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 City, St Go

Mesoscale Discussion 960

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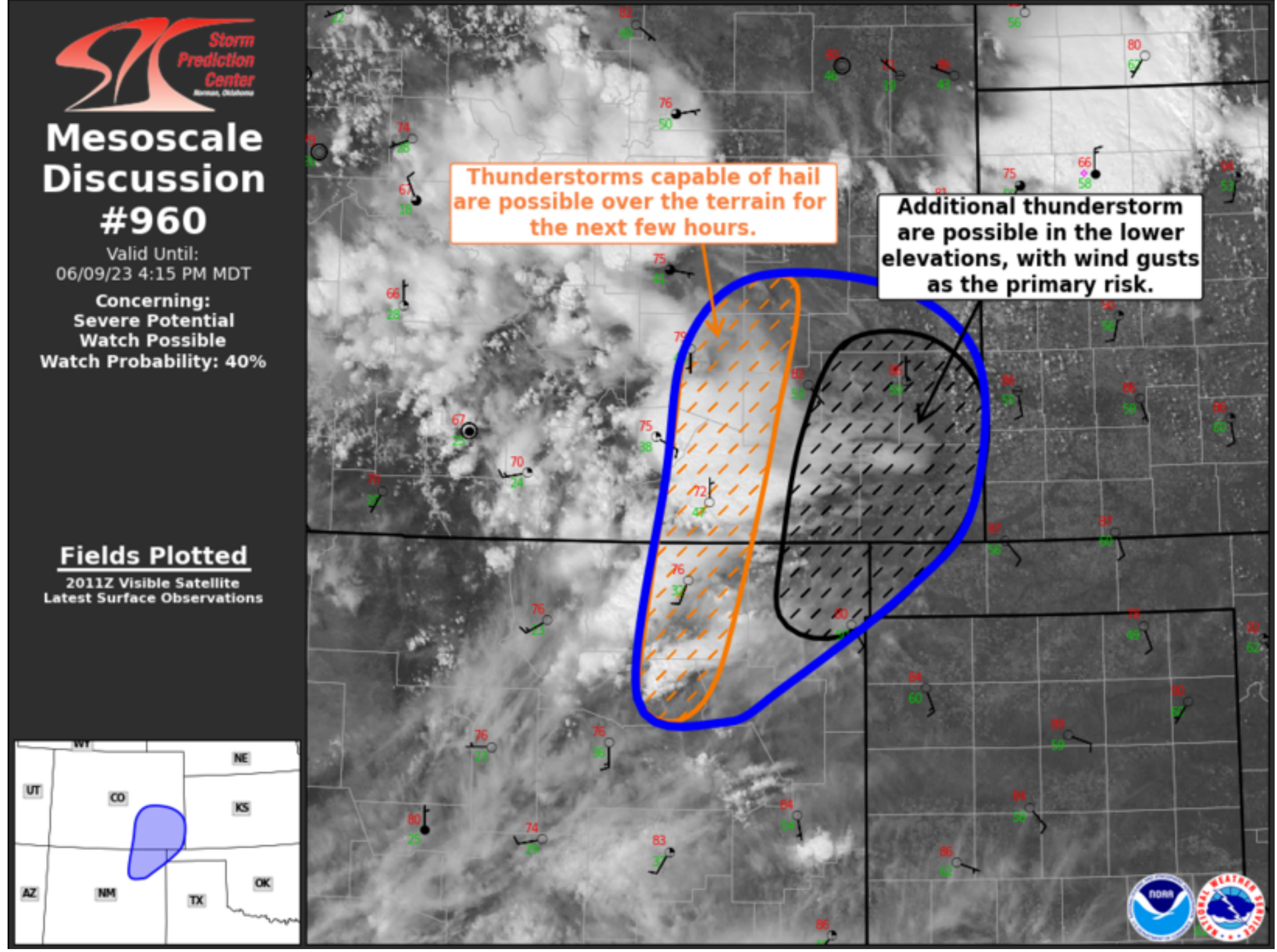
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Mesoscale Discussion #960
 Valid Until: 06/09/23 4:15 PM MDT
 Concerning: Severe Potential Watch Possible
 Watch Probability: 40%

Fields Plotted
 2011Z Visible Satellite
 Latest Surface Observations

Mesoscale Discussion 0960
 NWS Storm Prediction Center Norman OK
 0318 PM CDT Fri Jun 09 2023

Areas affected...Southeast CO...Far Northeast NM

Concerning...Severe potential...Watch possible

Valid 092018Z - 092215Z

Probability of Watch Issuance...40 percent

SUMMARY...Thunderstorms capable of hail are possible for the next few hours across the elevated areas of southeast CO. Addition storms are possible farther east, with damaging gusts as the primary severe threat.

DISCUSSION...Thunderstorm initiation is underway over the high terrain of southeast CO and adjacent northeast NM, supported by diurnal destabilization and increasing ascent attendant to the approaching shortwave trough. Thunderstorm development is expected to continue across the higher terrain this afternoon, before eventually trending more eastward into the lower elevations of far southeast CO. Some hail is possible with this more cellular development over the terrain.

The airmass over the lower elevations is characterized by deep boundary-layer mixing and associated steep low-level lapse rates. Deep-layer shear will be modest, which, when combined with the high cloud bases and steep low-lapse rates, will likely contribute to an outflow-dominant storm structure. Even so, some amalgamation of storm outflows is possible, with the resulting cluster then pushing even farther east into far southwest KS and the OK Panhandle. While the confidence in that convective evolution is moderate, the overall severity of resulting line is more questionable. As such, convective trends will be monitored this afternoon for possible watch issuance.

..Mosier/Thompson.. 06/09/2023

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

ATTN...WFO...GLD...AMA...PUB...BOU...ABQ...

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