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 City, St

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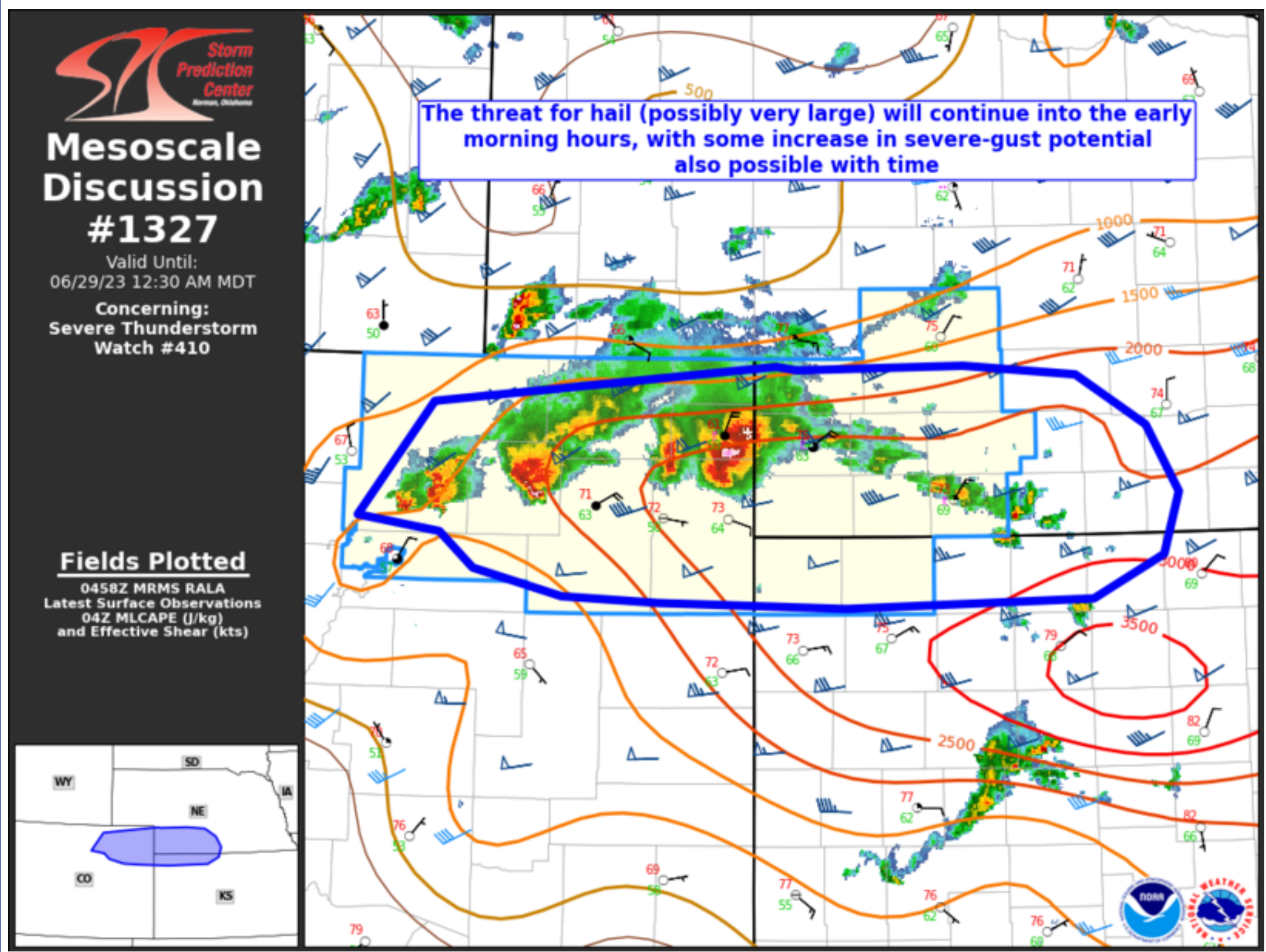
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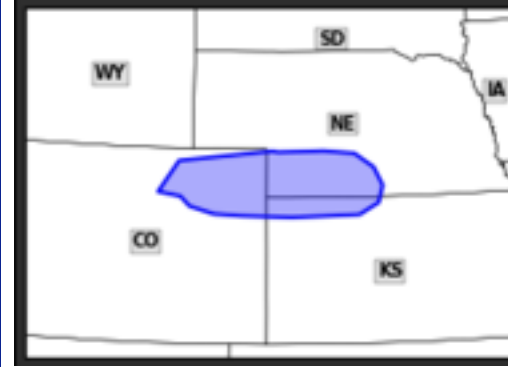
Mesoscale Discussion 1327

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Mesoscale Discussion #1327
 Valid Until: 06/29/23 12:30 AM MDT
 Concerning: Severe Thunderstorm Watch #410

Fields Plotted
 0458Z MRMS RALA
 Latest Surface Observations
 04Z MLCAPE (J/kg)
 and Effective Shear (kts)



Mesoscale Discussion 1327
 NWS Storm Prediction Center Norman OK
 1201 AM CDT Thu Jun 29 2023

Areas affected...Northeast CO into southwest NE/northwest KS

Concerning...Severe Thunderstorm Watch 410...

Valid 290501Z - 290630Z

The severe weather threat for Severe Thunderstorm Watch 410 continues.

SUMMARY...A threat for very large hail may continue into the early morning hours with ongoing supercells. There is some potential for the severe-gust potential to increase with time.

DISCUSSION...A large and intense supercell is ongoing at 0445 UTC across extreme northeast CO, with other more recent development noted near/north of the trailing outflow into a larger part of northeast CO. In the short term, moderate to strong buoyancy and favorable deep-layer shear will continue to support supercell potential, with an attendant threat of very large hail. A short-term tornado threat also cannot be ruled out with the lead supercell or with any of the trailing supercells that can remain rooted near the surface and not be undercut by outflow.

The lead supercell has shown an increase in forward speed over the last hour, and there is some potential for this cell to evolve into a forward-propagating cluster that could persist for much of the night. The evolution remains uncertain, however, due to the likely somewhat elevated nature of any overnight cluster, and the potentially negative impact of very warm temperatures at the base of the EML. If an organized cluster can persist and propagate eastward, a swath of severe gusts (in addition to hail) will be possible overnight, and downstream watch issuance may eventually be needed.

..Dean/Thompson.. 06/29/2023

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

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