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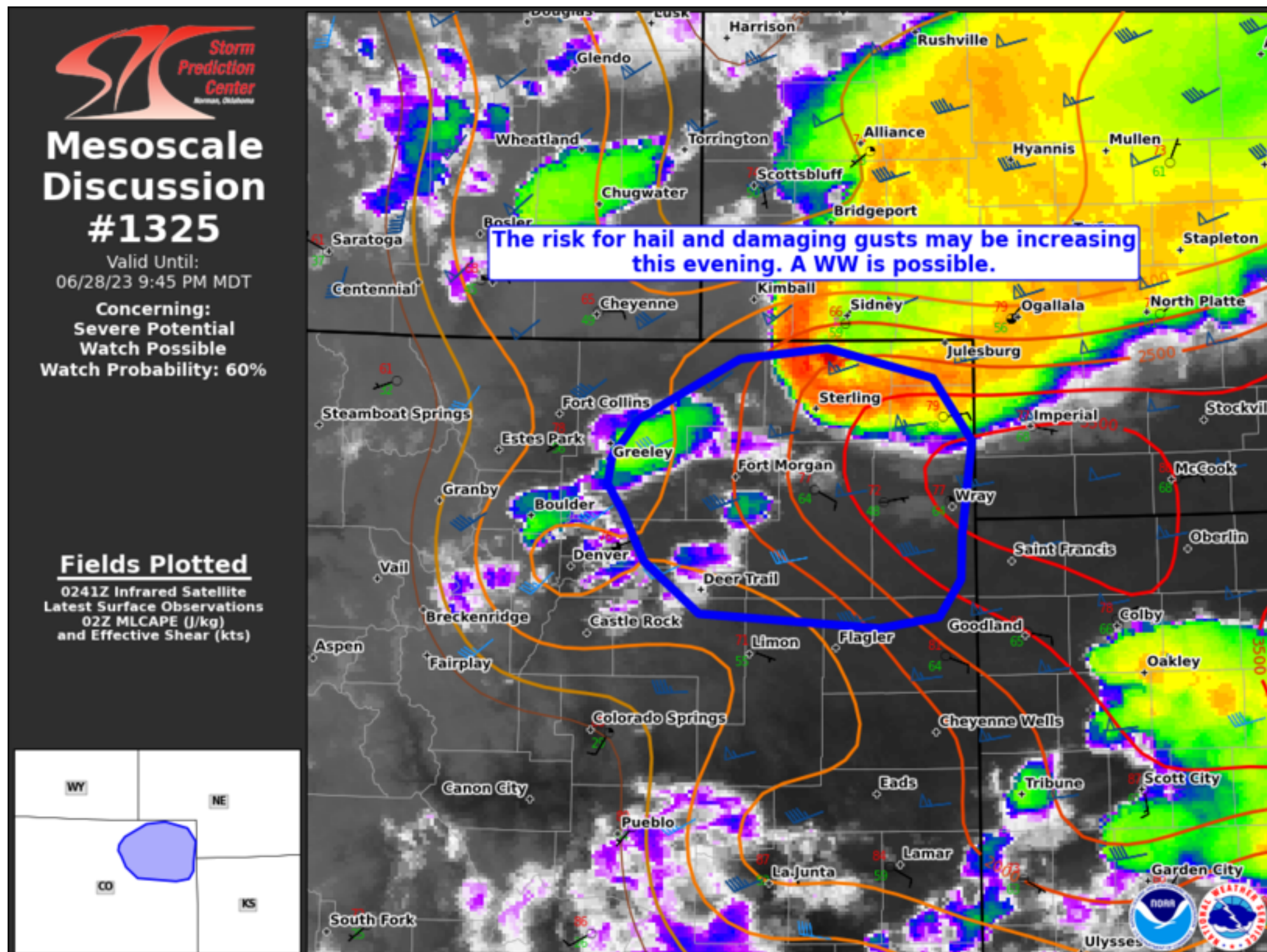
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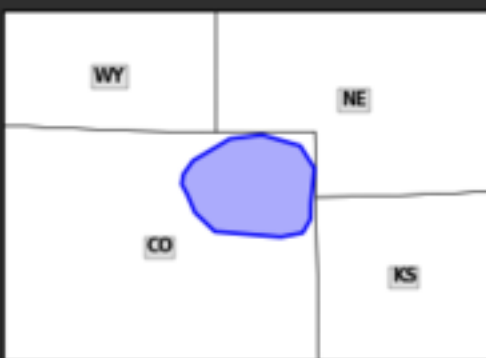
Mesoscale Discussion 1325

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Mesoscale Discussion #1325
 Valid Until: 06/28/23 9:45 PM MDT
 Concerning: Severe Potential Watch Possible
 Watch Probability: 60%

Fields Plotted
 0241Z Infrared Satellite
 Latest Surface Observations
 02Z MLCAPE (J/kg)
 and Effective Shear (kts)



Mesoscale Discussion 1325
 NWS Storm Prediction Center Norman OK
 0946 PM CDT Wed Jun 28 2023

Areas affected...northeast CO and the Front Range

Concerning...Severe potential...Watch possible

Valid 290246Z - 290345Z

CORRECTED FOR TYPOS

Probability of Watch Issuance...60 percent

SUMMARY...New convective development this evening may continue to strengthen and pose an increasing risk for hail and damaging winds. Conditions are being monitored for a possible weather watch.

DISCUSSION...As of 0235 UTC, evening IR satellite imagery showed developing thunderstorms along the CO Front Range into portions of northeast CO. Persistent upslope flow with dewpoints holding in the 50s F is supporting moderate destabilization. While thus far inhibition has suppressed convective development, subtle forcing from a passing 300 mb speed max and an increasing nocturnal low-level jet may be sufficient for storm development/intensification this evening. 40+ kt of bulk shear from the FTG VAD will favor a supercell storm mode with any storms able to become established. Steep mid-level lapse rates and favorable buoyancy would support a risk for hail and isolated damaging winds. Recent HRRR runs do show storm development/maintenance is possible into the overnight hours lending credibility to the increasing severe risk. Conditions are being monitored for a possible weather watch.

..Lyons/Hart.. 06/29/2023

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

ATTN...WFO...GLD...BOU...

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