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Mesoscale Discussion 918

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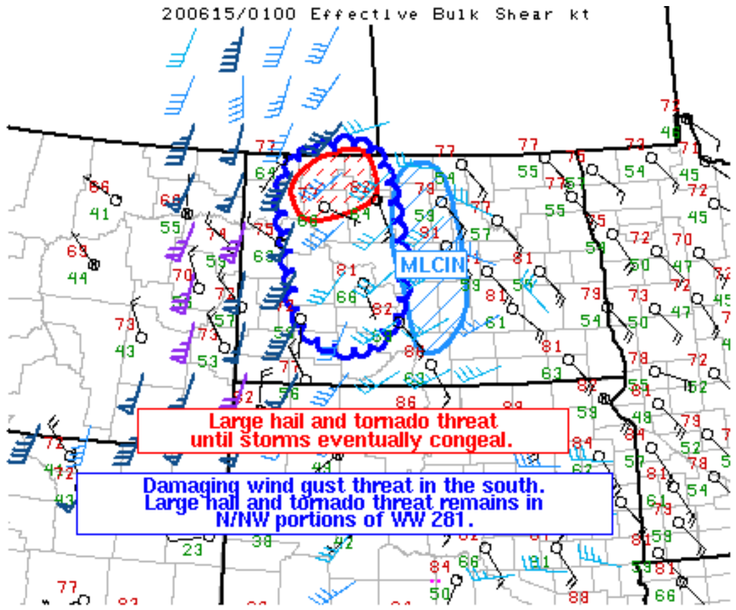

SPC MCD #0918

Mesoscale Discussion 0918
NWS Storm Prediction Center Norman OK
0825 PM CDT Sun Jun 14 2020

Areas affected...Portions of western and central North Dakota

Concerning...Severe Thunderstorm Watch 281...

Valid 150125Z - 150330Z

The severe weather threat for Severe Thunderstorm Watch 281 continues.

SUMMARY...A remaining supercell in Mountrail county will continue to pose a threat for large hail and perhaps a tornado. With more multicellular activity in the vicinity of this storm, upscale growth will likely occur in the next 1-2 hours. As that occurs, damaging wind gusts will be the primary threat. Activity should eventually impact north-central North Dakota before moving across the Canadian border later this evening.

DISCUSSION...Storms that developed in southwestern portions of WW 218 have decreased in intensity over the course of the last 1-2 hours. This is likely due to the remaining MLCIN sampled by the 00Z BIS sounding. A more organized supercell has developed and moved into Mountrail County. This storm is likely to maintain intensity for another hour or two as relative minimum in MLCIN exists in the northwestern quarter of North Dakota according to objective mesoanalysis. Given the storm mode, the southeasterly winds at Minot, and the KMBX VAD showing low-level hodographs supportive of rotation, a tornado threat will accompany this storm as it moves NNE. With convection to the southeast and northwest of this supercell, some upscale growth is likely to occur with time. Without an organized cold pool, eastward progression will be minimal. The latest HRRR solutions would suggest that this activity will impact portions of north-central North Dakota before weakening or moving across the Canadian border. This evolution seems reasonable given the observational trends.

..Wendt.. 06/15/2020

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

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