



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

City, St

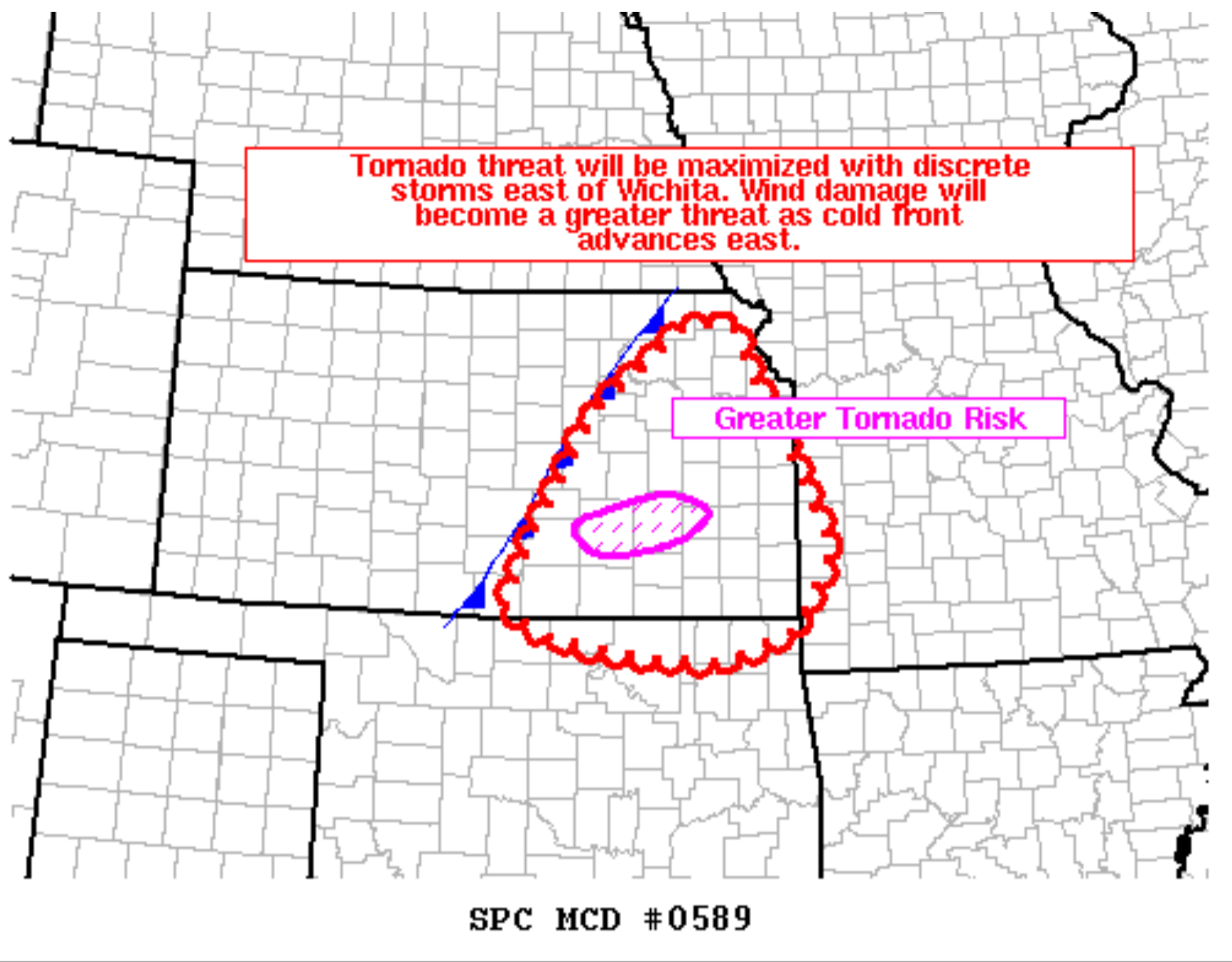


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Mesoscale Discussion 589

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Mesoscale Discussion 0589
 NWS Storm Prediction Center Norman OK
 0858 PM CDT Fri Apr 29 2022

Areas affected...Easter Kansas

Concerning...Tornado Watch [158](#)...

Valid 300158Z - 300400Z

The severe weather threat for Tornado Watch 158 continues.

SUMMARY...Wind damage is expected to become the primary risk with time as the cold front moves east. QLCS tornadoes will also remain possible. The greatest tornado risk in the short term will exist with discrete convection east of Wichita. A new watch south and east of these areas may be needed as the cold front moves into those areas.

DISCUSSION...Convection has increased along the advancing cold front in easter Kansas. KTWX and KICT radars continue to show several line-embedded circulations. A few reported tornadoes have occurred along the line in the last hour. With the downstream environment remaining favorably sheared at low-levels, some threat for QLCS tornadoes will continue this evening. However, the primary threat with the linear convection should be damaging winds.

Farther south, east of Wichita, two discrete supercells continue east-northeastward. One of these cells produced a tornado near Augusta, KS around 820 CDT and another near El Dorado around 847 CDT. These discrete storms will pose the greatest tornado threat over the next couple of hours. With time, the cold front will eventually undercut these storms. Again, damaging winds will become the primary threat as this occurs along with a secondary threat of QLCS tornadoes.

The expectation is for the convection along the cold front to build southwestward to some degree later this evening. This will place a few strong to severe storms into parts of north-central and northeast Oklahoma towards midnight. However, with capping increasing with southward extent, it is not clear how far south this activity will reach. Nevertheless, there is potential for a new watch to be issued that would include parts of northern Oklahoma and southwest Missouri.

..Wendt.. 04/30/2022

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

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 37659422 36889465 36619550 36649641 36719665 36809742
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