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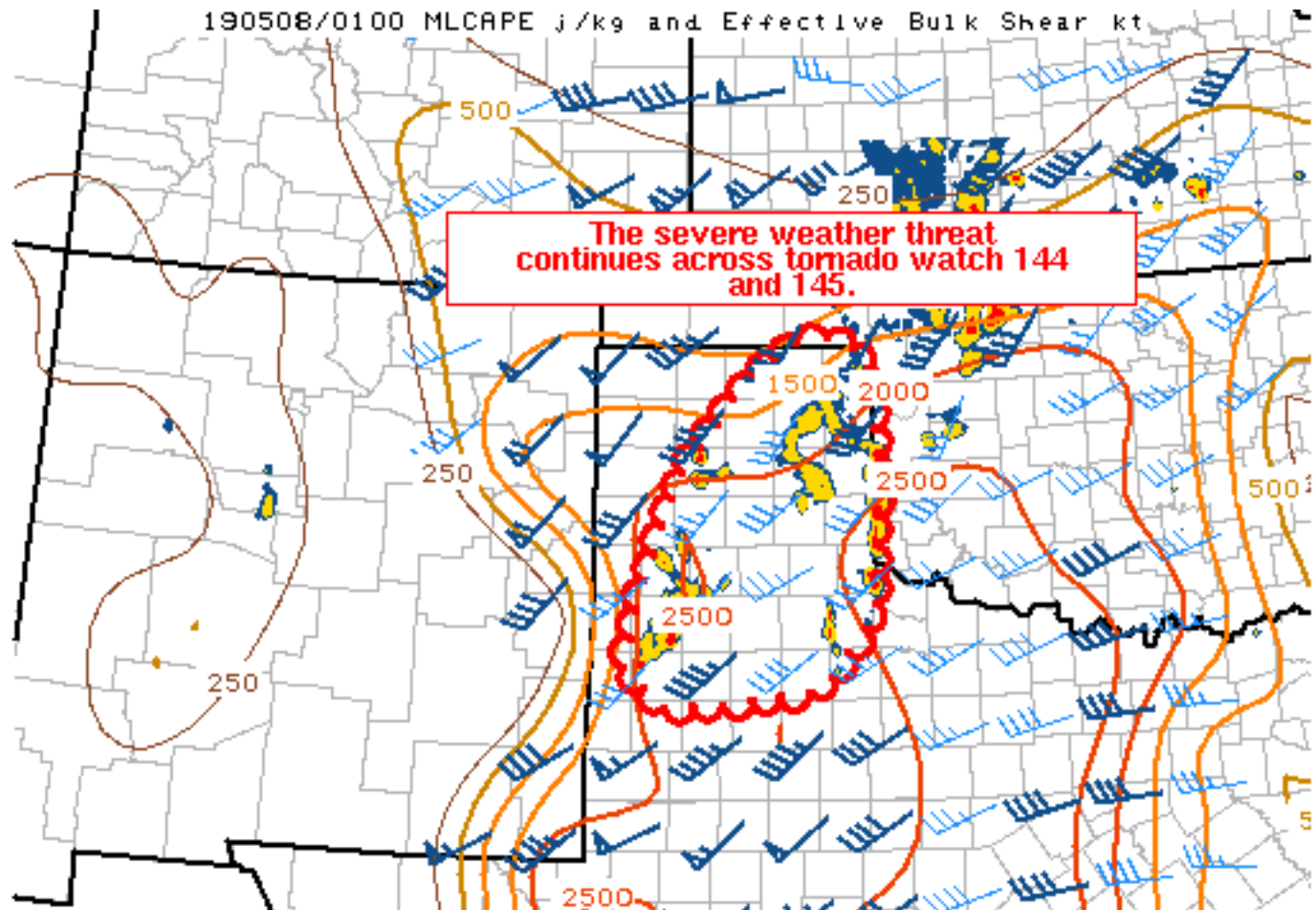
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Mesoscale Discussion 579

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Mesoscale Discussion 0579

NWS Storm Prediction Center Norman OK

0825 PM CDT Tue May 07 2019

Areas affected...The Texas Panhandle

Concerning...Tornado Watch 144...145...

Valid 080125Z - 080300Z

The severe weather threat for Tornado Watch 144, 145 continues.

SUMMARY...The severe weather threat continues across tornado watch 144 and 145 with a threat for large hail, damaging winds, and isolated tornadoes.

DISCUSSION...Convective coverage has increased significantly across the Texas Panhandle over the past hour as the low-level jet strengthens and deep layer ascent increases. This activity is likely to congeal into an MCS with an increasing severe wind threat, but it remains unclear how this will evolve. The last several runs of the



HRRR suggested that storms northwest of Lubbock would be the beginning of a bowing segment that would move northeastward, however, earlier storms have worked over this airmass somewhat already. Therefore, it remains unclear whether these storms will be able to organize with eastward extent.

Additionally, a line of storms have developed along the TX/OK border with additional development on the southern edge. This line of storms may also be the beginning of the forward propagating MCS.

Regardless of the exact evolution, increasing forcing for ascent in an unstable and moderately sheared environment will continue to support all severe weather hazards including large hail, damaging winds, and isolated tornadoes.

..Bentley.. 05/08/2019

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

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