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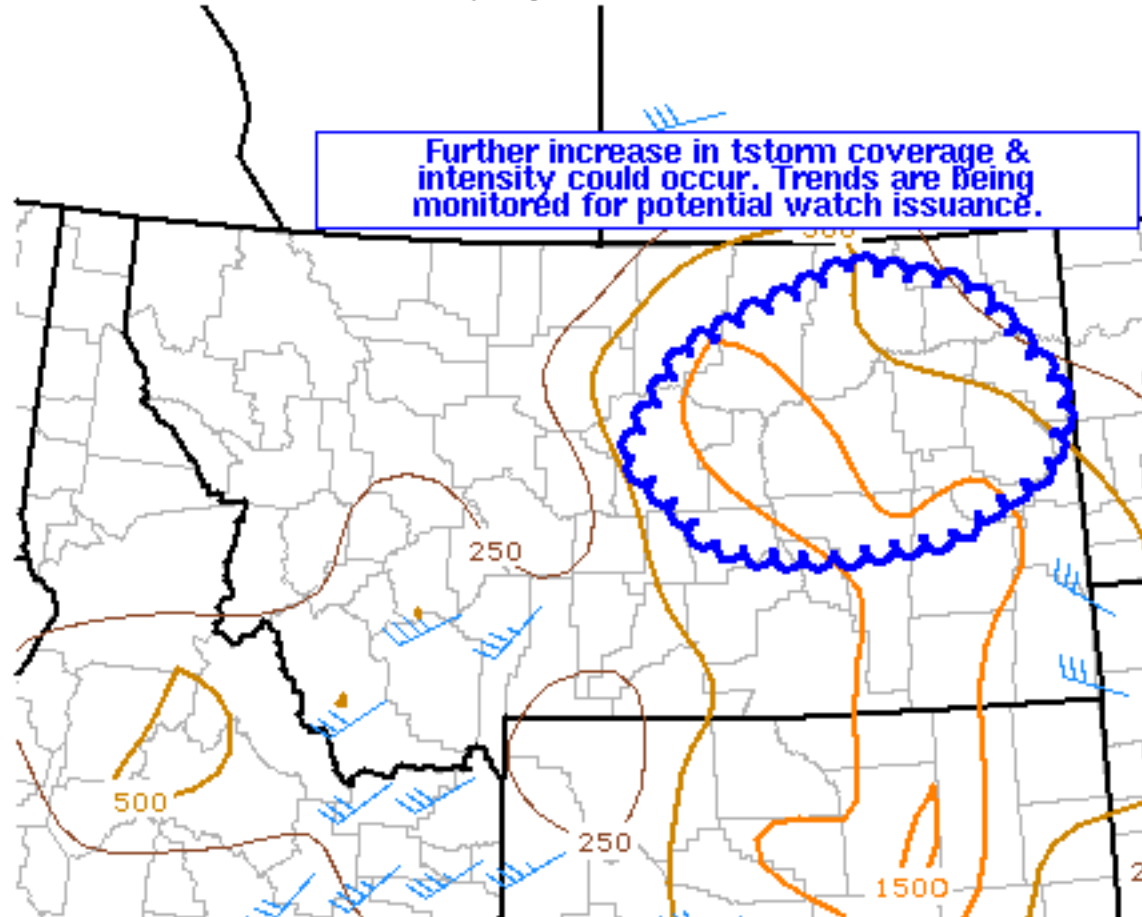
SPC Feedback

## Mesoscale Discussion 662

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Next MD &gt;

180607/1600 MLCAPE j/kg and Effective Bulk Shear kt



SPC MCD #0662

Mesoscale Discussion 0662

NWS Storm Prediction Center Norman OK

1124 AM CDT Thu Jun 07 2018

Areas affected...Portions of central/eastern Montana

Concerning...Severe potential...Watch possible

Valid 071624Z - 071730Z

Probability of Watch Issuance...60 percent

SUMMARY...A localized damaging wind and hail threat exists ahead of a small band of thunderstorms moving northeast over central Montana late this morning. Convective trends are being monitored for an increase in coverage, which would necessitate a severe thunderstorm watch.

DISCUSSION...KBLX data exhibit a small cluster of thunderstorms (mainly over Fergus/Petroleum Counties in MT) moving northeast around 30-40 mph. While the GGW 12Z sounding, adjusted for

pre-convective surface conditions, indicates some remaining surface-based inhibition, convergence along storm outflow is overcoming this inhibition. With further destabilization through afternoon, these cells will likely maintain a corridor of severe potential to the northeast. Steep mid-level lapse rates and modest effective shear will continue to support an organized multicell system, capable of large hail and damaging winds. Therefore, a watch could become necessary, and trends are being monitored for a continued uptick in coverage/intensity.

..Picca/Weiss.. 06/07/2018

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

ATTN...WFO...BYZ...GGW...TFX...

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