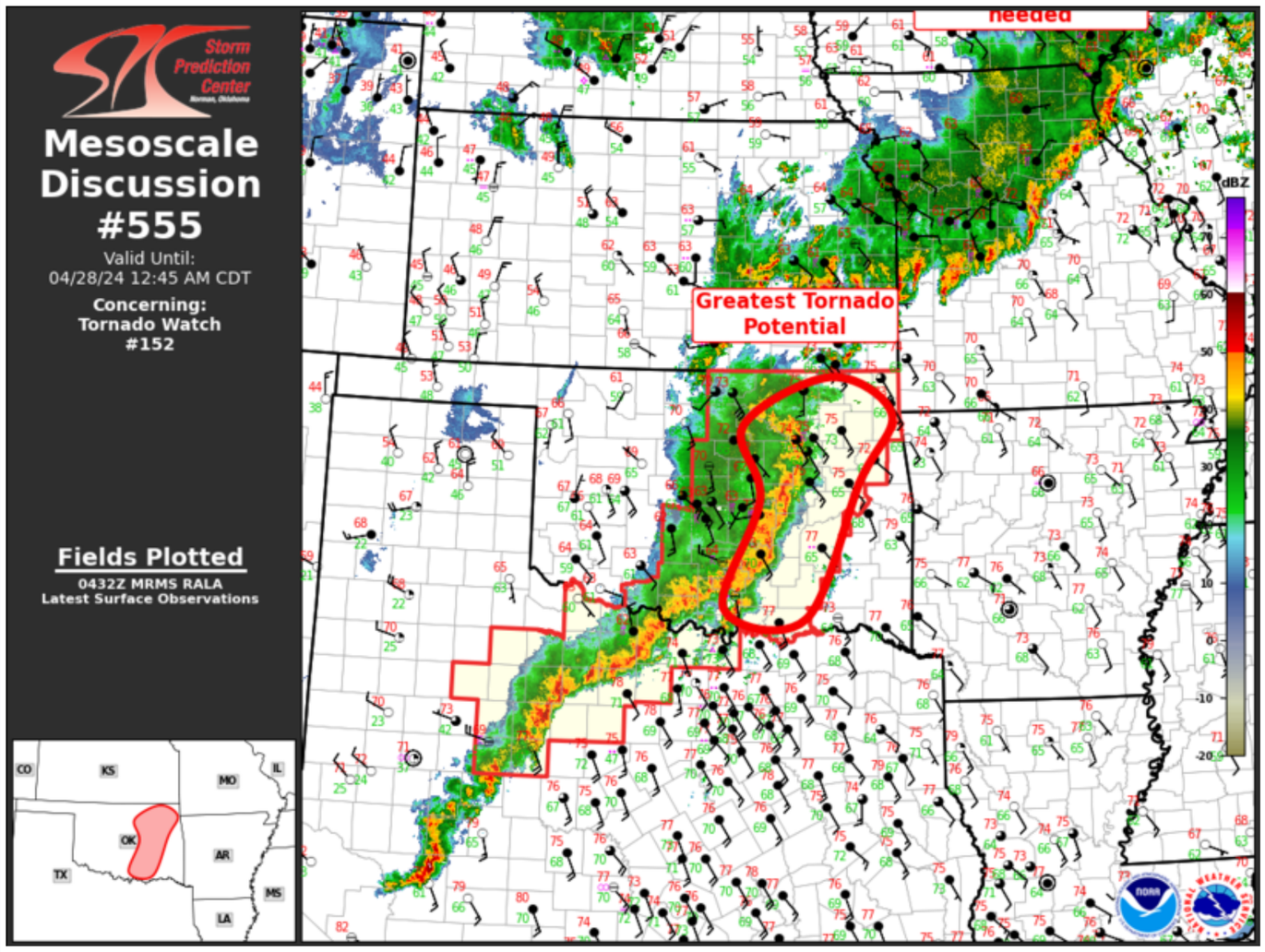

Mesoscale Discussion 0555
NWS Storm Prediction Center Norman OK
1133 PM CDT Sat Apr 27 2024

Areas affected...Eastern Oklahoma

Concerning...Tornado Watch 152...

Valid 280433Z - 280545Z

CORRECTED FOR AREA OUTLINE

The severe weather threat for Tornado Watch 152 continues.

SUMMARY...Tornado potential is greatest across eastern Oklahoma.

DISCUSSION...Influence of mid-level speed max appears to be affecting convection over central/southern Oklahoma. Low-level SRH has increased markedly across eastern OK this evening as LLJ is focused into this region of the southern Plains. 0-1 SRH values are currently around 600 m2/s2 at INX, and weak inhibition that was observed on 00z OUN sounding is now negligible.

Late-afternoon convection that evolved over northwest TX/southwest OK has grown upscale and progressed downstream. Leading edge of well-defined MCS now arcs from near Payne-Okfuskee-Garvin County. While embedded circulations are noted along this line, especially the northern portions, of more concern are the discrete supercells that have developed ahead of the MCS. Several notable, long-lived supercells have evolved from south-central OK into Hughes County. Tornado potential appears significant with these discrete pre-MCS updrafts. As these updrafts are overtaken by the MCS a more complex MCS will ultimately evolve within the larger warm advection corridor. A few strong tornadoes are likely with this activity.

..Darrow.. 04/28/2024

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

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