



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

City, St

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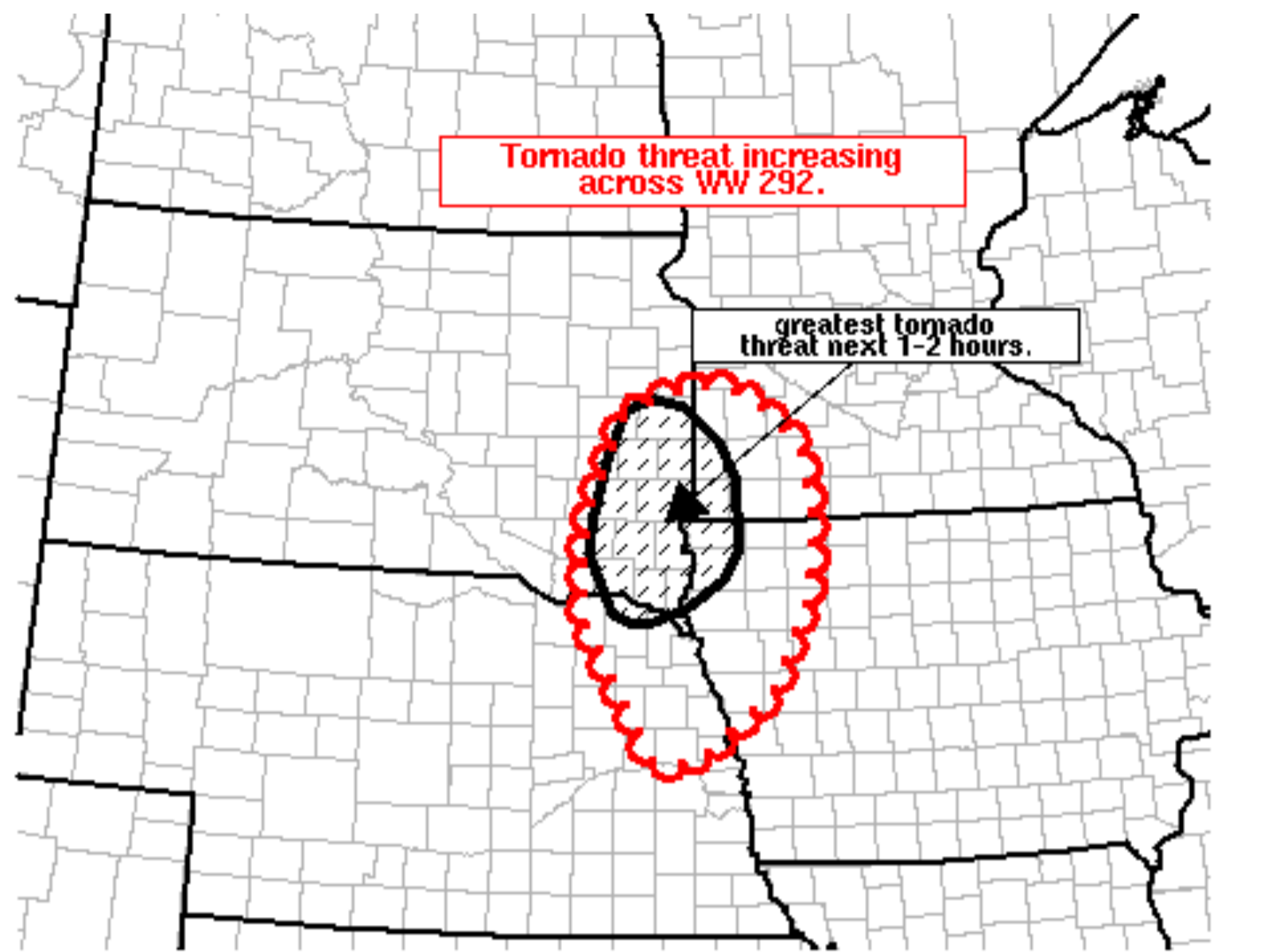
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## Mesoscale Discussion 977

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SPC MCD #0977

Mesoscale Discussion 0977  
 NWS Storm Prediction Center Norman OK  
 0134 PM CDT Mon May 30 2022

Areas affected...northeast NE...southeast SD...southwest MN and northwest IA

Concerning...Tornado Watch [292](#)...

Valid 301834Z - 302000Z

The severe weather threat for Tornado Watch 292 continues.

SUMMARY...The tornado threat appears to be increasing across [WW 292](#), especially across eastern SD over the next 1-2 hours.

DISCUSSION...Tornado potential is increasing across [WW 292](#). A discrete cell has develop ahead of the line/cluster of storms across eastern SD. Within the band of convection, semi-discrete structures are also noted. This activity will be shifting east/northeast into a rapidly destabilizing low-level environment with surface dewpoints in the upper 60s F. The VWP from KFSD has improved even further from just a couple of hours ago, with a 0-3 km hodograph very favorable for tornado-producing cells. Several cells, including the discrete cell ahead of the line of convection, have shown signs of increasing midlevel rotation recently, and an increase in low-level rotation is expected with eastward extent given the very favorable thermodynamic and kinematic environment. An increased tornado threat also will be possible as this band of convection absorbs any discrete cells developing ahead of the line.

..Leitman.. 05/30/2022

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

ATTN...WFO...MPX...DMX...FSD...OAX...ABR...

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 44119519 43459507 42789517 42009560 41429650 41469694

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