



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

City, St

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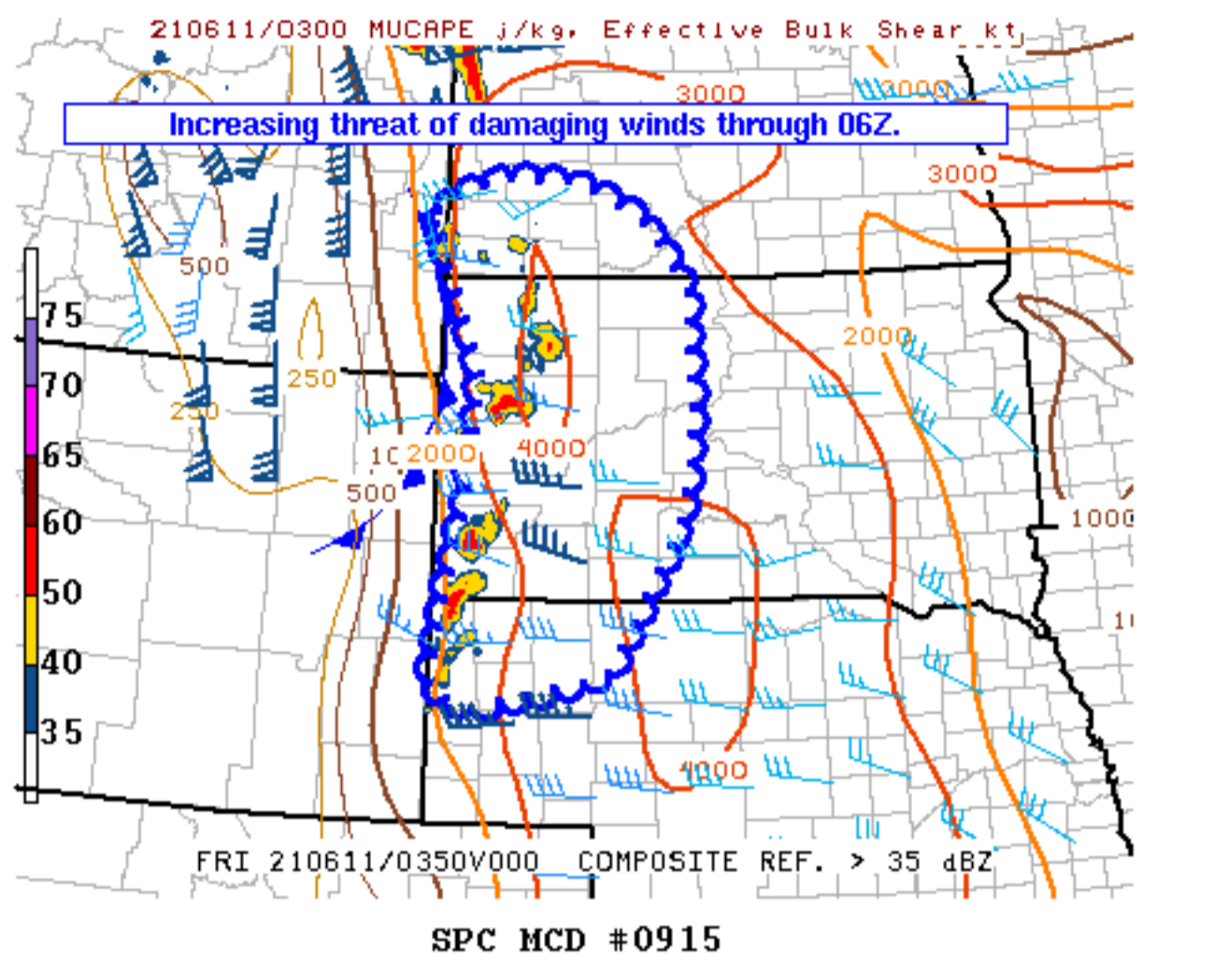
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Mesoscale Discussion 915

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Mesoscale Discussion 0915
NWS Storm Prediction Center Norman OK
1107 PM CDT Thu Jun 10 2021

Areas affected...Northwest NE...Western SD...Southwest ND

Concerning...Severe Thunderstorm Watch 253...254...

Valid 110407Z - 110530Z

CORRECTED FOR GEOGRAPHIC HEADLINE

The severe weather threat for Severe Thunderstorm Watch 253, 254 continues.

SUMMARY...Developing thunderstorm clusters will increase the damaging wind threat through 06Z, with some hail also possible.

DISCUSSION...Storm coverage has increased substantially across western SD and northwest NE over the last hour, with a few reports of severe hail and wind already noted across western SD. A well-defined outflow has emerged across northwest SD, with additional development noted along its leading flank. Steep midlevel lapse rates and strong MUCAPE (2500-3500 J/kg) will favor intense updrafts, even with convection that is slightly elevated behind the outflow. Additional southward development may occur as the low-level jet continues to increase and an accelerating cold front moves into the region.

Increasing midlevel flow and effective shear with time will support organized convection, and steep lapse rates through a deep layer just above a nocturnal inversion will favor outflow production and an increasing threat of more widespread severe wind with time. Embedded supercell structures capable of hail will also be possible for at least another 2-3 hours, before convective mode becomes increasingly linear with time.

..Dean.. 06/11/2021

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

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