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Mesoscale Discussion 1020

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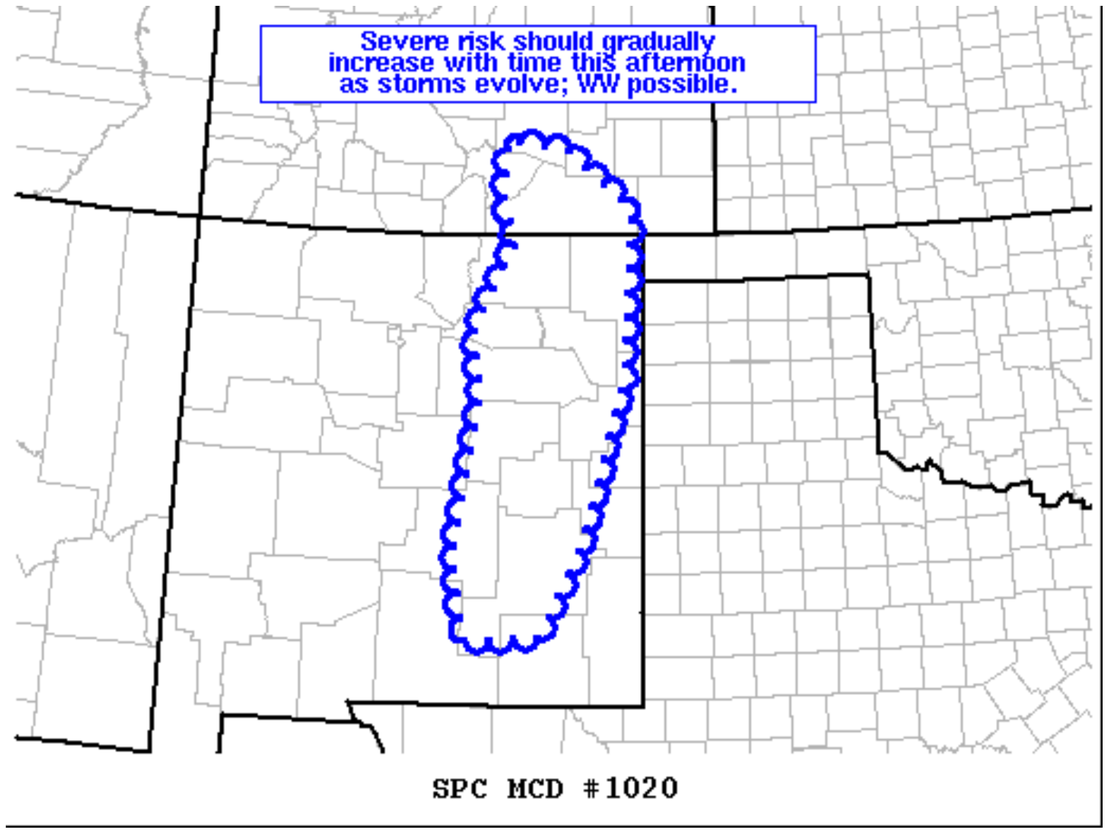

SPC MCD #1020

Mesoscale Discussion 1020
NWS Storm Prediction Center Norman OK
0202 PM CDT Fri Jun 03 2022

Areas affected...southeastern Colorado and eastern New Mexico

Concerning...Severe potential...Watch possible

Valid 031902Z - 032100Z

Probability of Watch Issuance...40 percent

SUMMARY...Severe-weather risk will gradually increase this afternoon as storms move off the higher terrain. WW may be required.

DISCUSSION...Visible satellite and radar loops show storms developing over the high terrain of Sangre de Cristo range of southeastern Colorado, and southward across eastern New Mexico to the Sacramentos. Daytime heating of the modestly moist (50s dewpoints) boundary layer has led to moderate destabilization, with 1500 J/kg mixed-layer CAPE now the mean across this area. Additional destabilization will support continued initiation/intensification of storms over the next several hours.

Along with ample CAPE, low-level southeasterly flow present across the region is indicated beneath moderate (around 40 kt) mid-level westerlies. Resulting cloud-layer shear is sufficient to support organized/rotating storms, and attendant risk for large hail with stronger storms. Additionally, with some evaporative downdraft enhancement possible due to the deepening mixed layer through peak heating, locally gusty/damaging winds will also be possible. We will continue to monitor convective evolution, with an eye toward possible WW issuance.

..Goss/Guyer.. 06/03/2022

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

ATTN...WFO...MAF...PUB...ABQ...EPZ...

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