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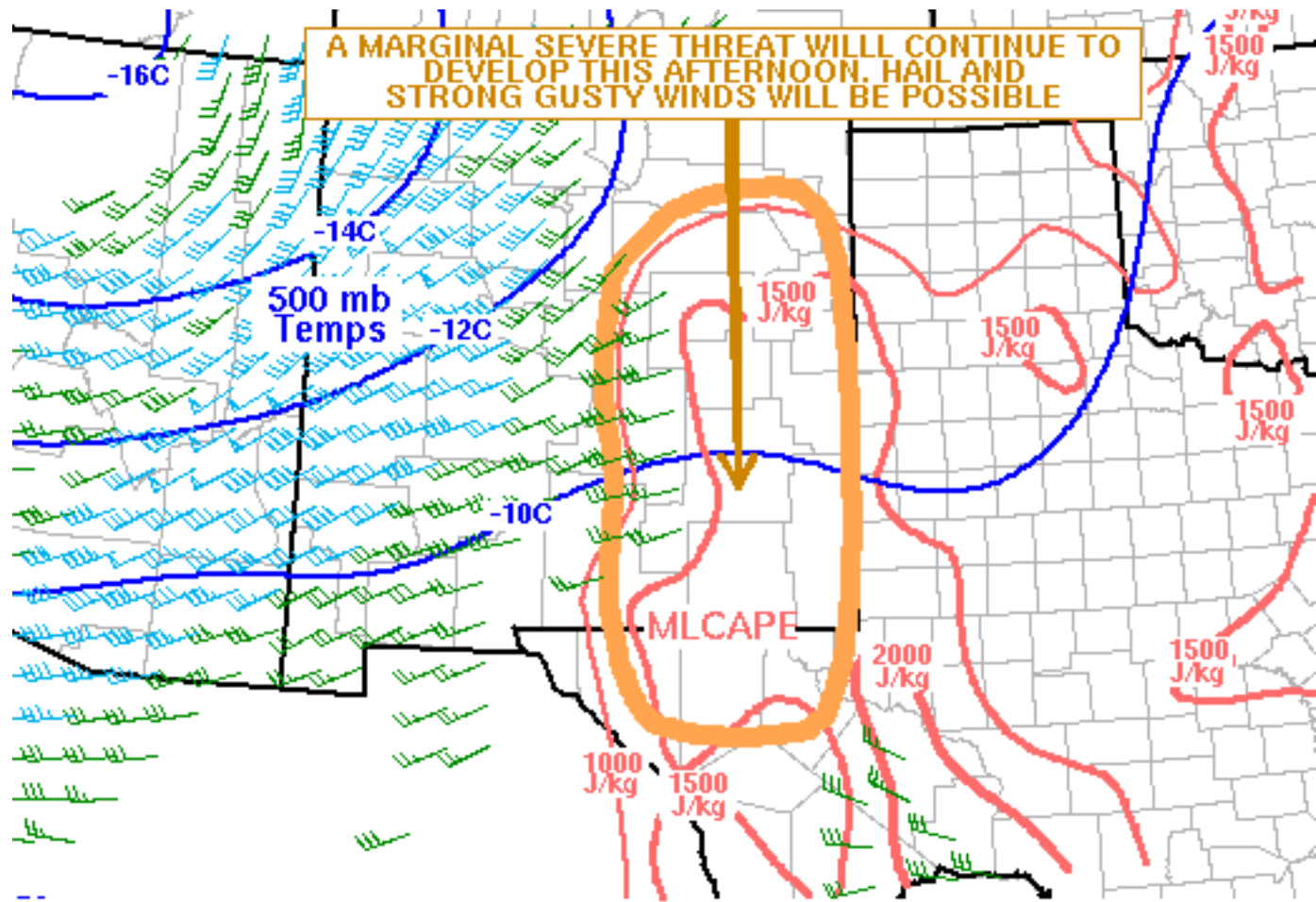
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Mesoscale Discussion 492

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SPC MCD #0492

Mesoscale Discussion 0492
 NWS Storm Prediction Center Norman OK
 0256 PM CDT Tue May 22 2018

Areas affected...Eastern New Mexico...Far West Texas

Concerning...Severe potential...Watch unlikely

Valid 221956Z - 222230Z

Probability of Watch Issuance...20 percent

SUMMARY...A marginal severe threat will continue to develop across eastern New Mexico and into far west Texas this afternoon. Hail and strong gusty winds will be possible but weather watch appears unlikely.

DISCUSSION...The latest surface analysis shows south to southeasterly flow across southeast New Mexico. A corridor of enhanced low-level convergence is present near the Sacramento Mountains in south-central New Mexico. Surface dewpoints to the east

of this area are in the lower 60s F and the RAP is analyzing moderate instability with MLCAPE in the 1500 to 2000 J/Kg range. In addition, forecast soundings late this afternoon near Alamogordo, NM show 0-6 km shear around 30 kt with some directional shear in the lowest 2 km AGL. This along with steep low-level lapse rates could be enough for a marginal wind damage threat. Hail will also be possible within the better-developed cores.

..Broyles/Weiss.. 05/22/2018

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

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