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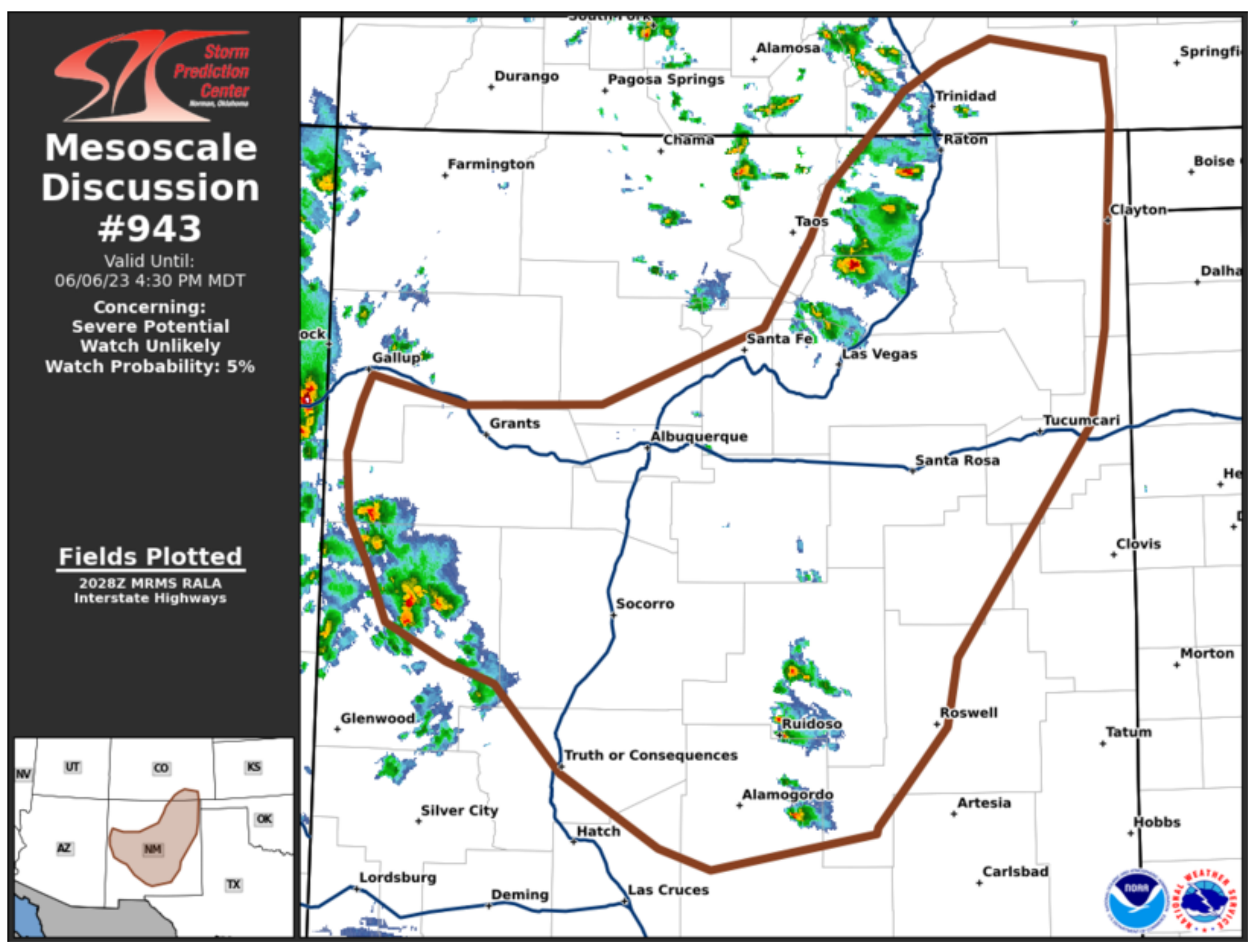
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Mesoscale Discussion 943

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Mesoscale Discussion 0943
 NWS Storm Prediction Center Norman OK
 0331 PM CDT Tue Jun 06 2023

Areas affected...portions of central and northern New Mexico...far southeastern Colorado

Concerning...Severe potential...Watch unlikely

Valid 062031Z - 062230Z

Probability of Watch Issuance...5 percent

SUMMARY...Thunderstorms capable of hail and gusty winds possible through the afternoon.

DISCUSSION...Thunderstorm development has been ongoing across portions of far eastern Arizona and New Mexico. A few of these storms have produced nickel to quarter size hail across eastern Arizona and northeastern New Mexico. Surface objective analysis indicates daytime heating yielding around 500-1500 J/kg MLCAPE atop steep lapse rates through the profile. Increasing southerly flow from a mid-level jet max across Arizona has led to around 20 kts of shear, which is largely speed shear as winds are uniform in direction with height. This environment will favor multi-cell clusters, a few of which may produce instances of severe hail and gusty winds. Weak shear for organization is expected to keep coverage of this threat too localized to warrant watch issuance.

..Thornton/Grms.. 06/06/2023

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

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

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