



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

City, St



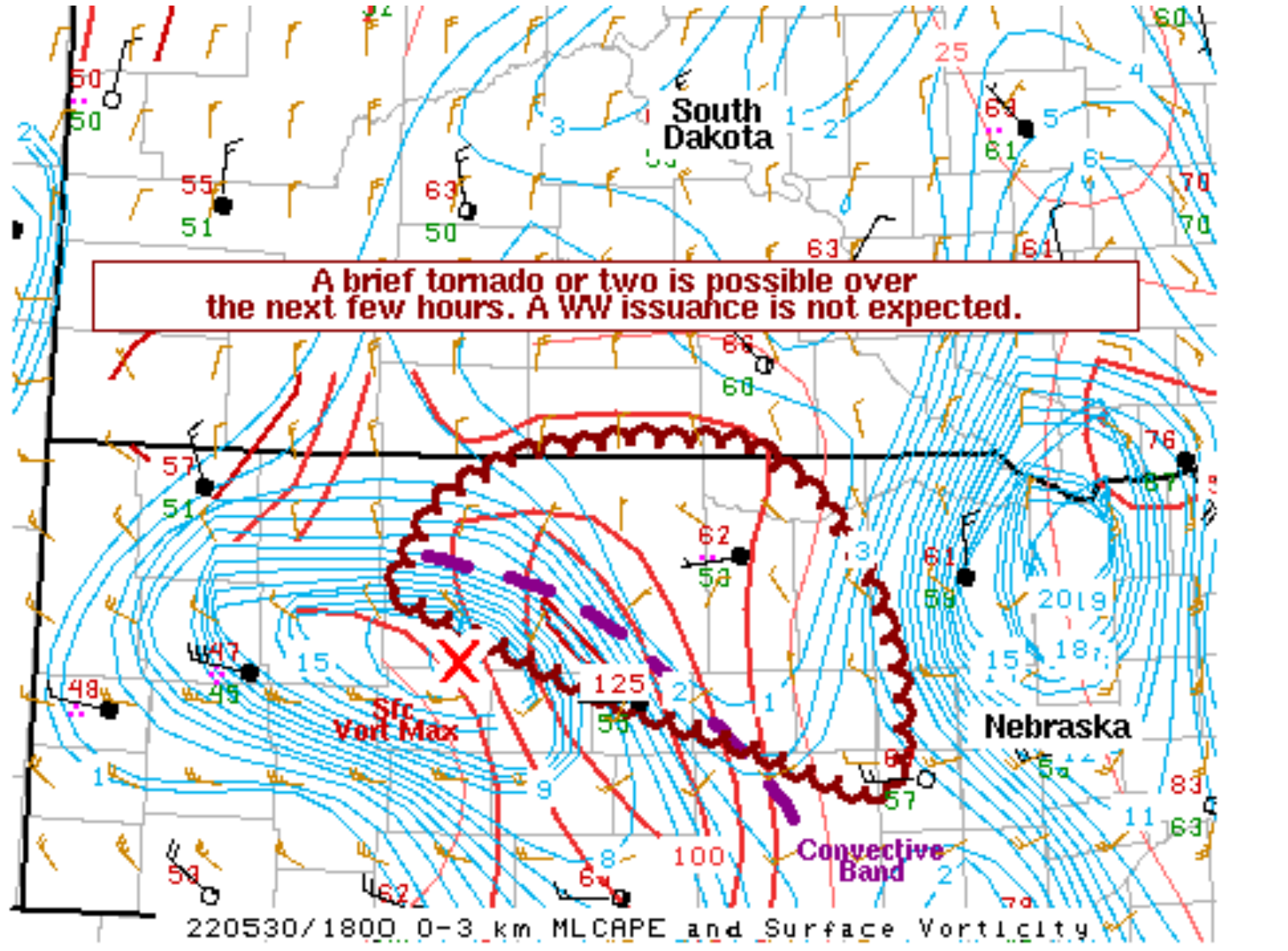
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Mesoscale Discussion 979

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SPC MCD #0979

Mesoscale Discussion 0979
 NWS Storm Prediction Center Norman OK
 0203 PM CDT Mon May 30 2022

Areas affected...portions of northwest into north-central Nebraska

Concerning...Severe potential...Watch unlikely

Valid 301903Z - 302030Z

Probability of Watch Issuance...5 percent

SUMMARY...A brief tornado is possible should a more robust storm become established immediately north of the surface low across northern Nebraska over the next couple of hours. A WW issuance is not likely since the tornado threat is expected to be brief and sparse.

DISCUSSION...The center of an 850 mb low is currently centered over northwestern Nebraska and continues to track north-northeast in tandem with a mid-level trough. An arcing band of strongly forced convection, extending from Cherry to Custer County, NE is tracking northeast within an ambient environment characterized by very high low-level vertical-oriented vorticity amid 100+ J/kg 0-3km CAPE. RAP forecasts valid in the next few hours depicts a northeast shift of this high-magnitude vertical vorticity, with additional diurnal heating boosting low-level CAPE further. As such, any convective cells that can materialize and intensify within this band may stretch the low-level vorticity to support brief tornado development over the next couple of hours. Given the brevity and isolated extent of the tornado potential, a WW issuance is unlikely.

..Squitieri.. 05/30/2022

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

ATTN...WFO...GID...LBF...UNR...

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 42389921 42029909 41649910 41549920 41769986 42000078
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