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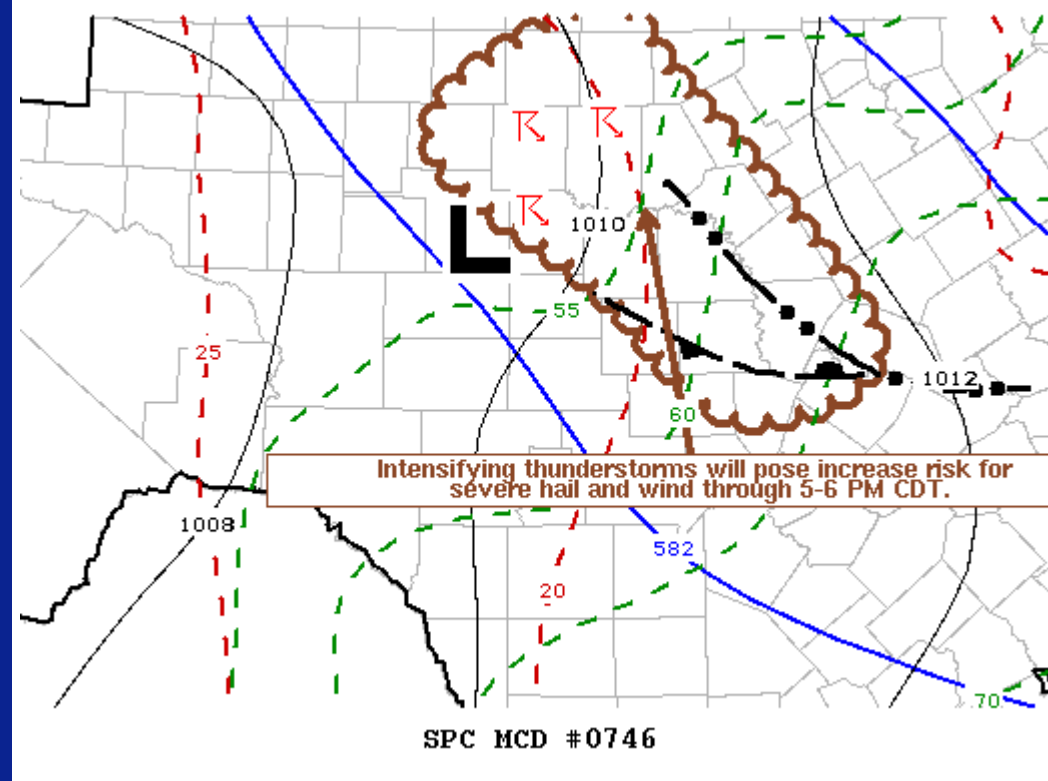
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Mesoscale Discussion 746

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SPC MCD #0746

Mesoscale Discussion 0746
 NWS Storm Prediction Center Norman OK
 0340 PM CDT Wed May 27 2020

Areas affected...Parts of west central Texas

Concerning...Severe Thunderstorm Watch 231...

Valid 272040Z - 272215Z

The severe weather threat for Severe Thunderstorm Watch 231 continues.

SUMMARY...Intensifying storms will pose increasing risk for severe hail and wind while spreading southeastward across the region through 5-6 PM CDT.

DISCUSSION...Discrete vigorous thunderstorm development is well underway across the Abilene and San Angelo area, where 2-hourly surface pressure falls (around 2 mb) and low-level convergence has become focused near a developing thermal low. This is also along the western flank of a remnant surface front, which is being reinforced by convective outflow farther east, north of Austin.

The boundary-layer along/southwest of these boundaries has become deeply mixed, but with sufficient moisture to support CAPE of 1000-2000 J/kg in the presence of steep lapse rates. Aided by strong deep-layer shear, one or two storms may intensify into more substantive supercells during the next hour or two, posing increasing risk for large hail, and locally strong downburst winds.

Into the 22-23Z time frame, forcing for ascent associated with low/mid-level warm advection and consolidating surface cold pools may begin to contribute to upscale growth and the evolution of an organizing convective system. This is expected to tend to propagate along and southwest of the surface boundaries, toward the Hill Country, accompanied by increasing potential for strong surface gusts

..Kerr.. 05/27/2020

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

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