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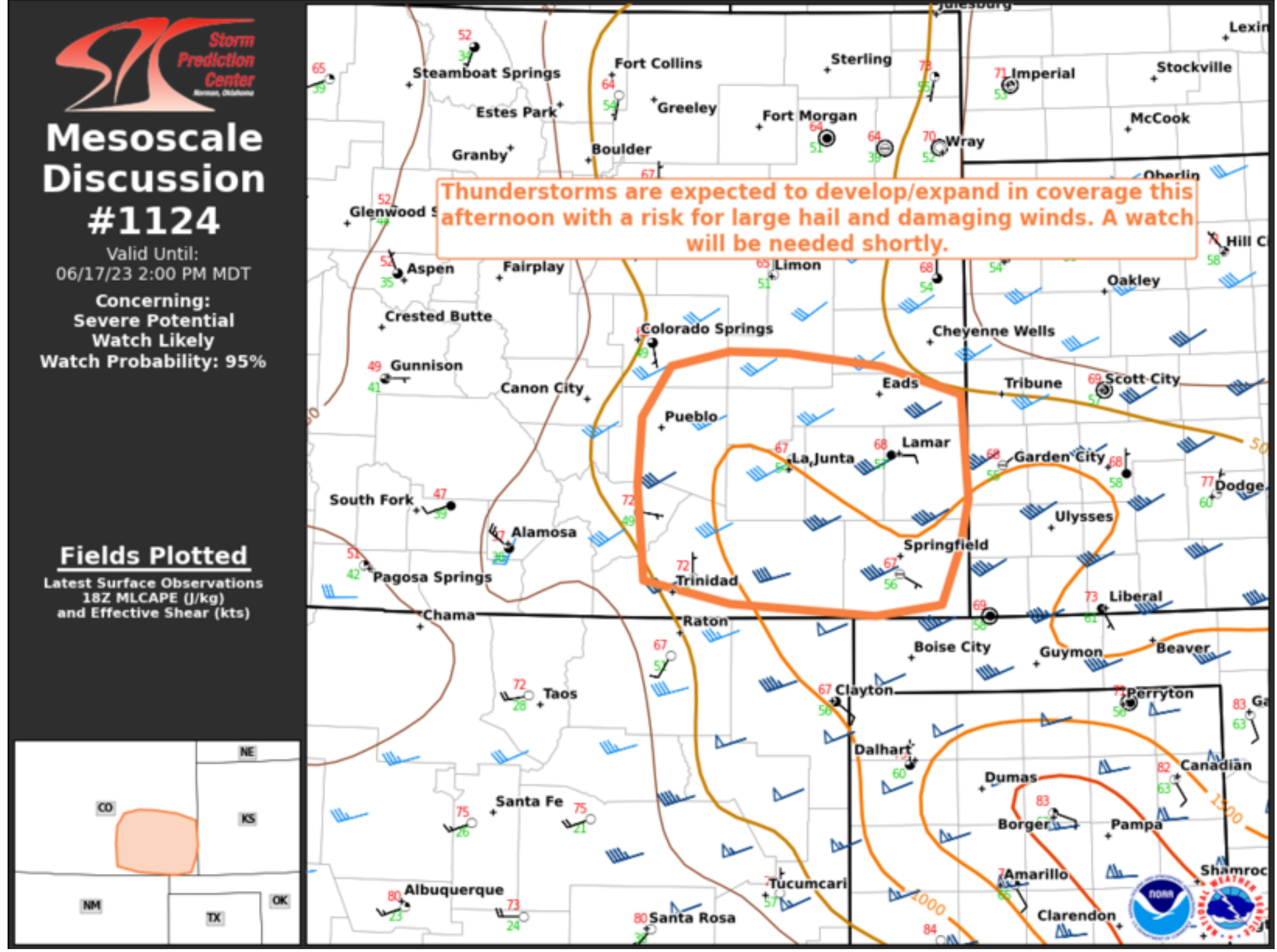
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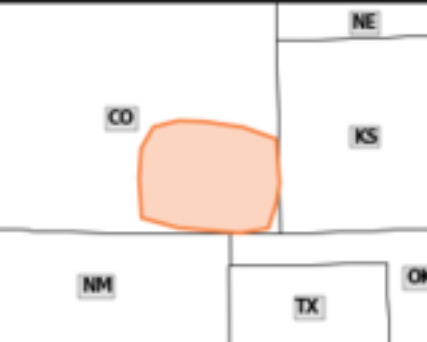
Mesoscale Discussion 1124

< Previous MD Next MD >



Mesoscale Discussion #1124
 Valid Until: 06/17/23 2:00 PM MDT
 Concerning: Severe Potential Watch Likely
 Watch Probability: 95%

Fields Plotted
 Latest Surface Observations
 18Z MLCAPE (J/kg)
 and Effective Shear (kts)



Mesoscale Discussion 1124
 NWS Storm Prediction Center Norman OK
 0107 PM CDT Sat Jun 17 2023

Areas affected...southeast Colorado
 Concerning...Severe potential...Watch likely
 Valid 171807Z - 172000Z
 Probability of Watch Issuance...95 percent

SUMMARY...Severe thunderstorms are expected to intensify over the next few hours and move east/southeast off of the higher terrain and across southeast Colorado. Damaging gusts and large to very large hail will be the primary threats, although a tornado will also be possible. A watch will be needed shortly.

DISCUSSION...A focused region of large-scale ascent moving east across central CO will combine with moist southeasterly low-level flow and contribute to an increase in thunderstorm coverage over the higher terrain west of Interstate 25 over the next 1-2 hours. These storms will move east/southeast across southeast CO where visible imagery suggests that convective inhibition continues to weaken. Continued daytime heating and lower 50s surface dewpoints will combine with steep mid-level lapse rates to result in moderate MLCAPE. Deep-layer shear will support a mix of supercell structures and line segments capable of severe wind gusts and large hail. More discrete supercells will be capable of very large hail (in excess of 2 inches) given ample CAPE in the -10C to -30 layer. Damaging wind gusts will become more likely with time as linear structures evolve with eastward extent.

Convective trends are being monitored and a watch will likely be needed shortly.

..Bunting/Hart.. 06/17/2023
 ...Please see www.spc.noaa.gov for graphic product...
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