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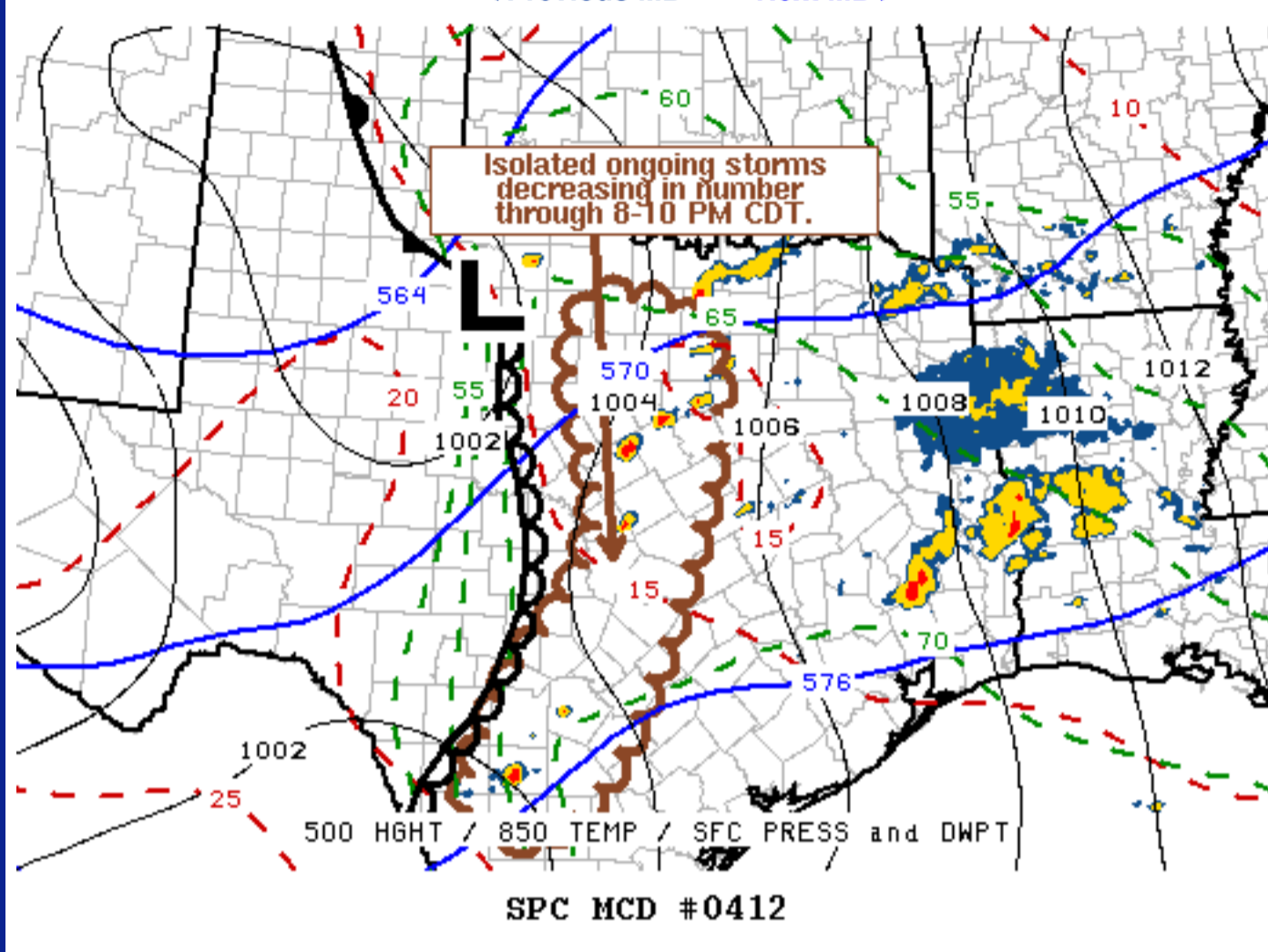
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Mesoscale Discussion 412

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SPC MCD #0412

Mesoscale Discussion 0412

NWS Storm Prediction Center Norman OK

0646 PM CDT Fri Apr 23 2021

Areas affected...Areas near/west of I-35 corridor of central Texas

Concerning...Severe Thunderstorm Watch 98...

Valid 232346Z - 240115Z

The severe weather threat for Severe Thunderstorm Watch 98 continues.

SUMMARY...The potential for severe hail and wind is expected to become more isolated with a decrease in storm coverage through 8-10 PM CDT. It is possible that parts of remaining valid portions of Severe Thunderstorm Watch 98 could be replaced with a new severe weather watch, but this is not certain.

DISCUSSION...Widely scattered strong to severe thunderstorm development is ongoing west of the Interstate 35 corridor. This activity initiated near the dryline, but moderate to strong southwesterly deep-layer mean flow is aiding eastward advection ahead of the eastward advancing surface boundary. North of the San Antonio area, this is tending to spread into an environment stabilized by prior convection. With the onset of boundary-layer cooling along the dryline, inhibition beneath relatively warm mid-level layers probably will begin to reduce convective coverage in the absence of stronger deep-layer forcing for ascent.

The isolated cell south-southwest of San Antonio is developing into locally moderate to strong instability characterized by CAPE up to 3000 J/kg. This activity might be slower to diminish, perhaps aided by forcing associated with a subtropical jet speed maximum.

Otherwise, lift north/northeast of the weak triple-point low may become a focus for a consolidating cluster of storms, near/south of the Red River, to the northwest/north of the Dallas-Fort Worth Metroplex through 01-03Z.

..Kerr.. 04/23/2021

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

ATTN...WFO...FWD...CRP...EWX...SJT...

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