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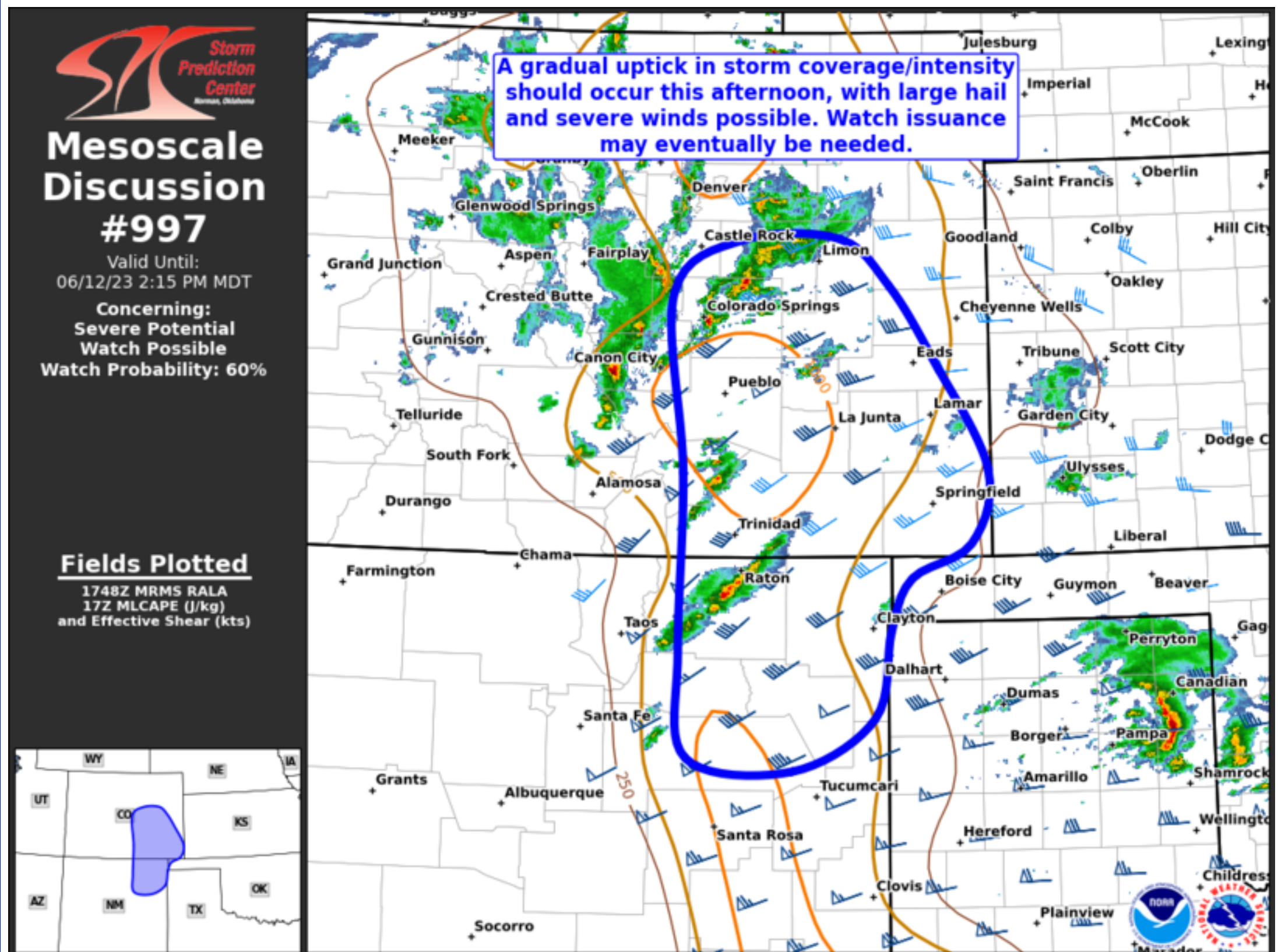
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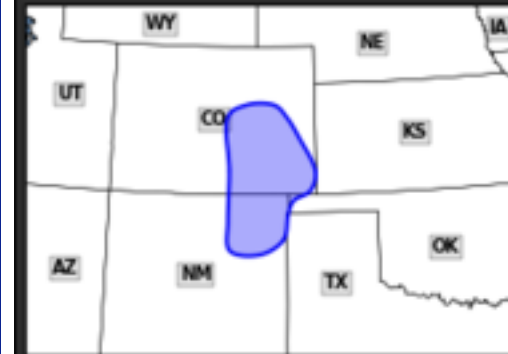
## Mesoscale Discussion 997

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**Mesoscale Discussion #997**  
 Valid Until: 06/12/23 2:15 PM MDT  
**Concerning:**  
 Severe Potential  
 Watch Possible  
 Watch Probability: 60%

**Fields Plotted**  
 1748Z MRMS RALA  
 17Z MLCAPE (J/kg)  
 and Effective Shear (kts)



Mesoscale Discussion 0997  
 NWS Storm Prediction Center Norman OK  
 1250 PM CDT Mon Jun 12 2023

Areas affected...Portions of eastern CO into northeastern NM

Concerning...Severe potential...Watch possible

Valid 121750Z - 122015Z

Probability of Watch Issuance...60 percent

**SUMMARY...**A gradual uptick in thunderstorm coverage/intensity should occur this afternoon, with large hail and severe winds possible. Watch issuance may eventually be needed.

**DISCUSSION...**Modest low-level upslope flow continues across the eastern CO and northeastern NM, with isolated to scattered thunderstorms ongoing. Surface temperatures remain fairly cool as of 1750Z, mainly in the upper 50s to mid 60s. Even so, modestly steepened mid-level lapse rates emanating from the higher terrain of the Rockies should aid in the development of around 1000-1250 J/kg of MLCAPE early this afternoon. 40-50 kt of deep-layer shear is being fostered by an ejecting mid-level shortwave trough and associated southwesterly jet. A few supercells capable of producing large hail up to 2 inches in diameter will be possible. Some upscale growth into small clusters may also occur with time, with perhaps a greater threat for occasional strong to severe wind gusts. The somewhat limited thermodynamic environment casts some uncertainty on the magnitude of the severe threat. Still, observational trends will be monitored over the next few hours for signs of increasing thunderstorm intensity, which may prompt eventual watch issuance.

..Gleason/Thompson.. 06/12/2023

...Please see [www.spc.noaa.gov](http://www.spc.noaa.gov) for graphic product...

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