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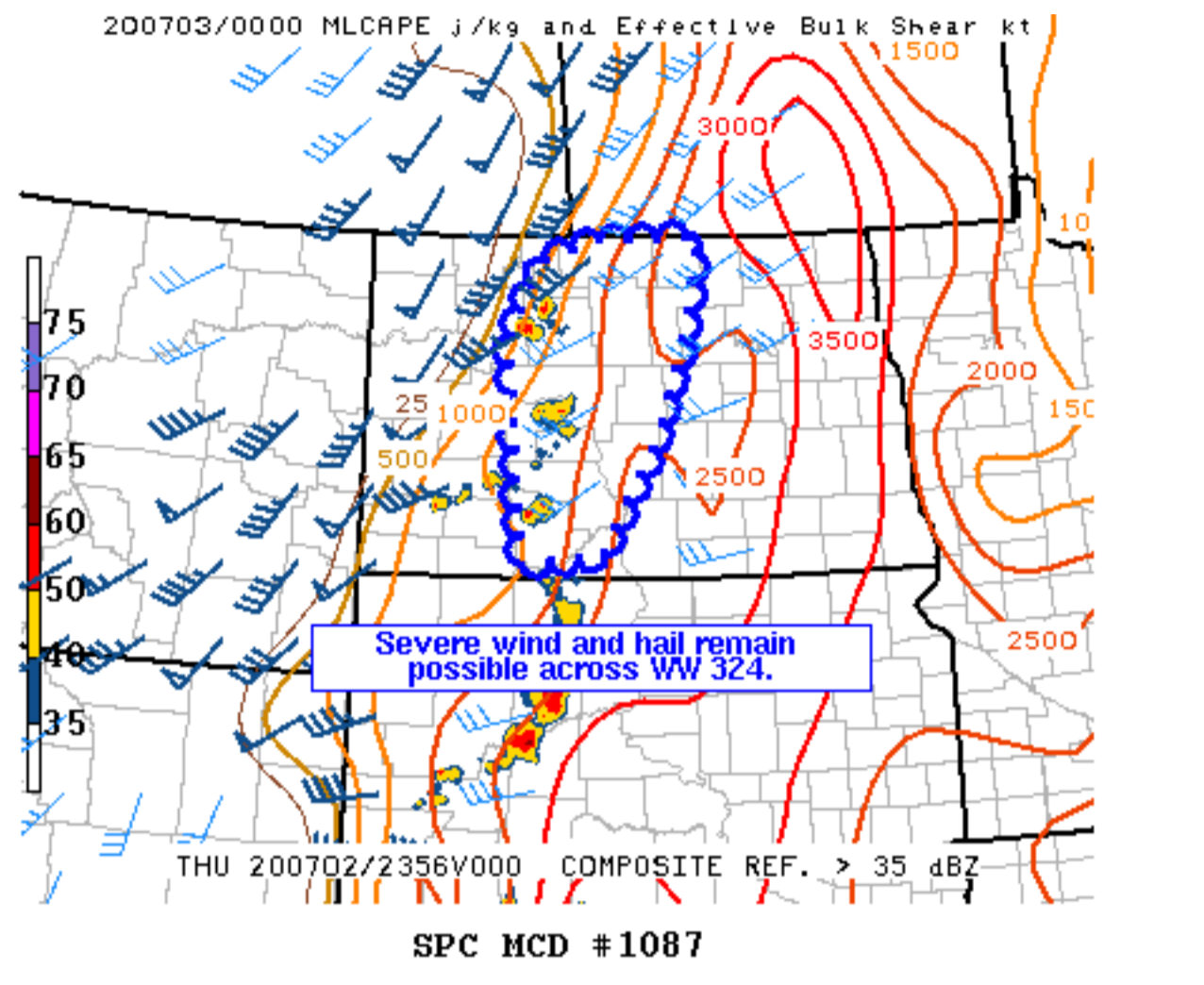
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Mesoscale Discussion 1087

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Mesoscale Discussion 1087
NWS Storm Prediction Center Norman OK
0736 PM CDT Thu Jul 02 2020

Areas affected...central North Dakota

Concerning...Severe Thunderstorm Watch 324...

Valid 030036Z - 030230Z

The severe weather threat for Severe Thunderstorm Watch 324 continues.

SUMMARY...Isolated severe hail and wind remain possible across WW 324. However a gradual weakening trend is likely.

DISCUSSION...Radar and MRMS vertically integrated ice trends across ND have shown a gradual weakening trend in ongoing convection over the past hour. This is likely due to gradually increasing MLCIN (per RAP mesoanalysis) and numerous cold pool/storm inflow interactions (due to the storm motion and boundary geometry). These processes should continue into the evening hours and should contribute to a continued gradual decline in overall storm intensity. However, given sufficient instability (1500-3000 J/kg MLCAPE) and effective bulk shear (30-35 knots across the broader region), periodic cell intensification will remain possible on the eastern edge of the convection. If this occurs, severe hail and wind will be possible.

..Moore.. 07/03/2020

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

ATTN...WFO...FGF...BIS...

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