

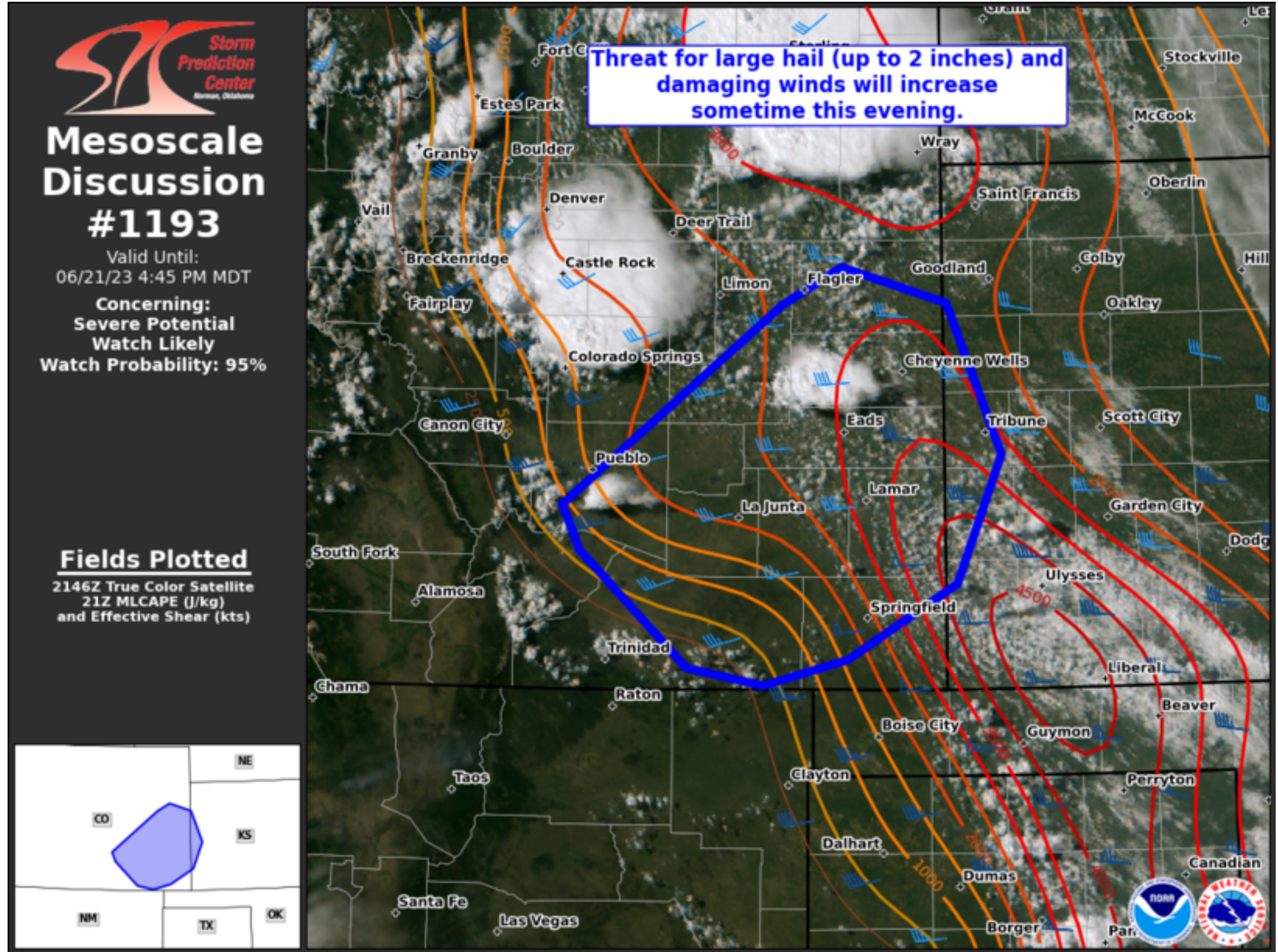
Local forecast by "City, St" or "ZIP"

Mesoscale Discussion 1193

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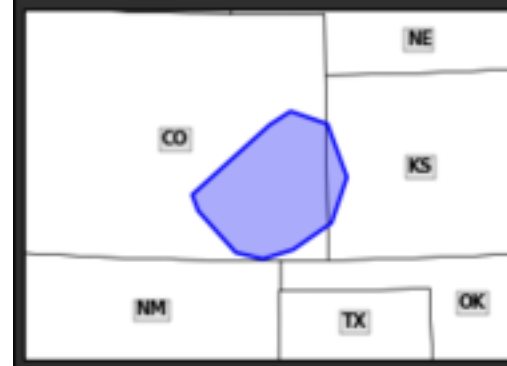
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Mesoscale Discussion #1193
 Valid Until: 06/21/23 4:45 PM MDT
Concerning: Severe Potential Watch Likely
 Watch Probability: 95%

Fields Plotted
 2146Z True Color Satellite
 21Z MLCAPE (J/kg)
 and Effective Shear (kts)



Mesoscale Discussion 1193
 NWS Storm Prediction Center Norman OK
 0452 PM CDT Wed Jun 21 2023

Areas affected...Southeastern Colorado

Concerning...Severe potential...Watch likely

Valid 212152Z - 212245Z

Probability of Watch Issuance...95 percent

SUMMARY...A watch is likely to be issued for the potential for large hail and damaging winds. Timing of the peak of severe activity is a bit uncertain, however.

DISCUSSION...Isolated convection is trying to develop along the Front Range and along outflow in southeastern Colorado. Subtle ascent is evident on water vapor imagery. So far storms have struggled to become rooted. However, the environment is very unstable with 3000-3500 J/kg MLCAPE. 40-50 kts of shear across the terrain and boundary would promote discrete supercell capable of large hail (perhaps to 2 inches) and damaging wind gusts. The tornado risk currently appears low, but there will be some increase in the 850 mb southeasterly winds in the region later this evening. Again, there is some uncertainty with whether this initial activity will mature. With the large amounts of convection in northeast Colorado, there is also concern that activity will build southeastward into the large buoyancy. A watch is likely going to be issued for both possibilities.

..Wendt/Thompson.. 06/21/2023

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

ATTN...WFO...DDC...GLD...PUB...BOU...

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