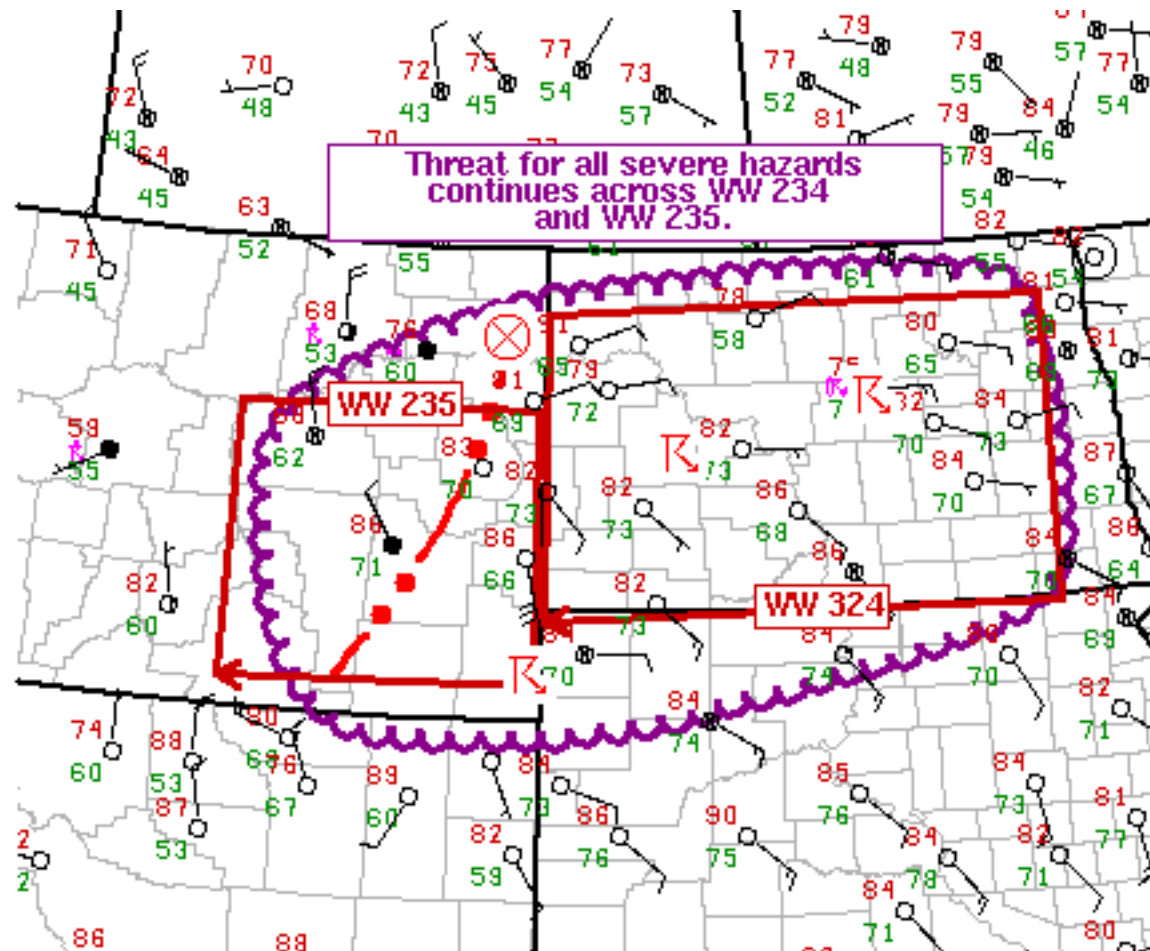



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## Mesoscale Discussion 933

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SPC MCD #0933

Mesoscale Discussion 0933

NWS Storm Prediction Center Norman OK

0906 PM CDT Thu Jun 28 2018

Areas affected...Eastern MT...Most of ND...Far Northwest SD

Concerning...Tornado Watch [234](#)...[235](#)...

Valid 290206Z - 290330Z

The severe weather threat for Tornado Watch 234, 235 continues.

SUMMARY...Maturing convective line will continue to pose a threat for all severe hazards as it moves eastward across eastern MT and into western ND. Discrete storms ahead of the line also pose a threat for all severe hazards.

DISCUSSION...Thunderstorm coverage across eastern MT has increased over the past hour as the shortwave trough and attendant forcing for ascent continues to progress northeastward. Overall radar presentation indicates cold pool amalgamation has likely occurred

with these storms with the resulting convective line extending from about 20 mi E of OLF southwestward to the storm 50 mi NNE of SHR. Additionally, rotation within the reflectivity at the northern end of the line suggests a MCV/book-end vortex has developed, validating the overall organization of the convective system. Expectation is for the line to progress eastward, maintained by moist low-level inflow from a strengthening low-level jet and steep mid-level lapse rates. Primary threat with this line is strong wind gusts, some of which could be over 65 kt. Hail is also possible as are tornadoes, particularly in any areas of the convective line where the outflow surges forward.

A few discrete supercells also exist ahead of the convective line. Supercell in Carter County MT continues to pose a tornado threat (verified by storm-spotter video) as does the nearly stationary storm over Dunn County ND. Very large hail and strong wind gusts are also a threat from these discrete storms.

..Mosier.. 06/29/2018

...Please see [www.spc.noaa.gov](http://www.spc.noaa.gov) for graphic product...

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