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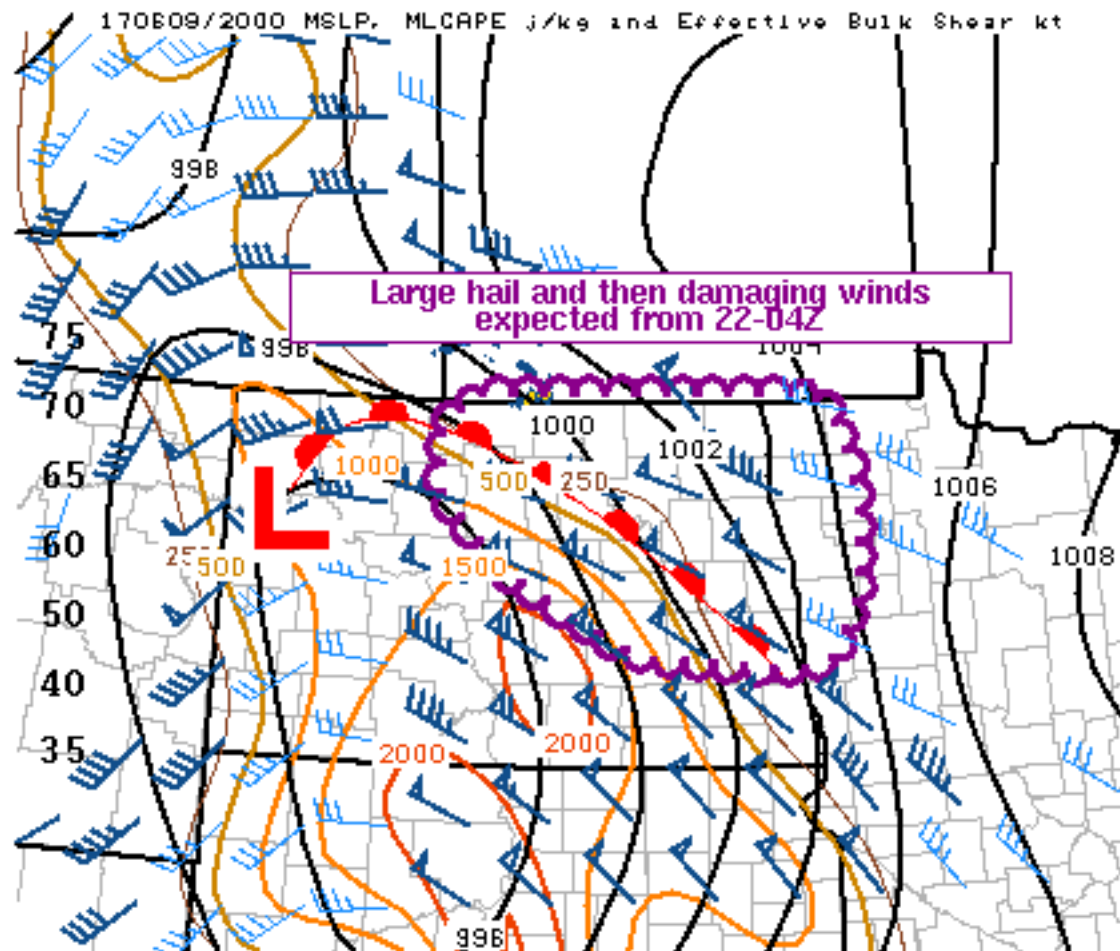
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Mesoscale Discussion 974

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SPC MCD #0974

Mesoscale Discussion 0974

NWS Storm Prediction Center Norman OK

0326 PM CDT Fri Jun 09 2017

Areas affected...Northern and eastern North Dakota into northwest Minnesota

Concerning...Severe potential...Watch likely

Valid 092026Z - 092230Z

Probability of Watch Issuance...80 percent

SUMMARY...A cluster of thunderstorms is expected to form around 22Z over north central North Dakota, and grow upscale into eastern North Dakota into northwest Minnesota this evening. Large hail and damaging winds are likely.

DISCUSSION...Visible imagery shows a CU field increasing in size and depth near the warm front over northern ND, and extending southward within the surface warm axis where temperatures have risen into the

mid 90s. Meanwhile, a weak surface low/trough will continue to deepen and shift eastward with time, further increasing convergence. This increasing lift and continued heating, combined with strong warm advection should result in storm formation by around 22Z across north central ND. The strong southerly low-level jet will favor a southeastward storm motion via propagation, as cells grow upscale with increasing damaging wind threat. Large boundary layer temperature/dewpoint spreads as seen on 19Z BIS sounding should further favor outflow production.

..Jewell/Hart.. 06/09/2017

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

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

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