

## **Storm Prediction Center**



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

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Mesoscale

#864

Valid Until:

05/21/24 2:30 AM CDT

Concerning:

**Tornado Watch** 

#273

Fields Plotted

0626Z MRMS RALA

CO

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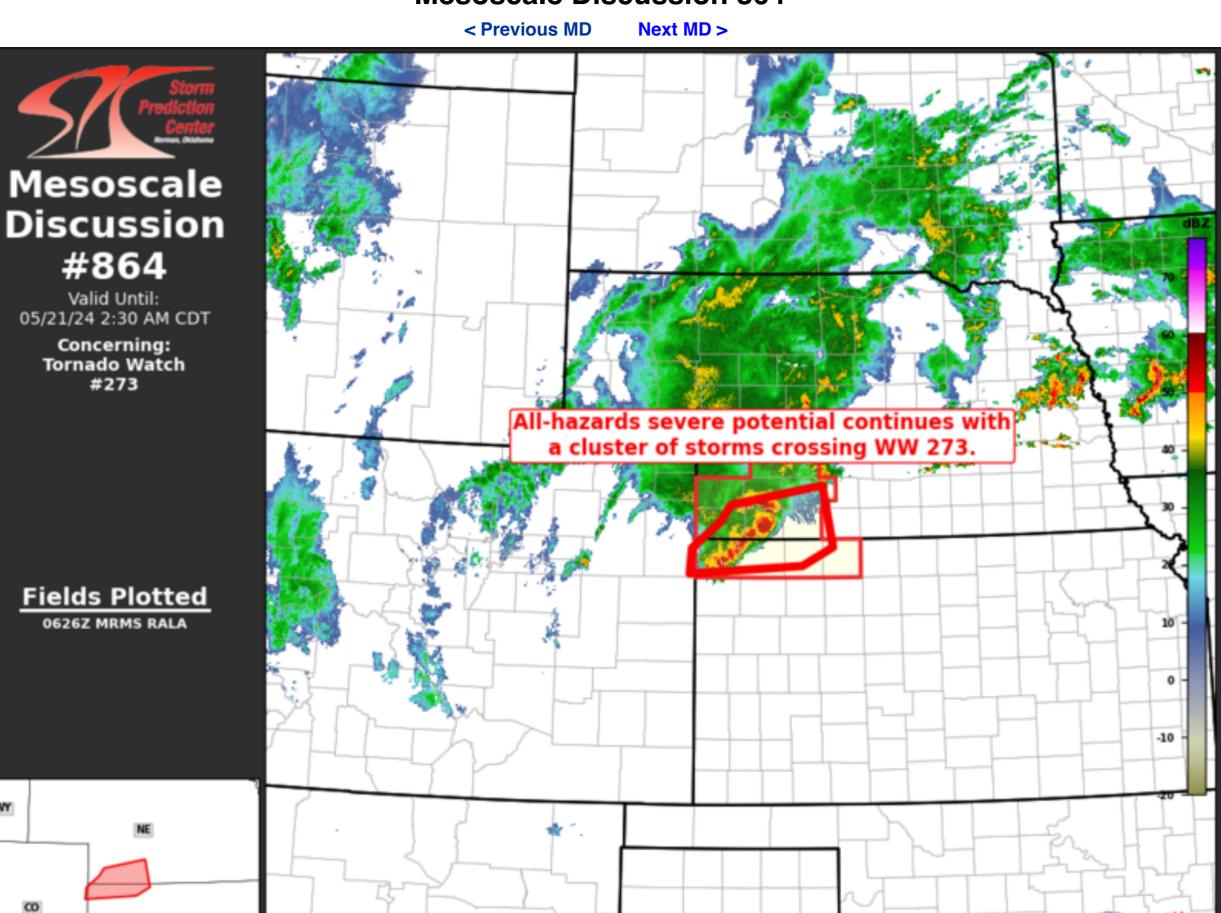
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**Mesoscale Discussion 864** 

News



Organization

Mesoscale Discussion 0864 NWS Storm Prediction Center Norman OK 0129 AM CDT Tue May 21 2024

Areas affected...southwestern Nebraska into northwestern Kansas

Concerning...Tornado Watch 273...

Valid 210629Z - 210730Z

The severe weather threat for Tornado Watch 273 continues.

SUMMARY...A cluster of intense storms continues moving eastward across southwestern Nebraska and adjacent northwestern Kansas. All-hazards severe risk is evident.

DISCUSSION...A well-organized, broadly rotating storm is currently observed crossing the Hayes/Hitchcock County vicinity in Nebraska, with trailing storms extending southwestward to Cheyenne County Kansas. The storms are ongoing just north of the conglomerate surface front/outflow lying west-southwest to east-northeast across northwestern Kansas and into central and southeastern Nebraska. As such, this region is on the northern gradient of surface-based instability, and thus capable of producing all-hazards severe weather -- given favorably strong/sheared background flow. This convection should maintain intensity as it shifts eastward toward -and eventually into -- WW 274, aided by the observed 60-kt low-level jet.

..Goss.. 05/21/2024

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

ATTN...WFO...GID...LBF...GLD...

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NOAA / National Weather Service National Centers for Environmental Prediction Storm Prediction Center 120 David L. Boren Blvd. Norman, OK 73072 U.S.A. spc.feedback@noaa.gov

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