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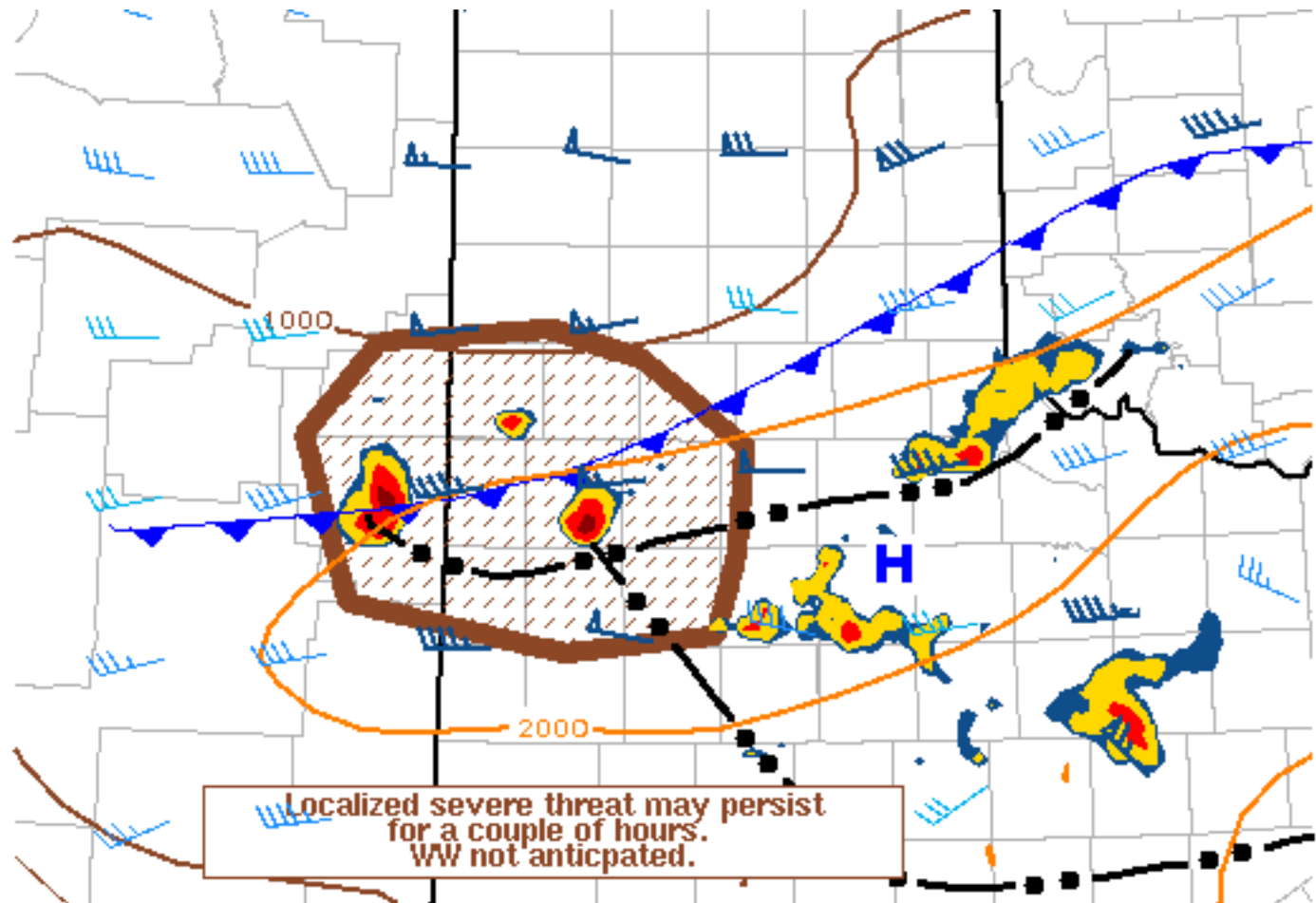
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Mesoscale Discussion 1206

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SPC MCD #1206

Mesoscale Discussion 1206

NWS Storm Prediction Center Norman OK

1158 PM CDT Fri Jun 30 2017

Areas affected...East-central New Mexico and west Texas

Concerning...Severe potential...Watch unlikely

Valid 010458Z - 010630Z

Probability of Watch Issuance...20 percent

SUMMARY...Thunderstorms will persist for at least the next couple of hours. Large hail and strong thunderstorm winds may be possible. The relatively small area and duration should preclude the need for a watch.

DISCUSSION...A lone thunderstorm has moved out of the higher terrain of New Mexico into the east New Mexico plains. This thunderstorm continues to indicate the potential for large hail, and recent radar trends have suggested an increase in the potential for strong

thunderstorm winds. This threat should continue to persist as the thunderstorm continues to move southeast.

To the east of this cell, new thunderstorms have developed across portions of the southwest Texas Panhandle. These thunderstorms all developing within an environment characterized by steep mid-level-lapse rates and surface dewpoint temperatures in the mid-to-upper 50s. This has resulted in most-unstable CAPE values up to around 2000 J/kg. Deep-layer shear values remain sufficient for thunderstorm organization, although shear drops off quickly farther south.

The environment in both of these areas will support severe thunderstorm potential for the next couple of hours. However, the thunderstorms should eventually move far enough east that they will move into a more hostile environment -- one that has been worked over by earlier convection. Recent surface observations indicate strong surface-pressure rises and a cooler, more stable airmass to the southeast of the aforementioned thunderstorm areas as outflow from thunderstorms farther east pushes west. Additionally, the synoptic cold front is slowly moving south across the southern High Plains, limiting the potential for any left splits to persist for any long duration as they move northward.

Given this limited spatio-temporal environment conducive for development/maintenance of severe thunderstorms, a watch is currently not expected. However, isolated large hail and strong thunderstorm winds will remain possible for the next couple of hours.

..Marsh/Weiss.. 07/01/2017

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

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