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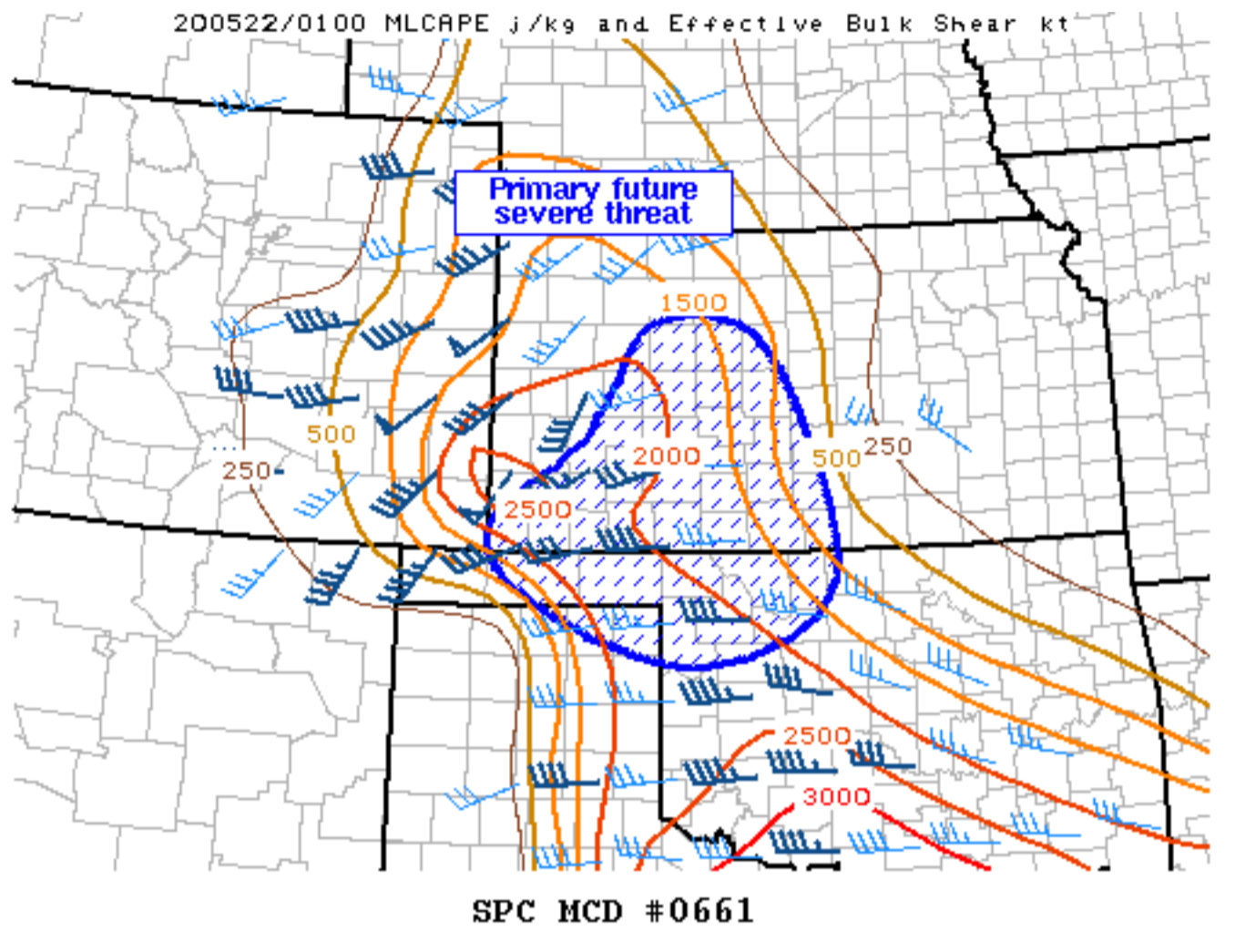
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Mesoscale Discussion 661

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200522/0100 MLCAPE j/kg and Effective Bulk Shear kt



Mesoscale Discussion 0661
NWS Storm Prediction Center Norman OK
0910 PM CDT Thu May 21 2020

Areas affected...Southwestern KS into northwestern OK

Concerning...Severe Thunderstorm Watch 198...

Valid 220210Z - 220315Z

The severe weather threat for Severe Thunderstorm Watch 198 continues.

SUMMARY...New severe thunderstorm watch will likely be issued before 03z. Severe threat is expected to shift southeast into the early morning hours.

DISCUSSION...Deep convection has been very slow to move out of western KS this evening. However, there are recent signs that forward propagation should begin to accelerate as cold pool intensifies in the wake of an expanding precipitation shield. Northwest-southeast oriented instability axis favors southeast propagation. With LLJ expected to increase over the next few hours into this developing MCS there is increasing confidence that a new severe thunderstorm watch will be warranted downstream into portions of northwestern OK. This new watch will be issued before 03z.

..Darrow.. 05/22/2020

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

ATTN...WFO...ICT...OUN...DDC...GLD...AMA...

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