

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

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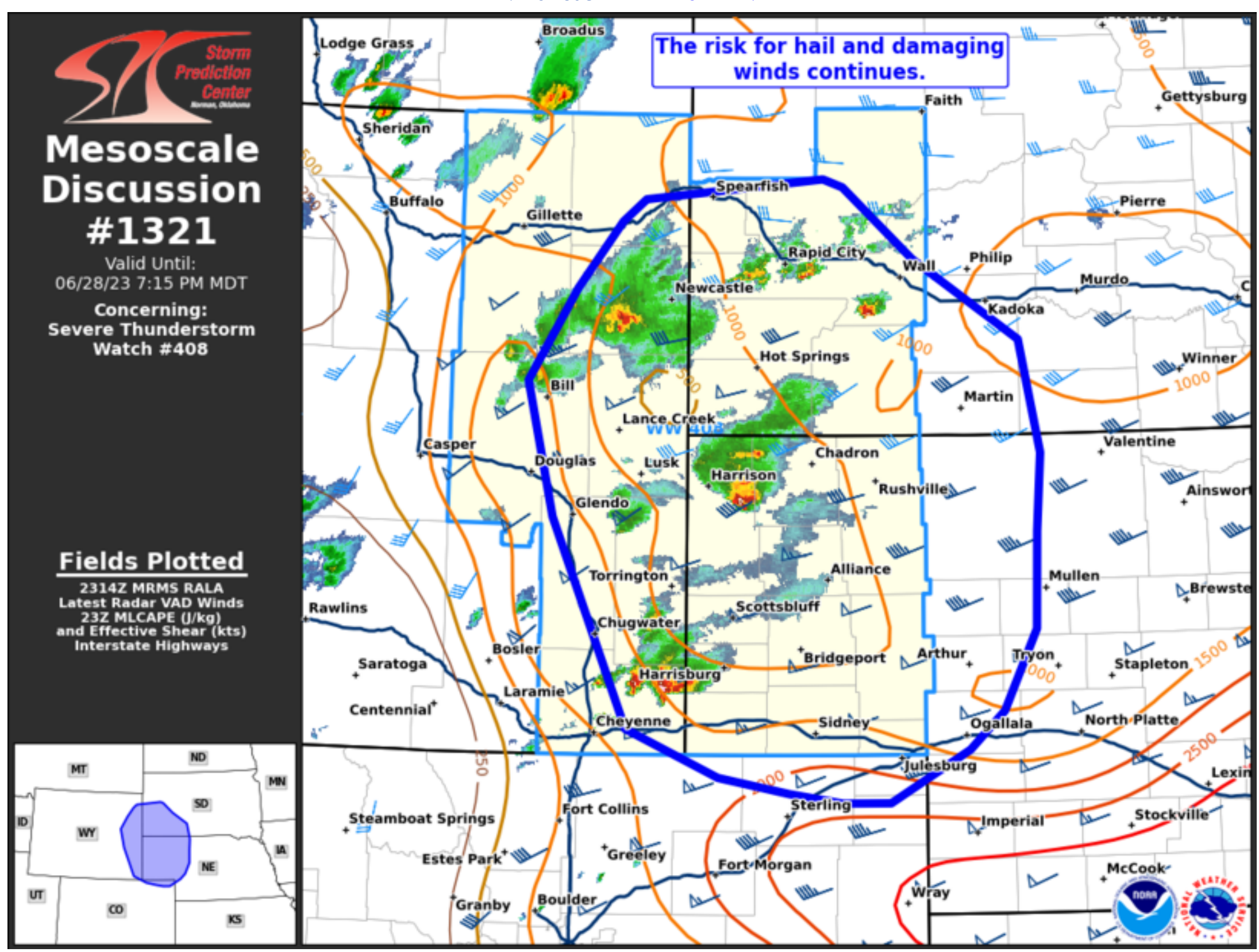
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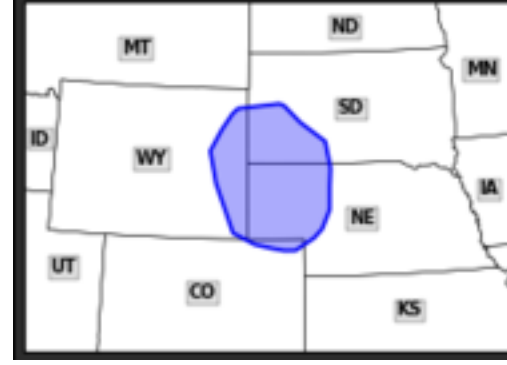
Mesoscale Discussion 1321

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Mesoscale Discussion #1321
 Valid Until: 06/28/23 7:15 PM MDT
Concerning: Severe Thunderstorm Watch #408

Fields Plotted
 2314Z MRMS RALA
 Latest Radar VAD Winds
 23Z MLCAPE (J/kg)
 and Effective Shear (kts)
 Interstate Highways



Mesoscale Discussion 1321
 NWS Storm Prediction Center Norman OK
 0616 PM CDT Wed Jun 28 2023

Areas affected...portions of eastern WY...western SD...and the NE Panhandle

Concerning...Severe Thunderstorm Watch 408...

Valid 282316Z - 290115Z

The severe weather threat for Severe Thunderstorm Watch 408 continues.

SUMMARY...Ongoing severe storms should continue to pose a risk for large to very large hail and damaging gusts tonight. A downstream watch and or local extensions may be needed later this evening.

DISCUSSION...Across WW408, several mature storms, including a few supercell, are ongoing late this afternoon/evening. Several reports of severe hail have been received over the last couple of hours as storms have maintained themselves. This should continue with hi-res guidance and observational trends showing storms maintaining intensity and the subsequent severe risk into this evening. The environment across the central High Plains remains favorable for supercells with moderate MLCAPE and 40-50 kt of effective shear. Steep mid-level lapse rates and a discrete storm mode suggest large to very large hail and isolated damaging gusts are likely into this evening. A tornado or two may also be possible with the more discrete supercells, though low-level flow is generally weak. As storms approach the eastern edge of WW408 later this evening the severe risk may continue farther east. Local extensions or a new watch will need to be considered in the next couple of hours pending convective trends.

..Lyons/Hart.. 06/28/2023

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

ATTN...WFO...LBF...UNR...BOU...CYS...

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 41020168 40690235 40690275 40750319 40860377 41150455
 42470518 43320541 43910500 44330462 44470442 44590289
 44550272 44090213

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