

Storm Prediction Center



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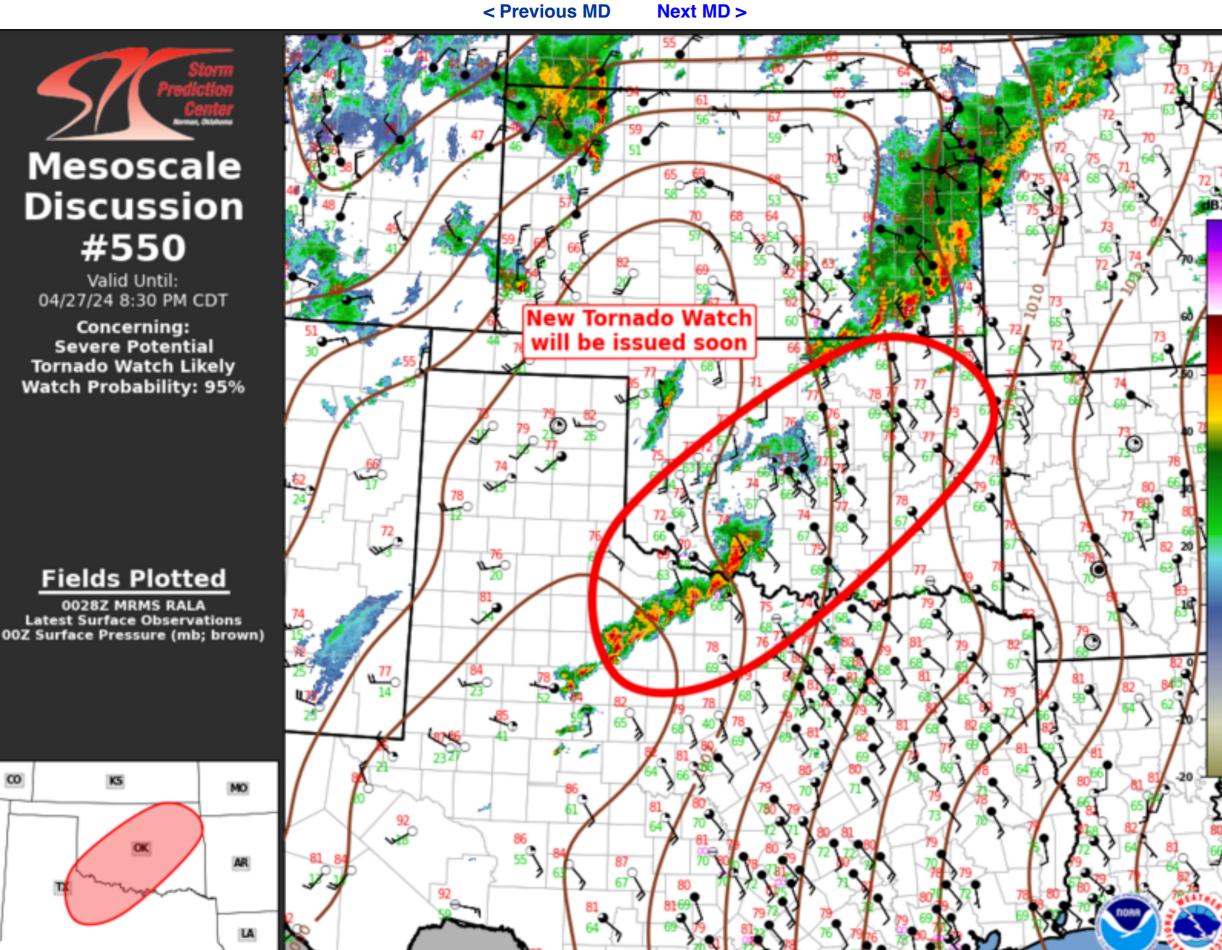
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Mesoscale Discussion 550

Organization

News



Mesoscale Discussion 0550 NWS Storm Prediction Center Norman OK 0730 PM CDT Sat Apr 27 2024

Areas affected...Southern Plains

Concerning...Severe potential...Tornado Watch likely

Valid 280030Z - 280130Z

Probability of Watch Issuance...95 percent

SUMMARY...Tornado watch will be issued soon across the southern Plains from northwest TX across much of OK.

DISCUSSION...Leading edge of large-scale ascent is spreading across the southern high Plains early this evening. Agitated boundary-layer cu field is deepening along the dryline over TX, indicative of the approaching trough. Convection is expected to increase in areal coverage into the southwest flank of ongoing southwest-northeast MCS, then gradually shift east. 00z sounding from OUN exhibited very strong shear (400m2/s2 0-3km SRH) with MLCAPE around 2300 J/kg, though slightly capped. Supercells and thunderstorm clusters are expected to continue, and increase in areal coverage later this evening as the trough shifts east. New tornado watch is warranted.

..Darrow/Smith.. 04/28/2024

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

ATTN...WFO...TSA...FWD...OUN...SJT...LUB...AMA...

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