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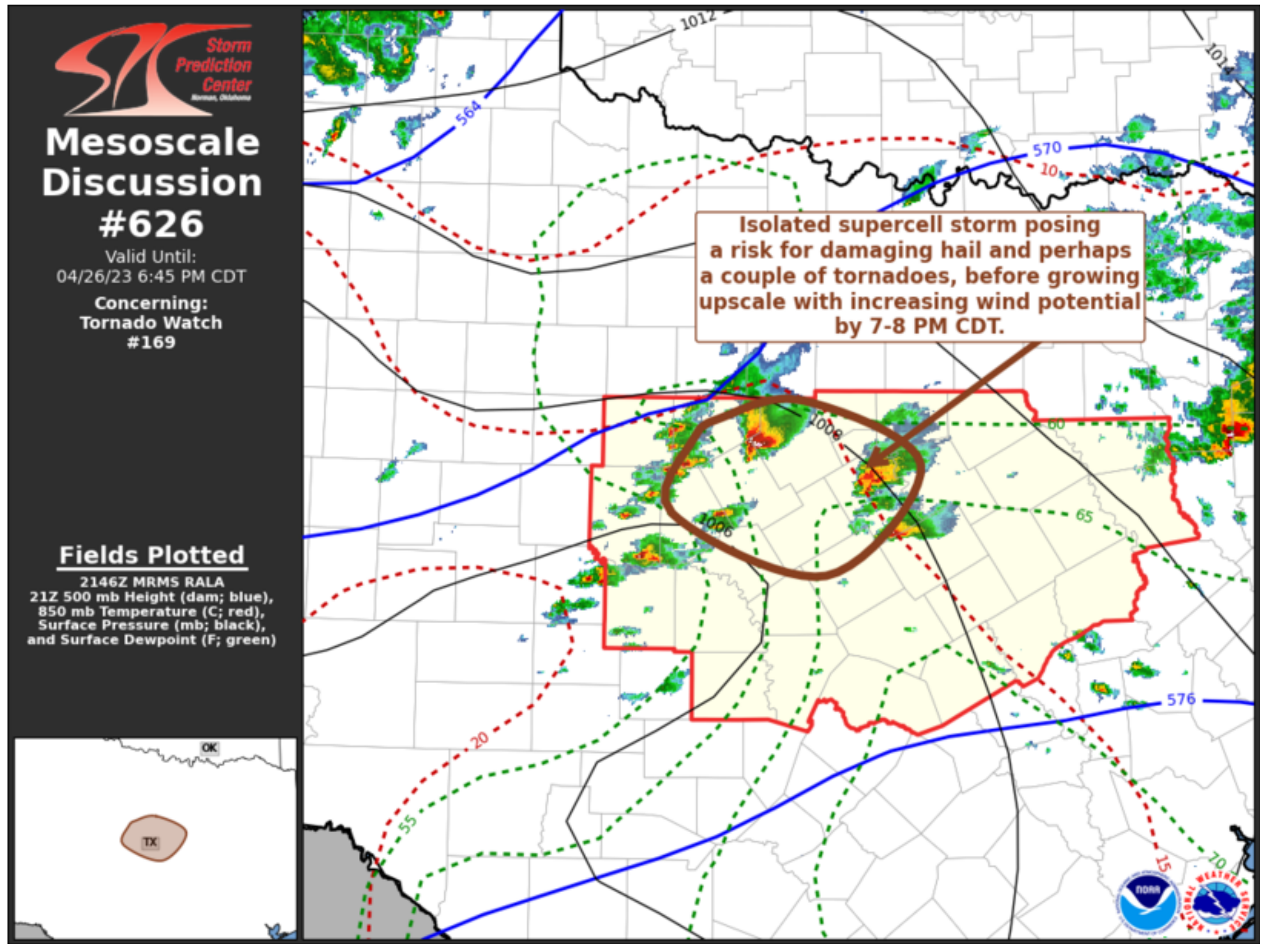
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## Mesoscale Discussion 626

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Mesoscale Discussion 0626  
 NWS Storm Prediction Center Norman OK  
 0448 PM CDT Wed Apr 26 2023

Areas affected...parts of north central Texas

Concerning...Tornado Watch 169...

Valid 262148Z - 262345Z

The severe weather threat for Tornado Watch 169 continues.

**SUMMARY...**An upscale growing, organizing cluster of storms seems increasingly probable near the Temple/Waco vicinities by 7-8 PM CDT. Until then though, a more discrete supercell storm or two will pose a risk for sizable, damaging hail and perhaps a couple of tornadoes near and southwest of the Dallas/Fort Worth Metroplex.

**DISCUSSION...**A focused area of low-level convergence and warm advection near the intersection of the dryline and warm front has become the focus for intense convective development. This includes one notable supercell to the west of Stephenville, which appears likely to be maintained by moderately strong east-southeasterly inflow of seasonably moist air, within a narrow corridor along the warm front. Based on latest objective analysis, this potential inflow air becomes characterized by increasingly large CAPE with east-southeastward extent along the front, near/just southwest of the Dallas/Fort Worth Metroplex, toward the Temple/Waco vicinities.

Models also suggest that forcing for ascent and deep-layer shear are being enhanced by a slowly propagating westerly mid-level jet streak (50+ kt around 500 mb). Although low-level flow and shear are relatively modest, in addition to a continuing risk for rather large hail, the environment along the warm front will probably be conducive to a risk for tornadoes, particularly as long as the main ongoing storm remains discrete. This may remain the case another hour or two, but an upscale growing cluster posing increasing potential for strong, damaging wind gusts appears increasing probable toward 00-01Z.

..Kerr.. 04/26/2023

...Please see [www.spc.noaa.gov](http://www.spc.noaa.gov) for graphic product...

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