

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

Mesoscale Discussion 580

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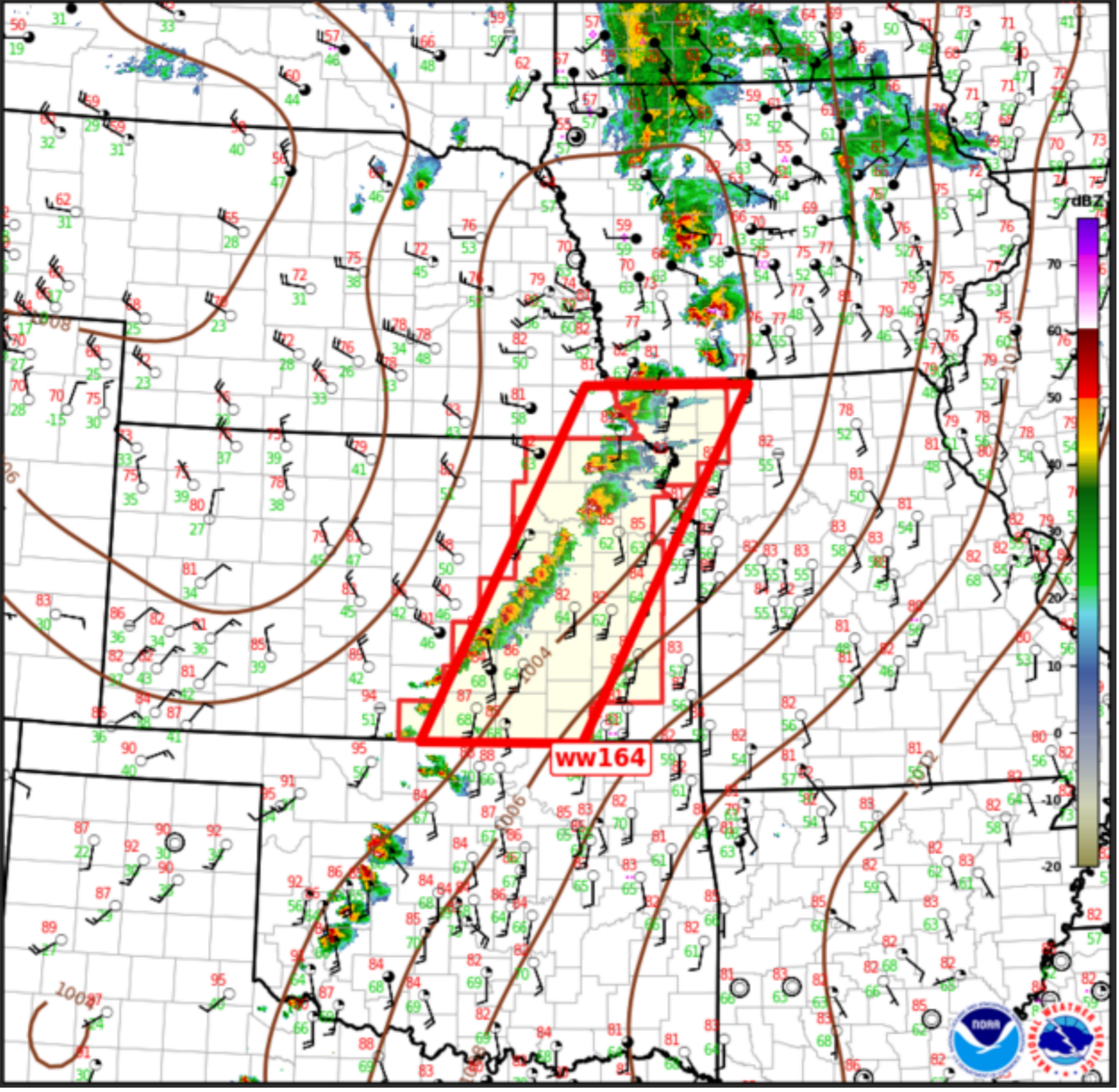
Mesoscale Discussion #580

Valid Until:
04/30/24 7:00 PM CDT

Concerning:
Tornado Watch #164

Fields Plotted

2228Z MRMS RALA
Latest Surface Observations
22Z Surface Pressure (mb; brown)



Mesoscale Discussion 0580
 NWS Storm Prediction Center Norman OK
 0530 PM CDT Tue Apr 30 2024

Areas affected...Central Plains

Concerning...Tornado Watch 164...

Valid 302230Z - 010000Z

The severe weather threat for Tornado Watch 164 continues.

SUMMARY...Severe threat will shift east across **ww164** this evening.
 New ww will likely be warranted downstream by 23z.

DISCUSSION...Southern influence of northern Plains short-wave trough appears to be affecting northeast KS into extreme northwest MO early this evening. Surface front is advancing east with this feature and currently arcs from western IA-southeast NE-central KS. Numerous robust updrafts/supercells have evolved along/ahead of this boundary and large hail appears to be common with most longer-lived updrafts. Additionally, a few tornadoes have been noted with two long-lived supercells over northeast KS. Latest VWP data ahead of this activity is quite strong with 0-3 SRH on the order of 300-400 m2/s2. Tornado threat continues, along with large hail as this activity propagates downstream.

..Darrow.. 04/30/2024

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

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