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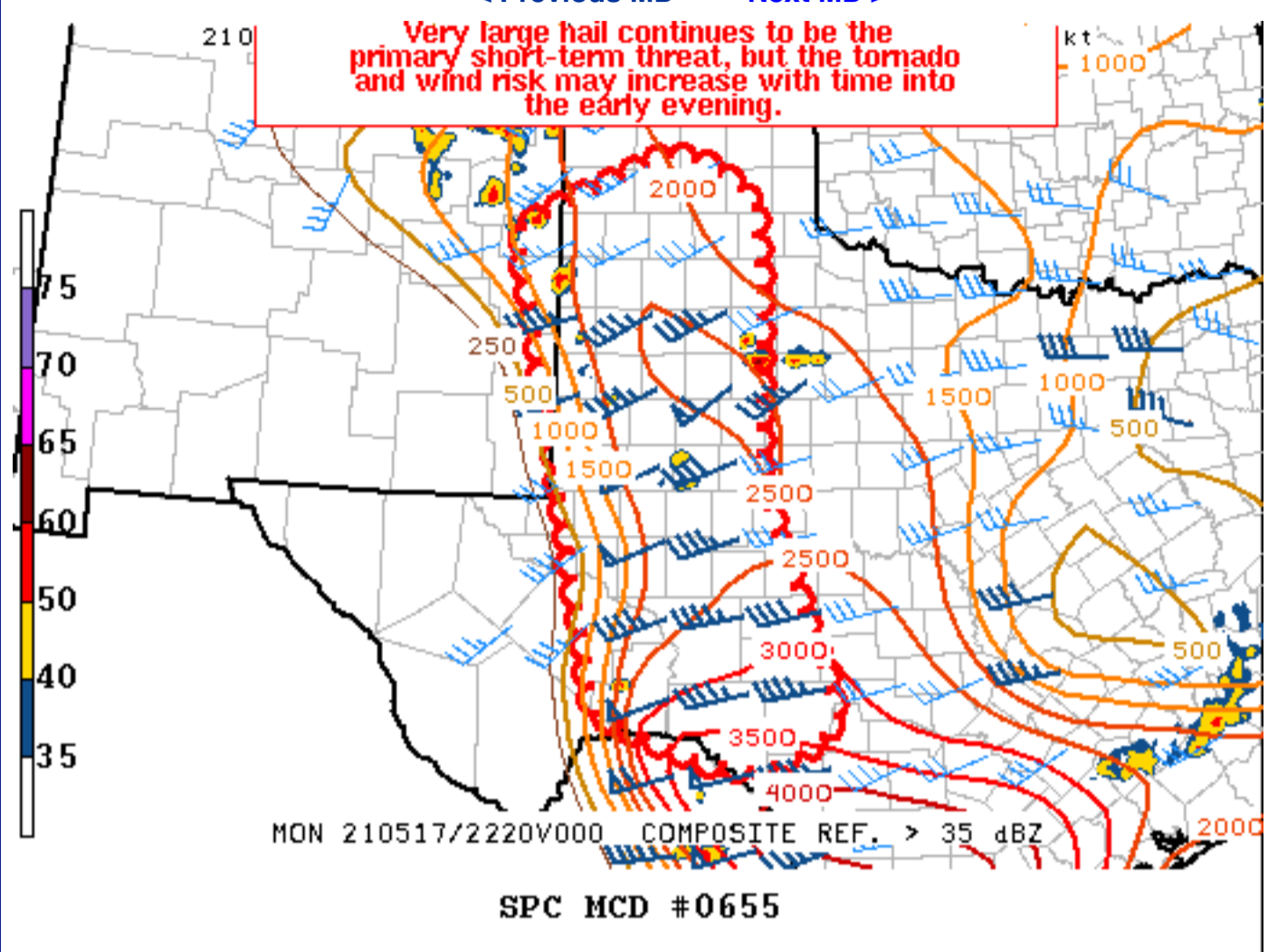
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Mesoscale Discussion 655

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Very large hail continues to be the primary short-term threat, but the tornado and wind risk may increase with time into the early evening.



Mesoscale Discussion 0655
 NWS Storm Prediction Center Norman OK
 0536 PM CDT Mon May 17 2021

Areas affected...TX Panhandle into Southwest TX...Far eastern NM

Concerning...Tornado Watch 182...

Valid 172236Z - 180000Z

The severe weather threat for Tornado Watch 182 continues.

SUMMARY...Supercells with very large hail will be the primary threat in the short term, but the tornado and damaging wind threat will likely increase some into the early evening.

DISCUSSION...Scattered supercells are ongoing at 2230Z from far east-central NM into southwest TX. With little to no MLCINH remaining and moderate-to-strong instability in place (MLCAPE of 2000-3000 J/kg), continued storm development and intensification is expected through 00Z. Very large hail (potentially larger than baseballs) will be the primary short-term threat, given effective shear of 40-50 kt and very steep midlevel lapse rates (as noted on 18Z AMA and MAF and 20Z DRT soundings).

Low-level flow/shear is expected to increase somewhat into this evening. As this occurs, the tornado threat may increase with any remaining discrete supercells. The increasing low-level jet may also eventually support some upscale growth with time, which would lead to an increase in the severe wind threat. Isolated significant wind gusts (65+ kt) cannot be ruled out, especially across the central and southern portion of WW 182 where greater boundary-layer heating/mixing has occurred this afternoon.

..Dean.. 05/17/2021

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

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