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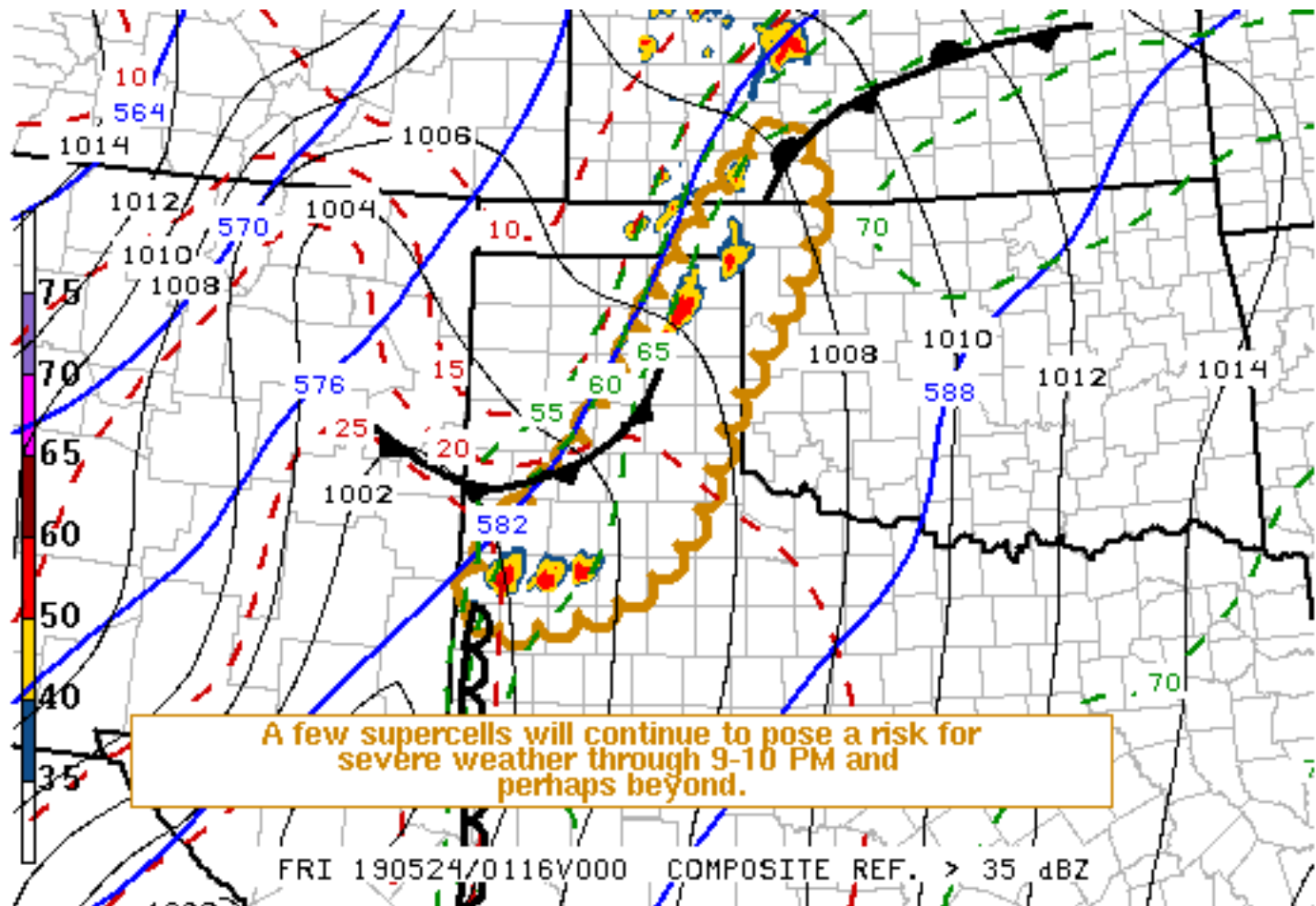
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## Mesoscale Discussion 763

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SPC MCD #0763

Mesoscale Discussion 0763

NWS Storm Prediction Center Norman OK

0832 PM CDT Thu May 23 2019

Areas affected...Parts of the Texas South Plains and Panhandle into southwest Kansas

Concerning...Tornado Watch [221](#)...

Valid 240132Z - 240300Z

The severe weather threat for Tornado Watch 221 continues.

SUMMARY...A few supercells with the risk for severe hail and another couple of tornadoes continues into the 9-10 PM CDT time frame. A new severe weather watch may be needed prior to the current 10 PM watch expiration time.

DISCUSSION...Focused low-level convergence and warm advection is maintaining intense thunderstorm development along the frontal zone across the northeastern Texas Panhandle. This is being supported by



strong inflow of seasonably moist air characterized by moderately large CAPE in excess of 2000 J/kg, in the presence of strong low-level and deep layer shear. This environment has been conducive to at least a couple of tornadic supercells, and may remain so at least into the 02-03Z time frame, before boundary layer instability begins to wane and upscale convective growth gradually continues.

Supercell development also continues to develop and propagate off the dryline to the west of Lubbock. Low-level shear is generally weaker across this area, but cells have probably been producing severe hail. Some increase in tornadic potential may still not be out of the question during the next few hours, particularly with the lead supercell as it propagates northeast of Lubbock, closer to the strengthening southerly 850 mb jet axis.

..Kerr.. 05/24/2019

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

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