



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

City, St



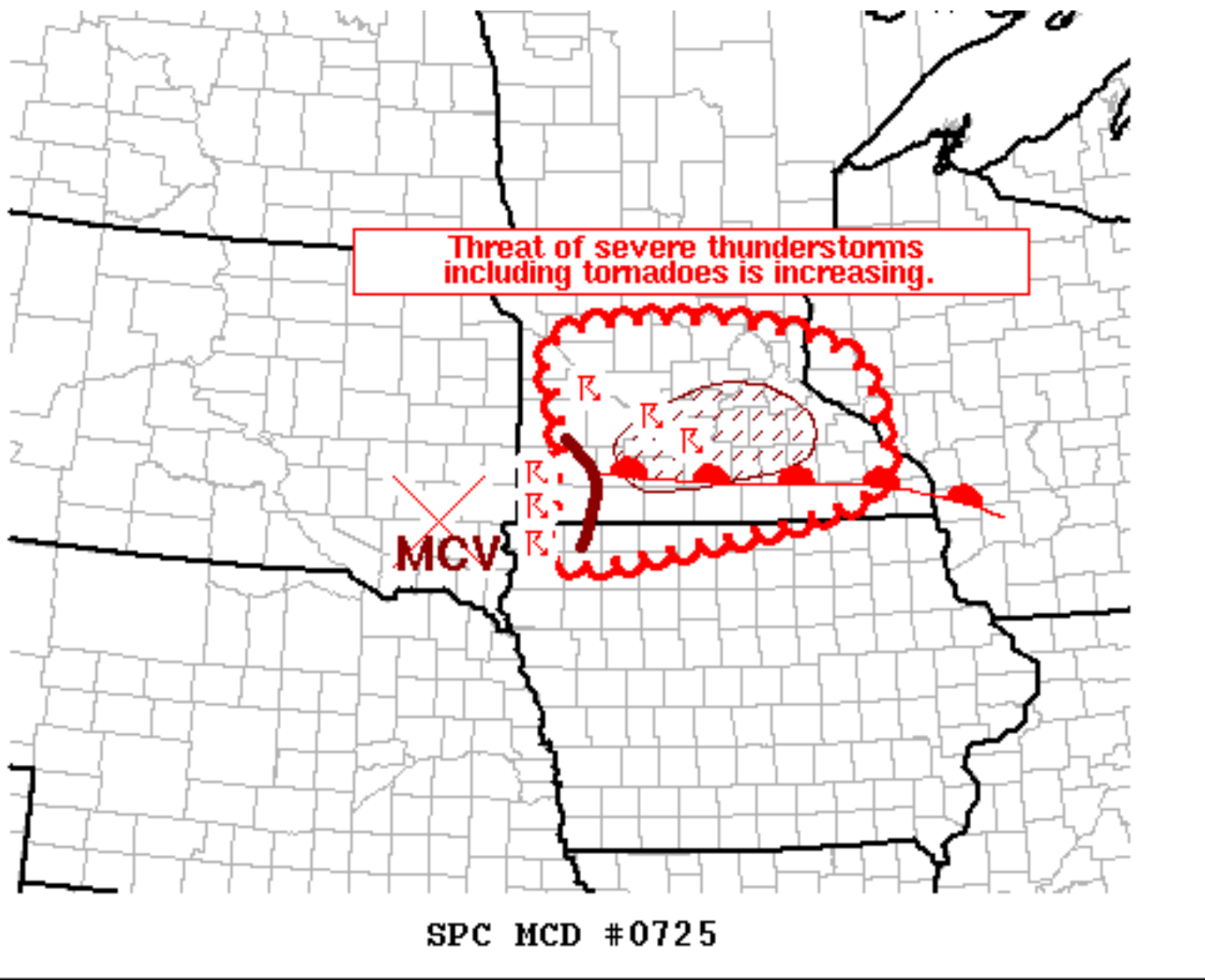
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Mesoscale Discussion 725

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Mesoscale Discussion 0725
 NWS Storm Prediction Center Norman OK
 0550 PM CDT Wed May 11 2022

Areas affected...Southern Minnesota...Northern Iowa

Concerning...Tornado Watch [202](#)...[203](#)...

Valid 112250Z - 120015Z

The severe weather threat for Tornado Watch 202, 203 continues.

SUMMARY...The threat of severe thunderstorms including tornadoes appears to be increasing across southern Minnesota and northern Iowa.

DISCUSSION...Latest surface analysis continues to show a surface low associated with a well-defined MCV over southeast SD. A warm front extends eastward from the low along the MN/IA border. Relatively strong heating has been occurring along and north of the warm front over southern MN, where backed low-level winds and dewpoints in the upper 60s to lower 70s are resulting in a very favorable environment for supercell development. Recent CAM and WoFS solutions also indicate this potential. A compact low-level jet is expected to strengthen in the next few hours in this area as well, enhancing low-level shear and suggesting a heightened risk for a few tornadoes. Large hail and damaging winds would also be possible with storms along/north of the warm front.

Farther west, radar suggests a developing bowing complex over Murray/Cottonwood/Nobles/Jackson counties MN. This activity will likely accelerate eastward along the warm front during the next 2-3 hours, posing an enhanced risk of damaging wind gusts and transient QLCS spinups.

..Hart.. 05/11/2022

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

ATTN...WFO...ARX...MPX...DMX...FSD...

LAT...LON 45279567 45329389 45009227 44369190 43739206 43329424
 43169589 43849591 44509589 44969609 45279567

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