

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

City, St



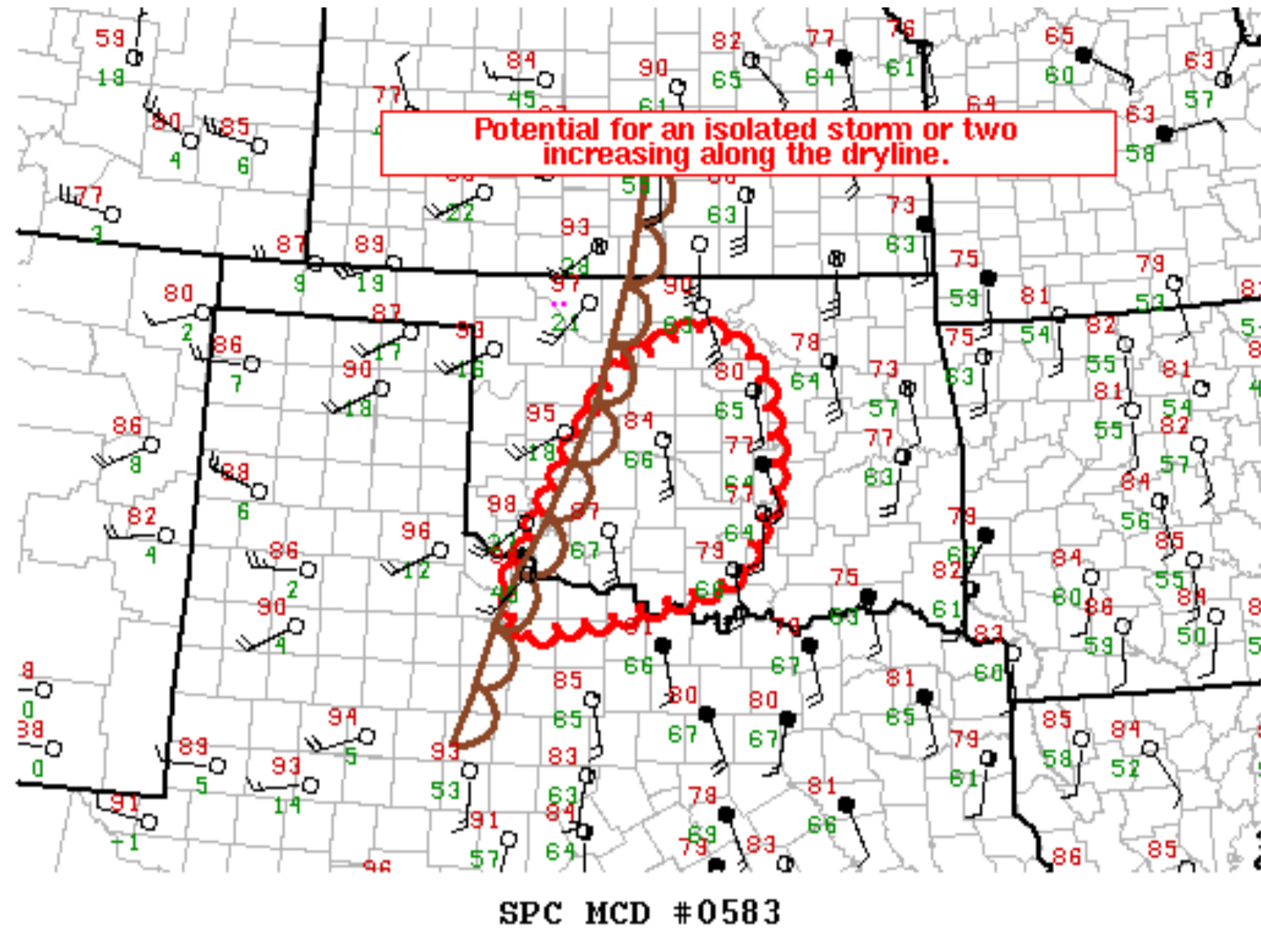
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Mesoscale Discussion 583

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Mesoscale Discussion 0583
 NWS Storm Prediction Center Norman OK
 0446 PM CDT Fri Apr 29 2022

Areas affected...Parts of western/central Oklahoma and northwest Texas

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

Valid 292146Z - 292245Z

Probability of Watch Issuance...95 percent

SUMMARY...There is increasing confidence in a storm or two initiating along the dryline in western Oklahoma. Very large hail and tornadoes will be possible. A tornado watch will likely be needed shortly.

DISCUSSION...Temperatures west of the dryline Oklahoma and northwest Texas have risen to the upper 90s F to around 100 F near Altus, OK. Visible satellite continues to show towering cumulus developing from near Frederick, OK to near Watonga, OK. Given the nearly stationary nature of the dryline and the low-level parcel trajectories, it seems that residence time in the dryline circulation should be sufficient for a storm or two to develop this afternoon. Effective shear vectors are orthogonal to the boundary at 40-50 kts. Storms should be discrete. The 21Z OUN sounding showed a near 9 C/km lapse rate in the mid-levels. Furthermore, the capping inversion has weakened slightly. Very large hail will be a possibility. As dewpoints have largely remained in the mid/upper 60s F and the low-level jet expected to increase in central Oklahoma this evening, tornadoes, perhaps strong, are also possible. A tornado watch will likely be needed shortly.

..Wendt/Edwards.. 04/29/2022

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

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