

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

City, St Go



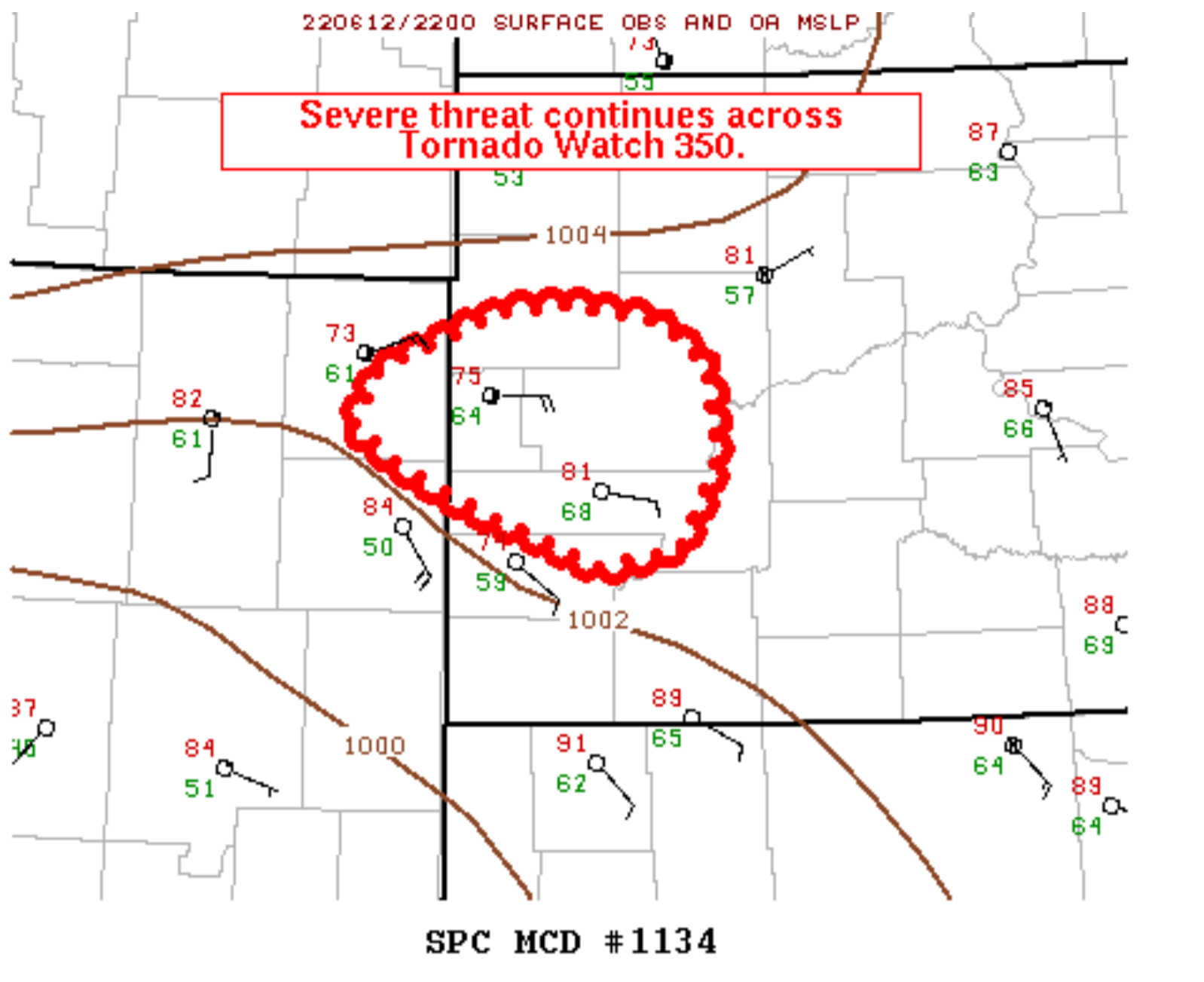
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Mesoscale Discussion 1134

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Mesoscale Discussion 1134
 NWS Storm Prediction Center Norman OK
 0625 PM CDT Sun Jun 12 2022

Areas affected...Parts of western SD and far northeastern WY

Concerning...Tornado Watch 350...

Valid 122325Z - 130100Z

The severe weather threat for Tornado Watch 350 continues.

SUMMARY...The severe risk will continue spreading eastward across parts of Tornado Watch 350. Very large hail and damaging gusts are the main concerns in the near-term, though the tornado risk could gradually increase as well.

DISCUSSION...KUDX radar data shows an upscale-growing convective cluster tracking east-southeastward along a surface frontal boundary from northeastern WY into western SD. Along and south of the boundary, dewpoints continue to increase into the upper 60s beneath steep midlevel lapse rates -- contributing to moderate to strong instability.

Given that storm motions and deep-layer shear is oriented largely parallel to the surface boundary, cold pools may continue to congeal amid the favorable buoyancy/minimal CINH. This would primarily favor damaging gusts and sporadic large to very large hail in the near-term. However, increasing low/midlevel warm advection atop strengthening easterly low-level flow will result in an expanding low-level hodograph with time, potentially favoring supercellular modes and an increasing tornado risk.

..Weinman.. 06/12/2022

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

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