



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

City, St



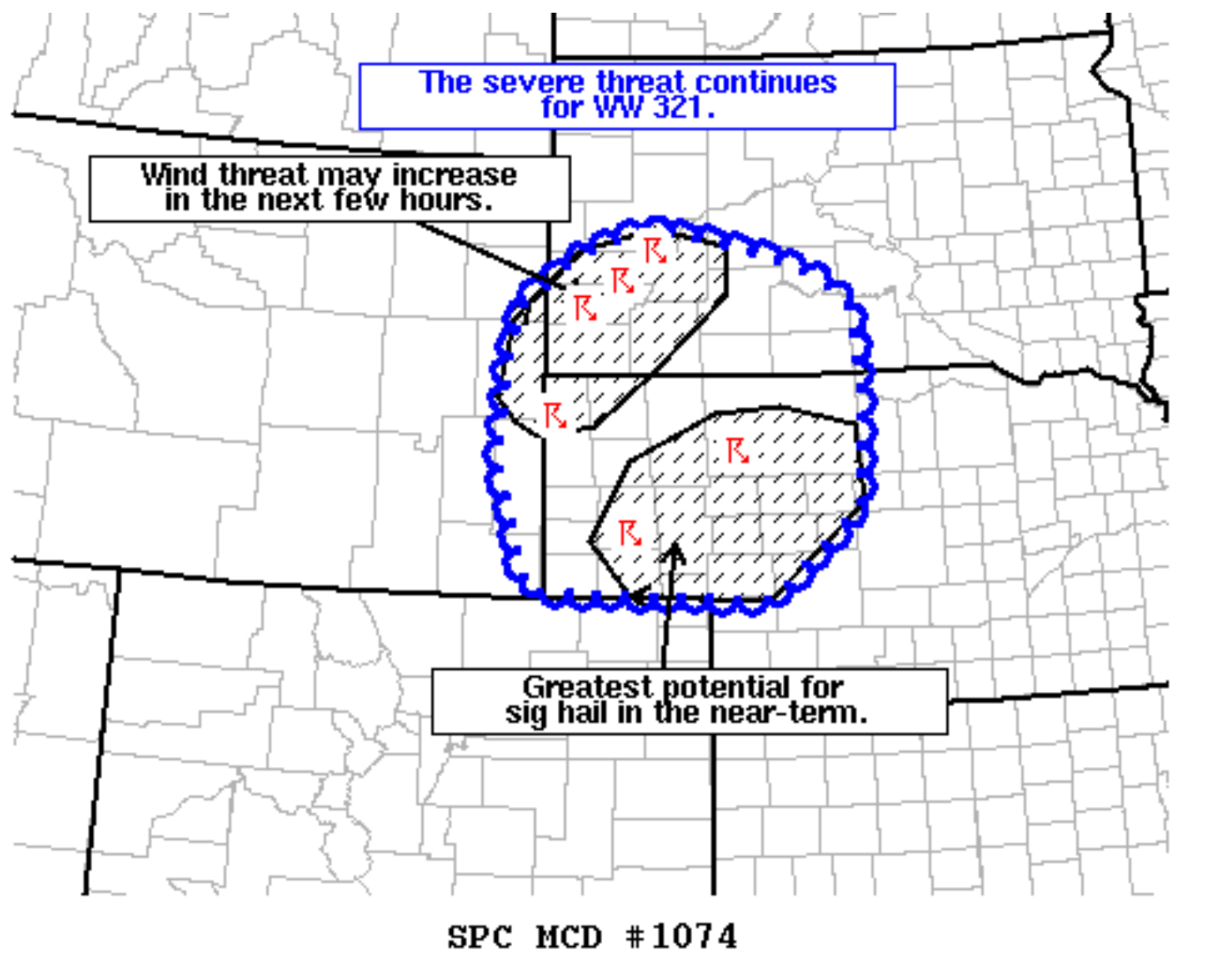
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Mesoscale Discussion 1074

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Mesoscale Discussion 1074
 NWS Storm Prediction Center Norman OK
 0355 PM CDT Tue Jun 07 2022

Areas affected...Eastern Wyoming into southwest South Dakota and northwest Nebraska

Concerning...Severe Thunderstorm Watch 321...

Valid 072055Z - 072300Z

The severe weather threat for Severe Thunderstorm Watch 321 continues.

SUMMARY...The threat for severe weather continues across WW 321. Severe hail will remain the predominant for the next 1-2 hours before a gradual increase in severe wind potential later this evening.

DISCUSSION...Several discrete supercells are being tracked across far eastern WY, southwest SD, and northwest NE. Several severe hail reports have been noted with this activity, including a report of 1.75 inch hail. Instability has increased over the past 2 hours with MLCAPE values around 1000 J/kg for most of the region. Effective bulk shear remains near 40-50, so in general the environment remains supportive for organized convection.

A pair of supercells across the NE panhandle are fairly isolated, and visible imagery shows little development in their immediate vicinity. Additionally, these cells are migrating into better low-level moisture, which will provide better surface-based buoyancy. Consequently, these cells will continue to pose a large hail threat and may have the best chance for producing significant hail in the near term.

Further to the north, semi-discrete supercells and a developing cluster are noted from the WY/NE border to the Rapid City, SD region. The stronger, more discrete cells will continue to pose a hail risk, but trends from KUDX suggest that outflows may be starting to consolidate. A transition to a more linear storm mode may be underway, and a more substantial severe wind threat may emerge across far northwest NE/southwest SD over the next 1-3 hours.

..Moore.. 06/07/2022

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

ATTN...WFO...ABR...LBF...UNR...CYS...

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