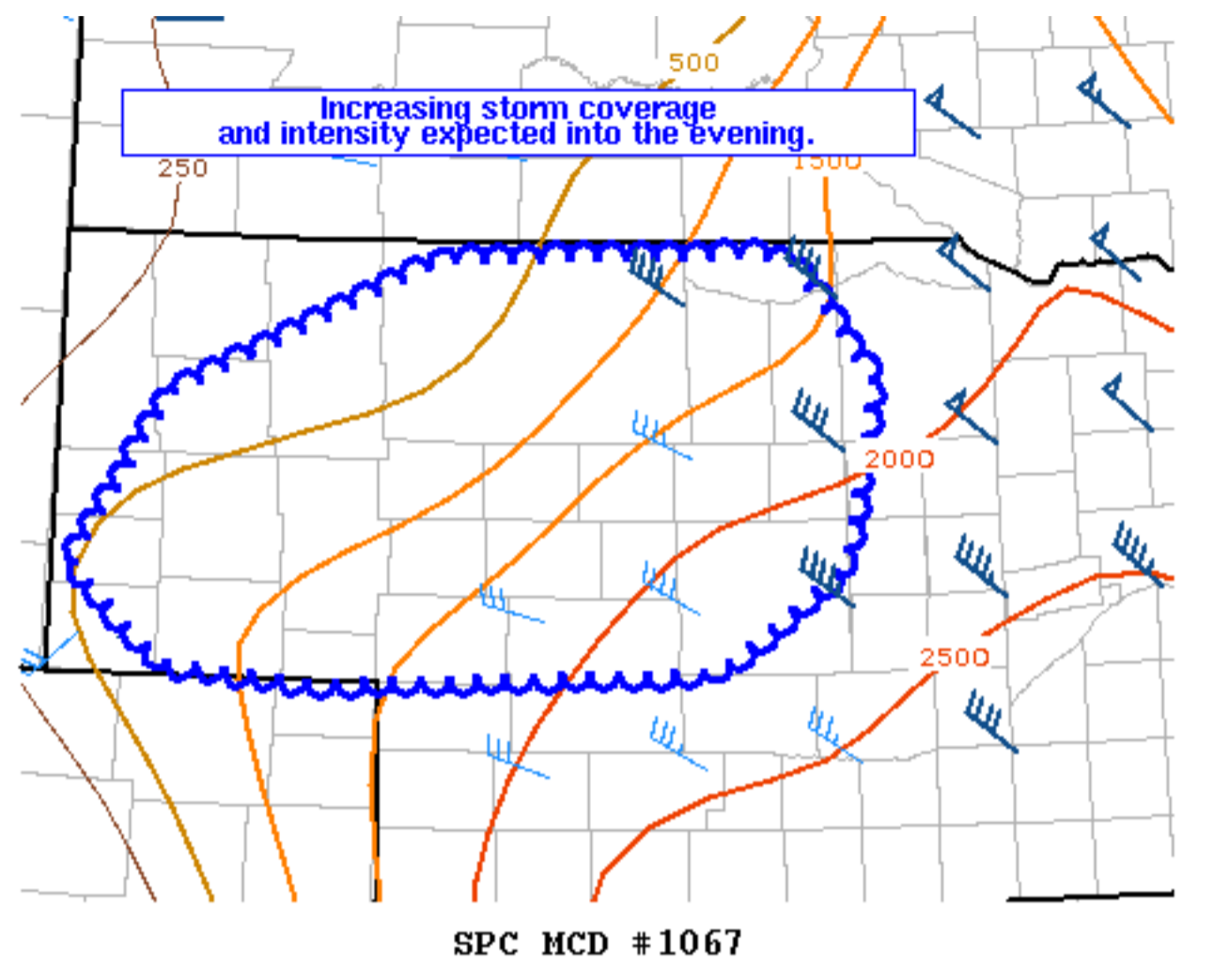


Local forecast by
"City, St" or "ZIP"

Mesoscale Discussion 1067

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Mesoscale Discussion 1067
NWS Storm Prediction Center Norman OK
0351 PM CDT Wed Jun 23 2021

Areas affected...Portions of the Nebraska Panhandle and north-central Nebraska.

Concerning...Severe potential...Watch possible

Valid 232051Z - 232245Z

Probability of Watch Issuance...40 percent

SUMMARY...Increasing storm coverage and intensity expected into the evening.

DISCUSSION...A few towers have started to develop in the well-mixed air in the Nebraska Panhandle where temperatures are over 100 degrees and inhibition is eroded according to SPC mesoanalysis. MLCAPE is only around 500 J/kg in this region and thus, storms are expected to strengthen gradually. However, as this activity moves eastward and as the upper trough advances east toward the better instability, storm intensity/coverage is expected to increase. In addition, shear is relatively weak where early development has begun, but it is stronger across central and eastern Nebraska. This should also aid in storm intensity/organization as activity moves east. Additionally, the low-level jet is expected to strengthen substantially during the evening hours which should provide additional forcing for storm development.

At some point during this evening, a severe thunderstorm watch will likely be needed, especially as storms organize into supercells/bowing segments. However, the timing of this transition remains unclear and thus storm trends will be monitored over the next few hours.

..Bentley/Hart.. 06/23/2021

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

ATTN...WFO...GID...LBF...BOU...CYS...

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