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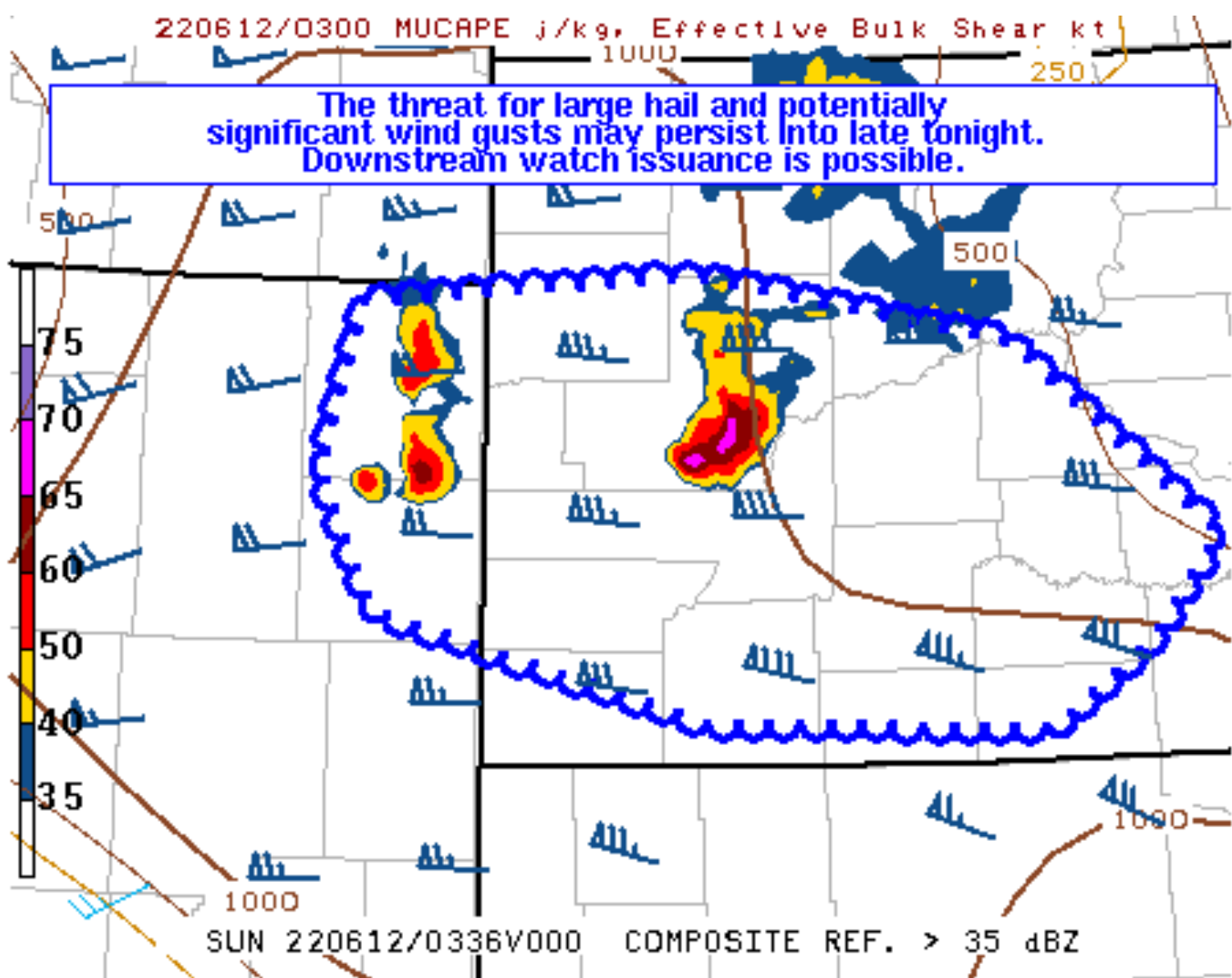
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## Mesoscale Discussion 1123

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SPC MCD #1123

Mesoscale Discussion 1123  
 NWS Storm Prediction Center Norman OK  
 1050 PM CDT Sat Jun 11 2022

Areas affected...Northeast WY into western/south-central SD

Concerning...Severe Thunderstorm Watch 347...

Valid 120350Z - 120515Z

The severe weather threat for Severe Thunderstorm Watch 347 continues.

SUMMARY...The threat for hail and potentially significant wind gusts may persist into late tonight. Some threat may spread east of WW 347, and downstream watch issuance is possible.

DISCUSSION...Convection has substantially intensified over the last 60-90 minutes from northeast WY into western SD, as it has moved into a somewhat more moist and unstable environment. Significant wind gusts have been noted with the intense cluster moving just north of Rapid City, and this cluster will continue to pose a threat of hail and potentially significant (65+ kt) gusts in the short term as it moves east-southeastward. Weaker instability is noted downstream, but very favorable deep-layer shear and the current well-organized structure will help to sustain a severe threat downstream into late tonight, as this small MCS moves along a weak frontal zone.

To the west, multiple supercells have redeveloped across northeast WY. These cells will pose a short-term threat of very large hail and severe wind gusts as they move into the Black Hills. Another cluster may eventually evolve out of these cells and move east-southeastward along a track just to the south of the leading cluster, with a continued threat of severe wind/hail.

While some weakening will eventually occur overnight, the leading cluster may pose a severe threat downstream of WW 347, while the western storms may persist across western SD beyond the 05Z expiration time. New watch issuance is possible prior to 05Z across parts of western into south-central SD.

..Dean/Thompson.. 06/12/2022

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

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