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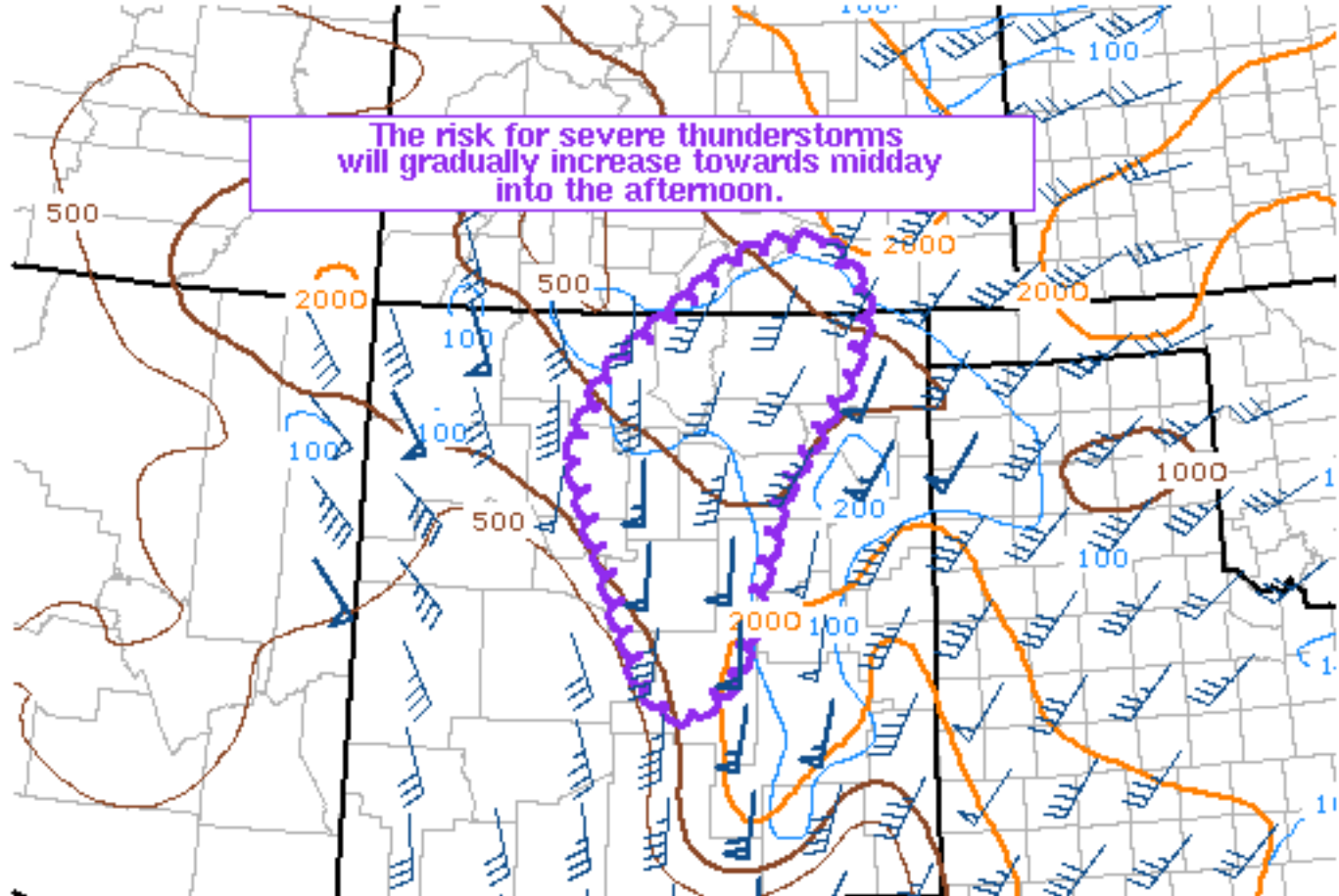
SPC Feedback

Mesoscale Discussion 669

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170509/2000V006 MUCAPE(warm), SRH(cool), Effective Bulk Shear (blue)



SPC MCD #0669

Mesoscale Discussion 0669

NWS Storm Prediction Center Norman OK

1055 AM CDT Tue May 09 2017

Areas affected...central and north-central NM into parts of
southeast CO

Concerning...Severe potential...Watch possible

Valid 091555Z - 091830Z

Probability of Watch Issuance...60 percent

SUMMARY...The risk for severe thunderstorms will gradually increase towards midday into the afternoon. The initial risk will likely be marginally severe hail. A tornado threat may develop later this afternoon across mainly NM associated with a more unstable boundary layer.

DISCUSSION...Visible satellite/radar mosaic imagery this morning show an agitated cumulus field/developing thunderstorms from near

the north side of the Sacramento mountains north towards Santa Fe and near the I-25 corridor in north-central NM and southern parts of CO. Despite the presence of low clouds, mixing and cloud breaks are resulting in surface temperatures warming into the middle 60s near I-40 with cooler temperatures in the higher elevations.

The mid-level low over the Sonoran Desert will aid in maintaining east-southeasterly flow/moist fetch into the region. Veering and strengthening winds with height will support rotation with the stronger updrafts once they develop. Due to very weak convective inhibition/low LFC heights, the expectation is for increasing storm coverage through the midday and early afternoon. Once storms mature, a marginally severe hail risk will probably develop with the stronger cores. The risk for isolated severe gusts will increase once 0-2 km lapse rates steepen. The overall threat for severe will likely extend into the late afternoon/evening as increasing ascent associated with the mid-level low overspreads the southern Rockies and Eastern Plains. It seems the risk for more vigorous supercells will maximize later today and a tornado threat will probably accompany the strongest low-level mesocyclones within a moist/increasing SRH environment this evening for primarily portions of east-central and southeast NM.

..Smith/Hart.. 05/09/2017

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

ATTN...WFO...PUB...ABQ...

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