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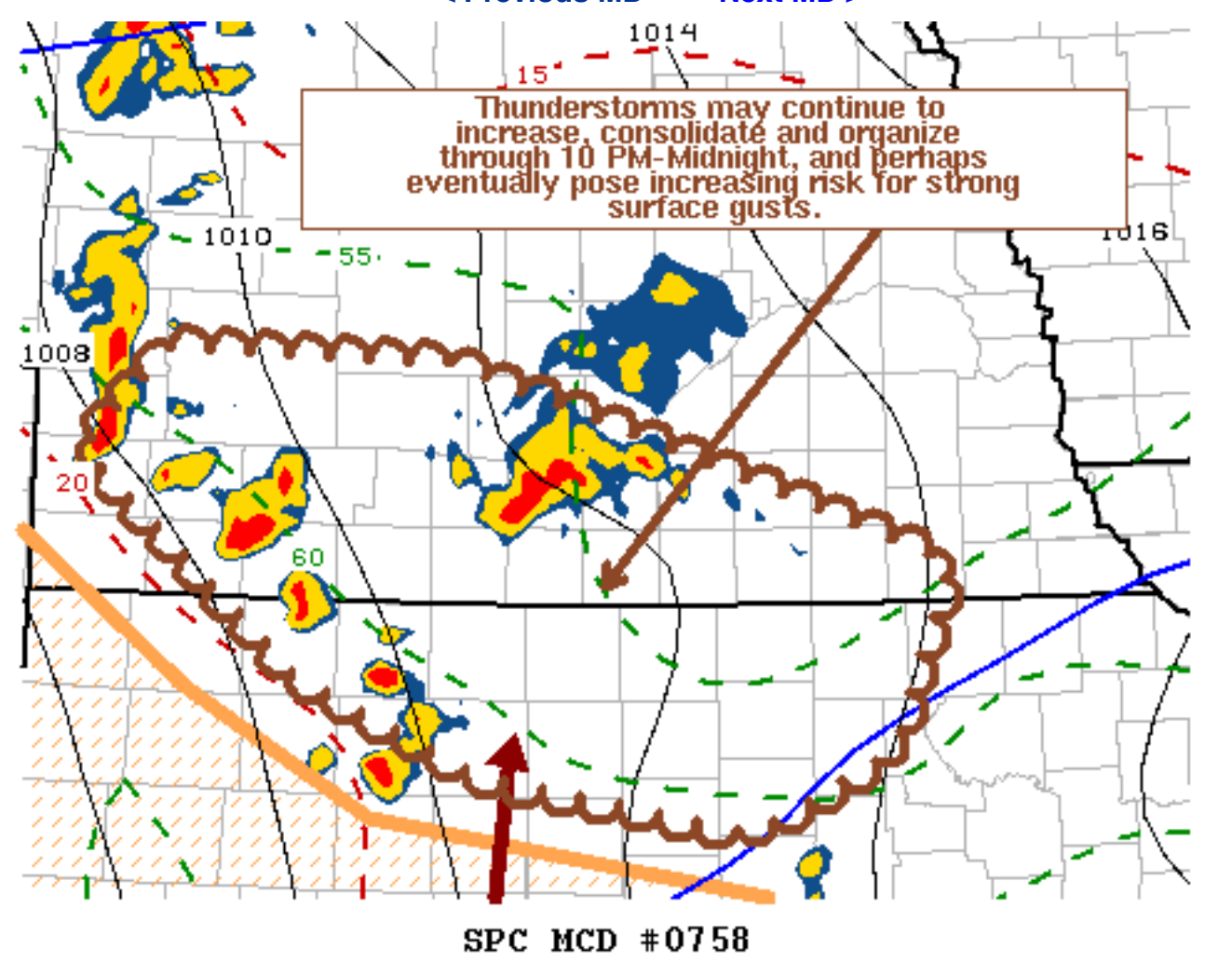
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Mesoscale Discussion 758

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Mesoscale Discussion 0758

NWS Storm Prediction Center Norman OK

0904 PM CDT Wed May 26 2021

Areas affected...Parts of southern Nebraska and northern Kansas

Concerning...Severe Thunderstorm Watch [212](#)...

Valid 270204Z - 270400Z

The severe weather threat for Severe Thunderstorm Watch 212 continues.

SUMMARY...Thunderstorm activity may gradually consolidate and organize while developing eastward across the region through 10 PM-Midnight CDT. Eventually, this may be accompanied by increasing risk for strong surface gusts, in addition to a continuing risk for large hail.

DISCUSSION...As a southerly low-level jet strengthens this evening, thunderstorm development continues to increase within stronger lower/mid tropospheric warm advection. This is generally focused along the northeastern periphery of the plume of warmer elevated mixed-layer air emanating from the southern Rockies (which appears roughly delineated by 8-10 C around 700 mb), as mid-level troughing continues to slowly progress east of the northern Rockies.

A gradual consolidation of convection appears possible through 03-05Z, roughly centered near the Kansas/Nebraska border area, where inflow of moist air characterized by moderate to large CAPE (1500-3000 J/kg) probably will maintain vigorous intensities. Although this may be mostly rooted above a drier/more stable boundary layer, in the presence of strong shear within the convective layer, potential exists for convection to gradually organize, and eventually pose increasing risk for strong surface gusts.

..Kerr.. 05/27/2021

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

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