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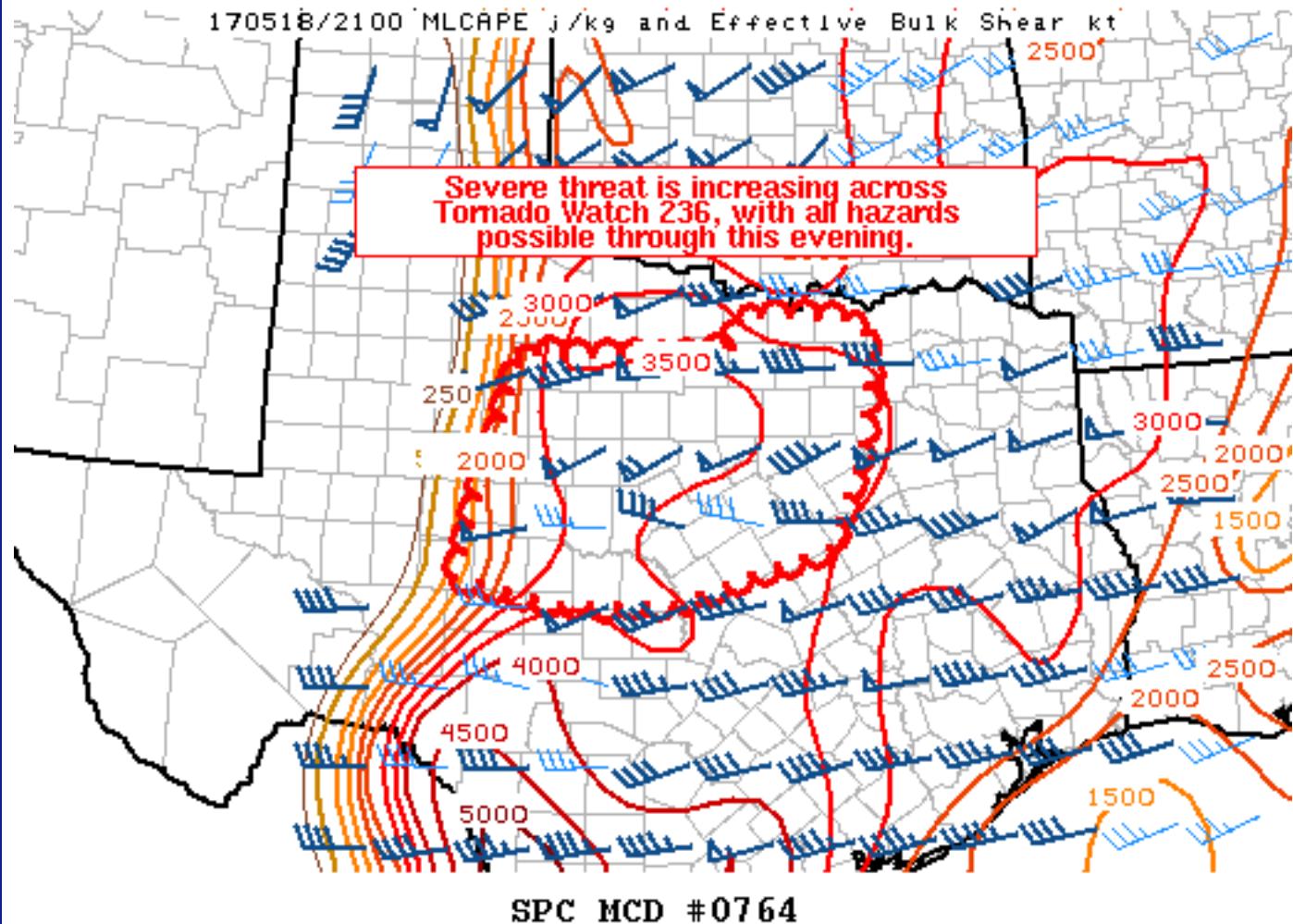
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## Mesoscale Discussion 764

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Mesoscale Discussion 0764  
NWS Storm Prediction Center Norman OK  
0455 PM CDT Thu May 18 2017

Areas affected...Portions of northern/central TX

Concerning...Tornado Watch [236](#)...

Valid 182155Z - 182330Z

The severe weather threat for Tornado Watch 236 continues.

SUMMARY...Severe threat is increasing across Tornado Watch 236, with all hazards possible through the evening.

DISCUSSION...Convection has recently initiated along and ahead of a surface dryline across central TX per latest radar/satellite trends. The atmosphere remains strongly unstable across the northern/central TX, with MLCAPE in excess of 3000 J/kg due to strong diurnal heating with surface temperatures in the upper 80s to lower 90s, dewpoints in the mid 60s to lower 70s, and steep mid-level lapse rates. 45-50

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kt of effective bulk shear will easily support supercells, with a very large hail threat. Backed southeasterly low-level winds veer/strengthen with height, and effective SRH is forecast to increase to 200-250 m2/s2 over the next several hours as a southerly low-level jet strengthens across the southern Plains this evening. This increase in low-level shear suggests the tornado threat should likewise increase through the evening. Thunderstorms may eventually attempt to grow upscale into one or more bowing line segments later this evening. If this occurs, then damaging winds would become the primary threat with eastward extent across Tornado Watch 236.

..Gleason.. 05/18/2017

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

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NOAA / National Weather Service  
National Centers for Environmental Prediction  
Storm Prediction Center  
120 David L. Boren Blvd.  
Norman, OK 73072 U.S.A.  
[spc.feedback@noaa.gov](mailto:spc.feedback@noaa.gov)  
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