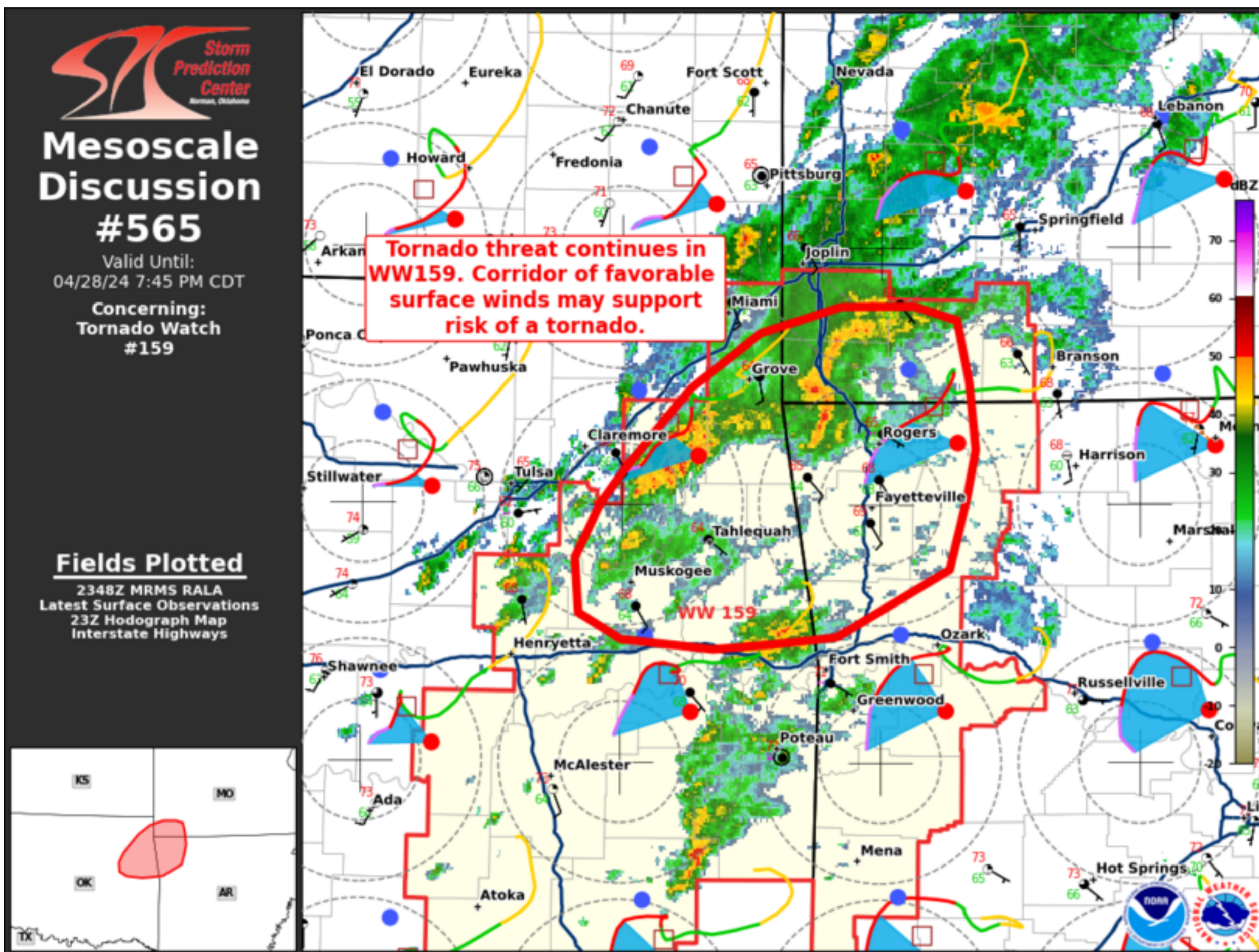




Local forecast by "City, St" or "ZIP"
City, St

Mesoscale Discussion 565

[< Previous MD](#) [Next MD >](#)



Mesoscale Discussion #565
Valid Until: 04/28/24 7:45 PM CDT
Concerning: Tornado Watch #159

Fields Plotted
2348Z MRMS RALA
Latest Surface Observations
23Z Hodograph Map
Interstate Highways

Mesoscale Discussion 0565
NWS Storm Prediction Center Norman OK
0650 PM CDT Sun Apr 28 2024

Areas affected...Northeast Oklahoma...Northwestern Arkansas...and Southwestern Missouri

Concerning...Tornado Watch [159](#)...

Valid 282350Z - 290045Z

The severe weather threat for Tornado Watch 159 continues.

SUMMARY...Tornado threat continues in [WW159](#). Corridor of more favorable surface winds may support risk of a tornado.

DISCUSSION...Recent surface observations indicate winds across northwestern Arkansas into southwestern Missouri are backing as convection approaches from the south and west. This southeasterly component has not handled well by recent RAP analysis data, which may indicate low-level shear is more favorable across this corridor than indicated in recent guidance. The VAD profile from KSRX (Fort Smith WSR-88D) shows around 250-300 m2/s2 0-1km SRH. This area may be a focused zone of potential for a tornado in the short term.

..Thornton/Smith.. 04/28/2024

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

ATTN...WFO...SGF...TSA...

LAT...LON 35799375 35519434 35489468 35479497 35509544 35619566
35859568 36089554 36249541 36569509 36789472 36899431
36909392 36839371 36579365 36309362 36089367 35799375

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