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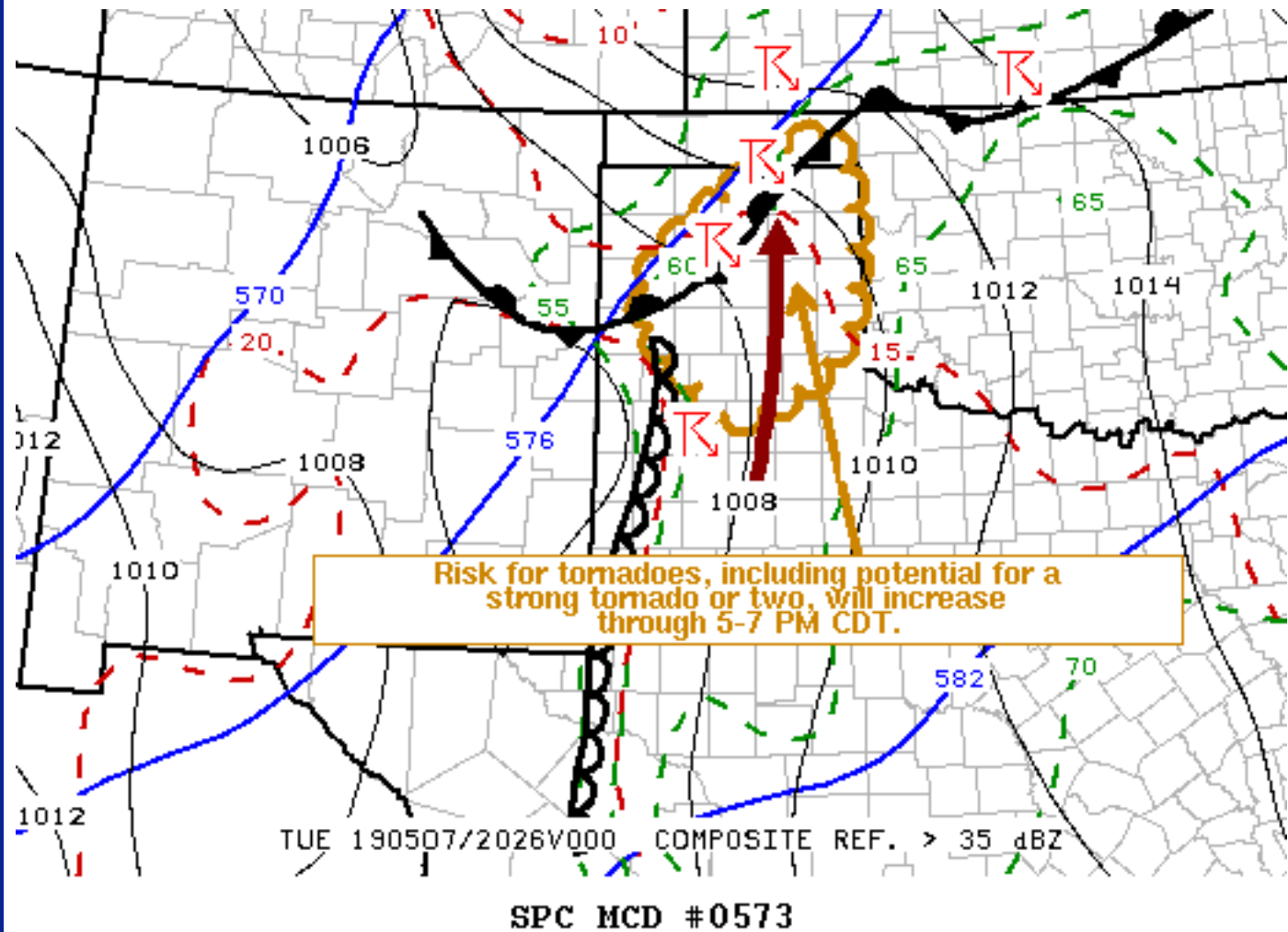
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Mesoscale Discussion 573

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Mesoscale Discussion 0573

NWS Storm Prediction Center Norman OK

0341 PM CDT Tue May 07 2019

Areas affected...Texas Panhandle

Concerning...Tornado Watch 144...

Valid 072041Z - 072215Z

The severe weather threat for Tornado Watch 144 continues.

SUMMARY...Tornadic potential, particularly in discrete supercell storms, appears likely to increase through 5-7 PM CDT across the Texas Panhandle, including the Amarillo metropolitan area. A strong tornado or two is possible.

DISCUSSION...As a closed mid-level low continues to turn east-northeastward into the southern Rockies, the exit region of an associated cyclonic mid/upper jet appears likely to overspread the region through early evening, in the wake of a initial perturbation



now migrating into the central High Plains. Strengthening upper divergence will enhance ongoing thunderstorm development, which should continue to intensify in the presence of moderate boundary layer instability (CAPE in excess of 2000 J/kg) and strong deep layer shear.

20Z surface data indicate 2-hourly surface pressure falls are in the process of strengthening across much of the south central High Plains, including the Texas Panhandle region. As low-level wind fields continue to respond, enlarging low-level hodographs are expected to become increasingly conducive to potential for tornadoes through 22-00Z, particularly in association with any continuing or new supercell development.

..Kerr.. 05/07/2019

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

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