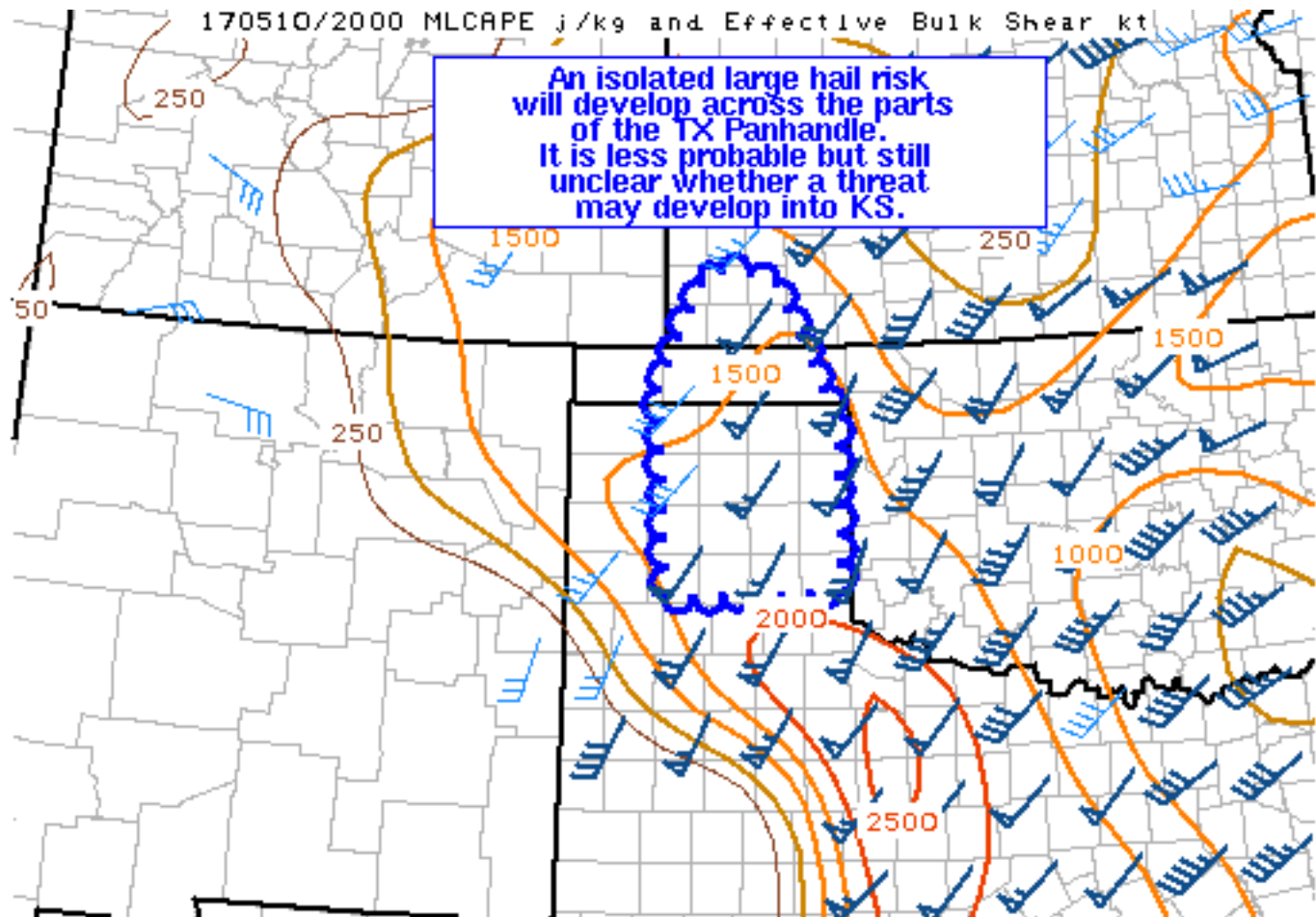


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Mesoscale Discussion 686

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SPC MCD #0686

Mesoscale Discussion 0686

NWS Storm Prediction Center Norman OK

0311 PM CDT Wed May 10 2017

Areas affected...most of the TX and OK Panhandles into southwest KS

Concerning...Severe potential...Watch possible

Valid 102011Z - 102145Z

Probability of Watch Issuance...60 percent

SUMMARY...An isolated large hail risk will develop across parts of the TX Panhandle. The severe risk is likely lower farther north across the OK Panhandle into southwest KS but considerable uncertainty remains.

DISCUSSION...Radar mosaic shows intensifying thunderstorms across the southern portion of the TX Panhandle to near the greater Amarillo vicinity. This developing activity is likely in response to a destabilizing boundary layer, the reduction of convective

inhibition, and large-scale ascent spreading across northwest TX and the TX Panhandle this afternoon in association with a mid-level vorticity lobe through northwest TX.

Strong deep-layer shear strongly supportive of updraft organization (supercells) and moderate buoyancy will favor large hail growth with the stronger/sustained updrafts across the TX Panhandle this afternoon into the early evening. Localized severe gusts are possible in the vicinity of the storms. Weaker buoyancy is implied farther north by both mid-afternoon objective analysis and forecast soundings owing to the influence of the early-day MCS across TX-OK-KS. Nevertheless, destabilization and the aforementioned lobe of ascent may foster the development of isolated severe thunderstorms capable primarily of a hail risk perhaps this evening.

..Smith/Guyer.. 05/10/2017

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

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