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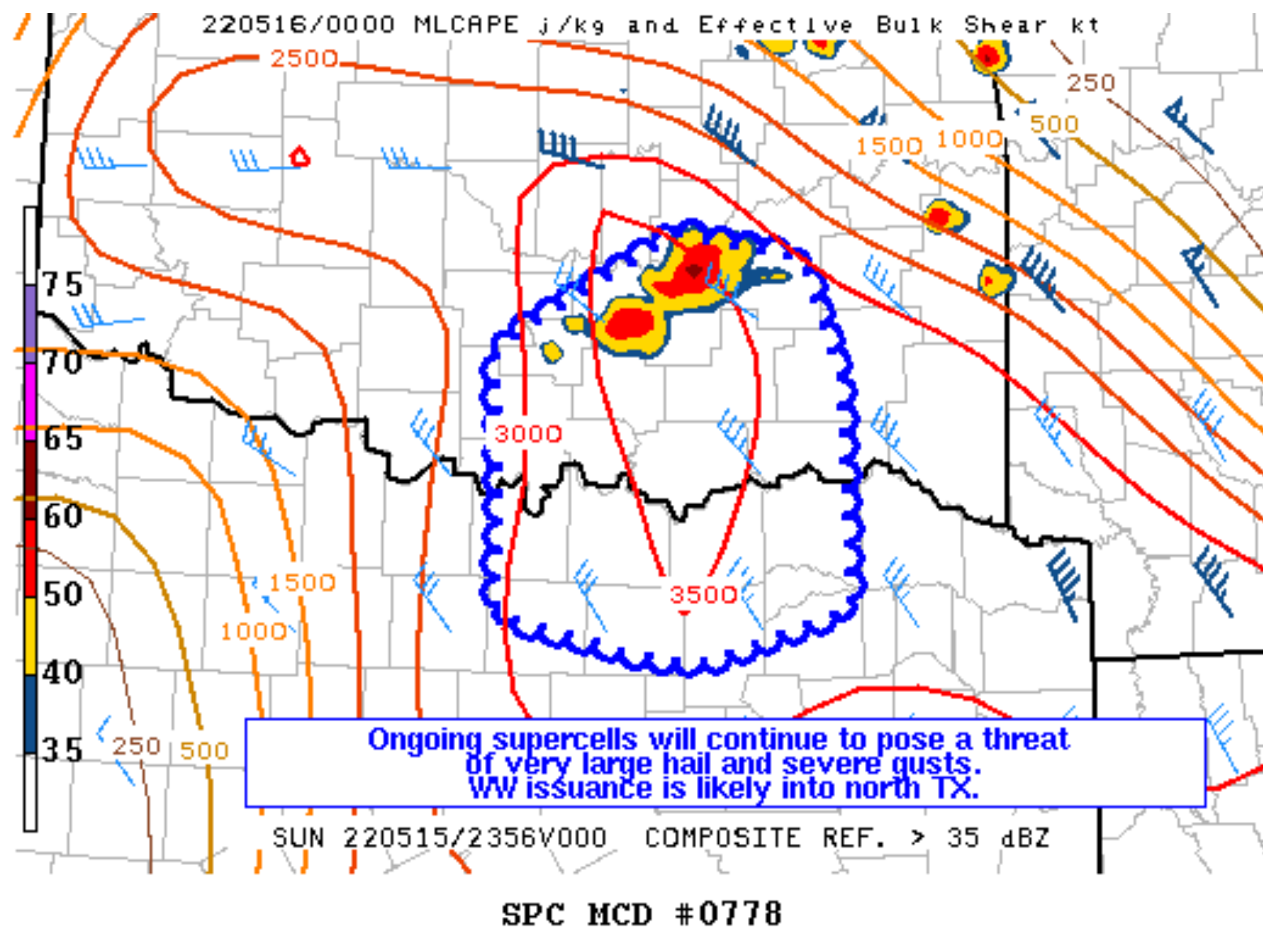
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Mesoscale Discussion 778

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Mesoscale Discussion 0778
NWS Storm Prediction Center Norman OK
0715 PM CDT Sun May 15 2022

Areas affected...South-central/southeast OK into north TX

Concerning...Severe Thunderstorm Watch 221...

Valid 160015Z - 160145Z

The severe weather threat for Severe Thunderstorm Watch 221 continues.

SUMMARY...Ongoing supercells will continue to pose a threat of very large hail, with a damaging wind threat potentially increasing across southeast OK and spreading into north TX. New watch issuance is likely into north TX.

DISCUSSION...Multiple cell mergers have occurred with the supercell that earlier produced giant hail across east-central OK, with additional development noted southwestward into south-central OK. Strong instability (MLCAPE > 3000 J/kg) and effective shear of 40+ kt will continue to support organized storms, and very large hail will remain possible this evening with any sustained discrete supercells. Severe wind gusts will also be possible, with a 68 mph gust recently noted at a OK Mesonet site in Hughes County.

Ongoing cell mergers may result in an upscale growing cluster, which will likely move southward into parts of north TX, with a continued hail and damaging wind threat through this evening. Watch issuance is likely downstream into parts of north TX in order to cover this threat.

..Dean/Hart.. 05/16/2022

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

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