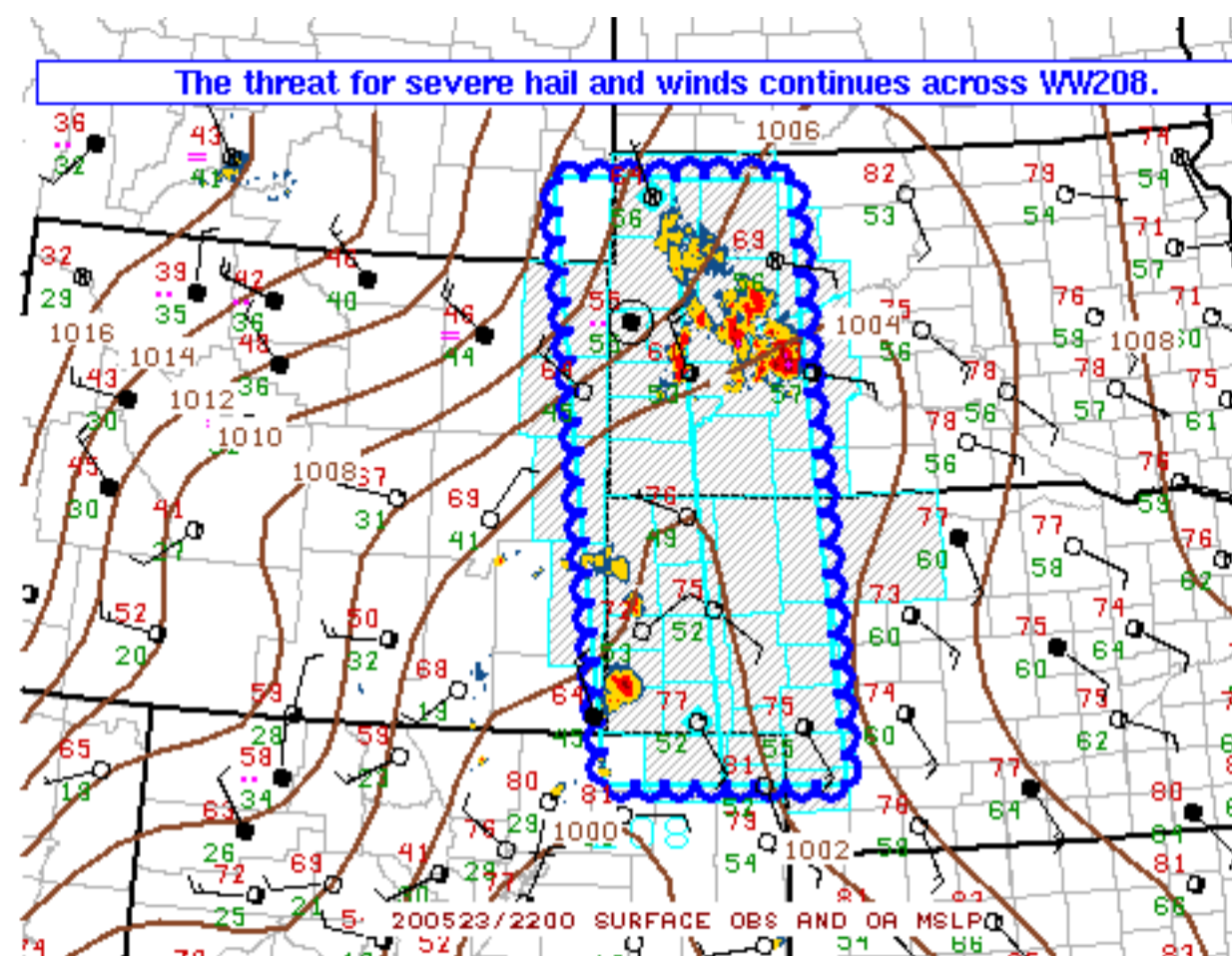


Local forecast by
"City, St" or "ZIP"City, St

Mesoscale Discussion 693

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The threat for severe hail and winds continues across WW208.



SPC MCD #0693

Mesoscale Discussion 0693
 NWS Storm Prediction Center Norman OK
 0627 PM CDT Sat May 23 2020

Areas affected...Central High Plains

Concerning...Severe Thunderstorm Watch [208](#)...

Valid 232327Z - 240100Z

The severe weather threat for Severe Thunderstorm Watch 208 continues.

SUMMARY...Ongoing severe convection is expected to continue across [WW208](#). Some intensification across the southern end of the watch is possible as storms encounter warmer and more moist air. Large hail and severe winds will be the main threats.

DISCUSSION...Severe storms are ongoing across [WW208](#) with two well defined regimes. To the north, near Rapid City, a cluster of strong multi-cells and occasional supercells will continue to pose a risk for large hail and strong winds. SPC mesoanalysis indicates MLCAPE of 1000-1500 J/kg with around 40 kt of effective shear. Steep mid-level lapse rates near 8 C/km will likely continue to support a large hail threat for a couple more hours. This is corroborated by the recent reports of golf ball sized hail east of Rapid City, SD. Though hail will remain a threat, storm interactions resulting in upscale growth should favor an increasing damaging wind threat as outflow consolidates.

Farther southeast across the Nebraska Panhandle, a cluster of storms will likely continue to the east along the interstate 80 corridor. here 1500-2000 J/kg of MLCAPE is present along with 40-50 kt of effective shear. Intermittent supercell structure has been noted with this storm. Some intensification appears possible with deeper moisture being advected in from the east. Large hail and damaging winds will be the primary threat with the cluster, though the increasing low-level moisture and shear may support a tornado or two later this evening.

..Lyons.. 05/23/2020

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

ATTN...WFO...ABR...LBF...UNR...BOU...CYS...BYZ...

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