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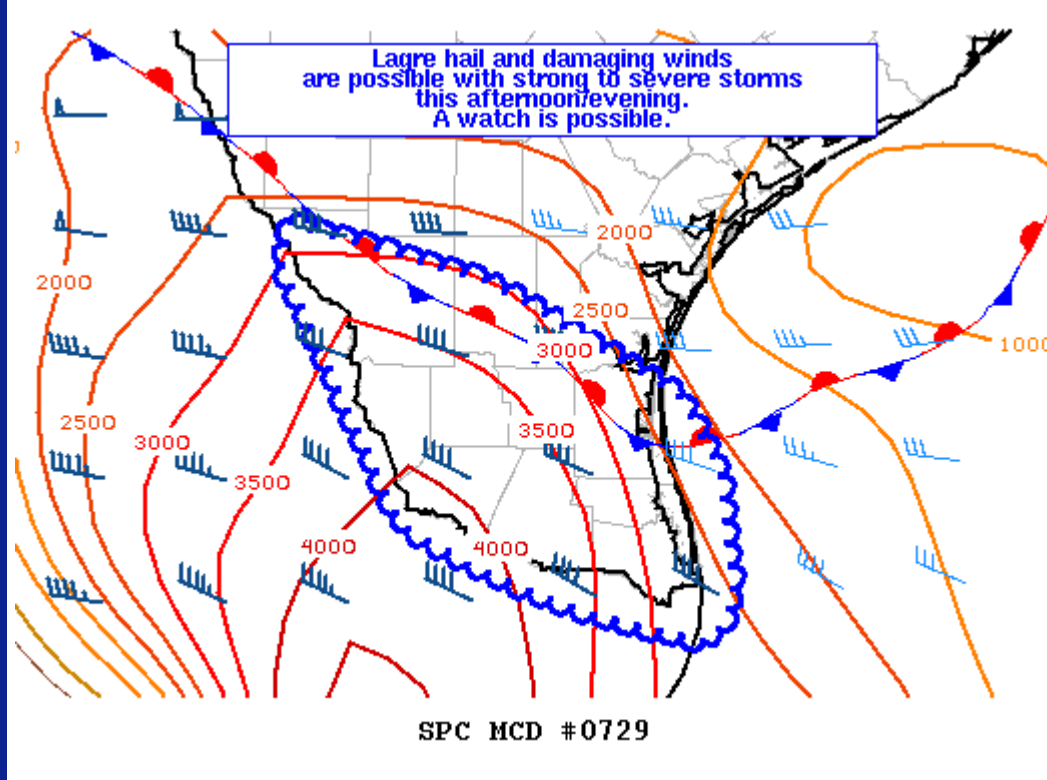
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Mesoscale Discussion 729

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SPC MCD #0729

Mesoscale Discussion 0729
NWS Storm Prediction Center Norman OK
0504 PM CDT Mon May 25 2020

Areas affected...far south Texas

Concerning...Severe potential...Watch possible

Valid 252204Z - 260000Z

Probability of Watch Issuance...40 percent

SUMMARY...A threat for large hail and strong winds is possible with storms developing along a stationary front/outflow boundary in far south Texas. Uncertainty remains on the initial storm coverage, but severe probs will likely increase later this evening. A weather watch may be needed.

DISCUSSION...Afternoon water vapor imagery shows a mid-level shortwave trough emerging from the Mexican Plateau over southwest Texas. At the surface, a pseudo stationary front/modified outflow boundary has penetrated into far south Texas. 21z SPC analysis indicates that a warm and moist environment is present south of this boundary, with temperatures and dewpoints in the 80s-90s and low to mid 70s F respectively. This is supporting moderate to extreme instability, with MLCAPE of 2500-4000 J/kg. Mid-level flow ahead of the shortwave trough should support 30-40 kt of effective shear. Organized multicells and some supercells with the potential for large hail and strong winds will be the primary short-term threats.

There is considerable uncertainty on the coverage of the initial convection across the area this afternoon. Hi-res guidance suggests that a more substantial threat for severe weather may develop later in the evening ahead of an upscale growing MCS from convection developing across northern Mexico. A severe weather watch is possible in the short term, but may be more likely in a few hours.

..Lyons/Guyer.. 05/25/2020

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

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