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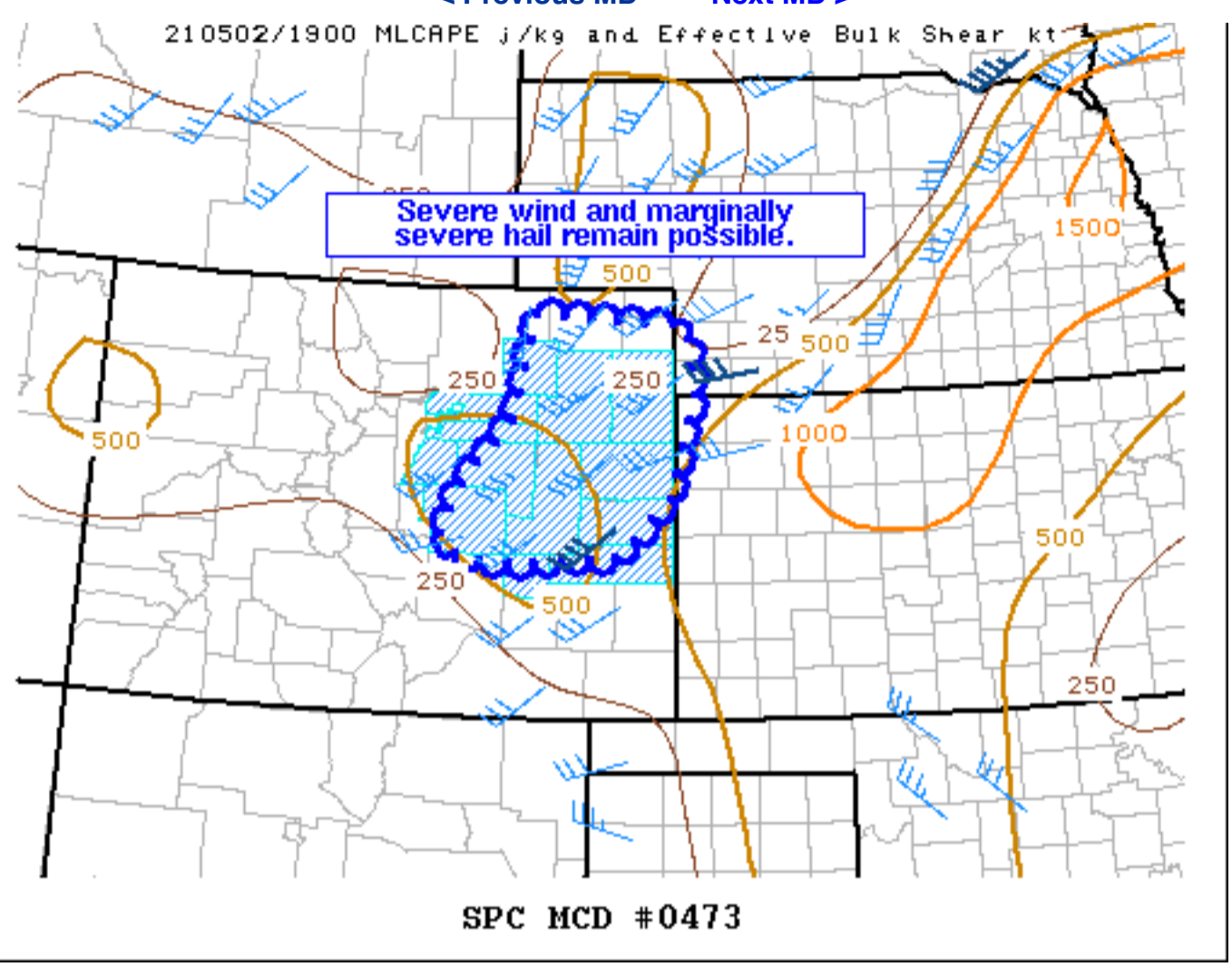
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Mesoscale Discussion 473

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Mesoscale Discussion 0473
 NWS Storm Prediction Center Norman OK
 0215 PM CDT Sun May 02 2021

Areas affected...East-central to northeast CO

Concerning...Severe Thunderstorm Watch [124](#)...

Valid 021915Z - 022045Z

The severe weather threat for Severe Thunderstorm Watch 124 continues.

SUMMARY...A severe wind and marginal severe hail threat may resume as thunderstorms spread east across the eastern CO plains.

DISCUSSION...Thunderstorm coverage has gradually been increasing along and just behind an eastward-moving composite outflow/front. The most pronounced recent development has been across Morgan to far eastern Adams/Arapahoe Counties and separately to the southwest within the upslope regime across western El Paso County. The downstream air mass has warmed through the 70s and low 80s across the eastern CO plains, but surface dew points at or above the mid 40s have become increasingly confined to along the state border with KS/NE. The lack of greater moisture will continue to limit available buoyancy and suggests the stronger updrafts will contain small to perhaps marginally severe hail amid moderate effective shear from 30-35 kt. Further clustering of convection will likely be necessary for an appreciable uptick in severe wind potential.

..Grams.. 05/02/2021

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

ATTN...WFO...LBF...GLD...PUB...BOU...

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