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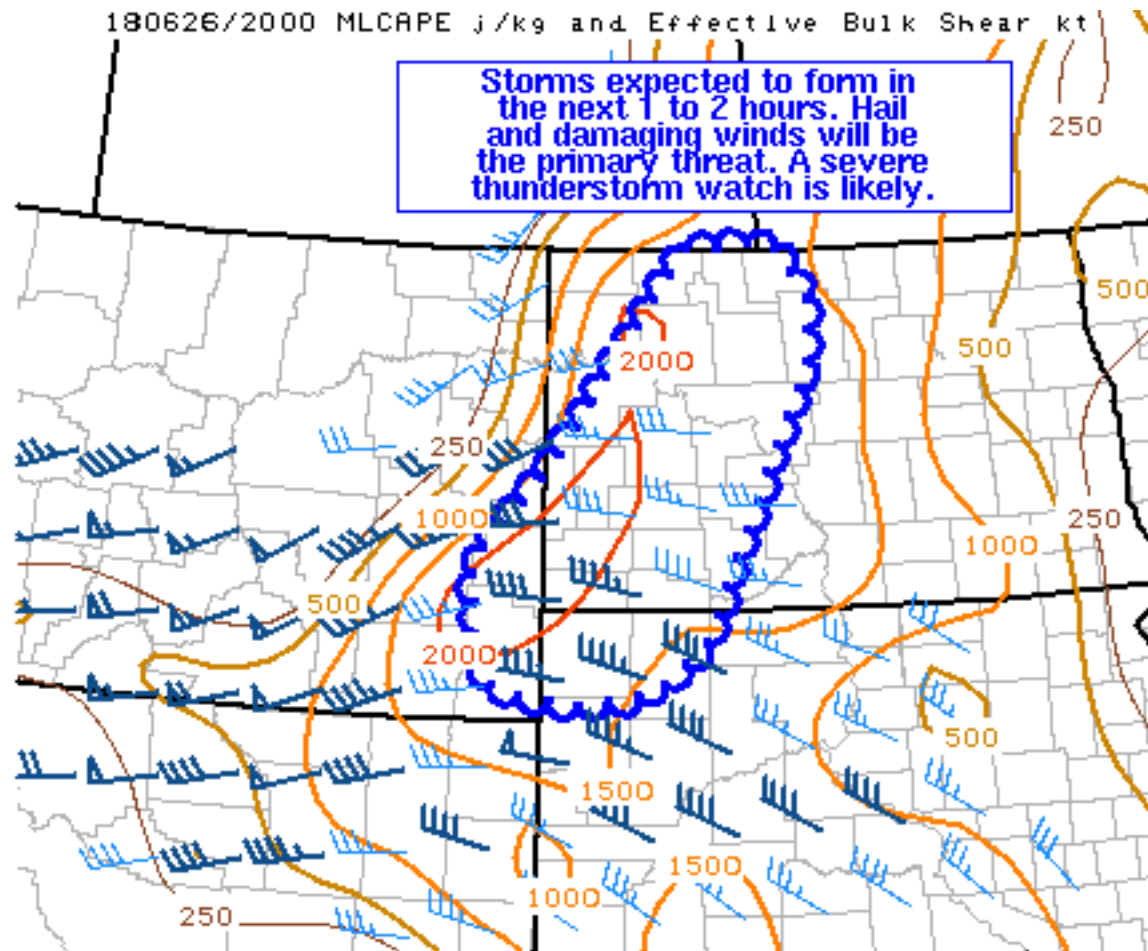
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Mesoscale Discussion 894

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SPC MCD #0894

Mesoscale Discussion 0894

NWS Storm Prediction Center Norman OK

0335 PM CDT Tue Jun 26 2018

Areas affected...Far eastern Montana...Western North Dakota...and far northwest South Dakota

Concerning...Severe potential...Watch likely

Valid 262035Z - 262200Z

Probability of Watch Issuance...80 percent

SUMMARY...A severe thunderstorm watch is likely in the next hour as strong to severe storms form.

DISCUSSION...A cumulus field continues to fill in across western North Dakota and far eastern Montana as instability increases ahead of an ejecting mid-level speed max. Some agitated cu along the cold front indicate convective initiation is likely in the next hour or two. Ahead of the front, temperatures have warmed into the low 80s

with dewpoints in the low 60s yielding MLCAPE values of 2000 J/kg. Current effective shear is 35 to 40 knots per latest RAP analysis however, deep layer shear will be increasing through the afternoon and evening as mid-level winds strengthen. Therefore, the environment will be favorable for supercells with large hail and damaging winds as the primary threat. A severe thunderstorm watch will likely be needed within the hour.

..Bentley/Thompson.. 06/26/2018

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

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