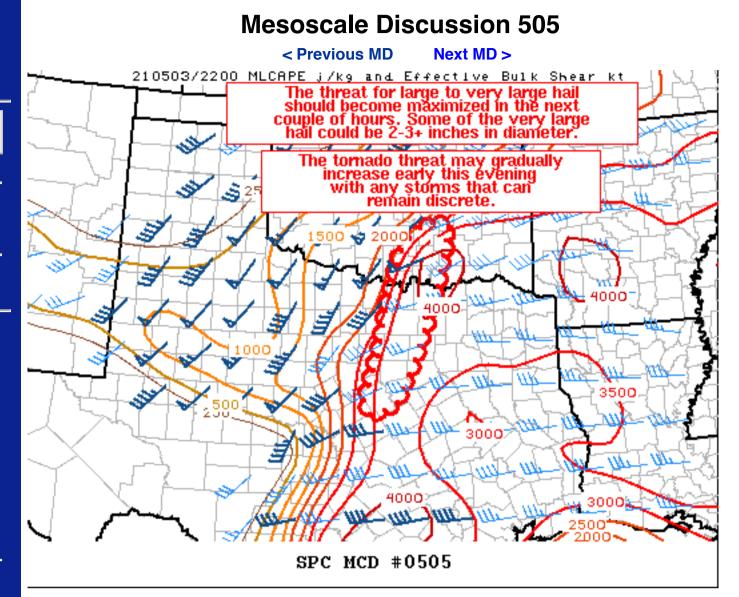
Storm Prediction Center



News

Organization



Mesoscale Discussion 0505 NWS Storm Prediction Center Norman OK 0555 PM CDT Mon May 03 2021

Areas affected...Portions of north-central TX into southern OK

Concerning...Tornado Watch 133...

Valid 032255Z - 040030Z

The severe weather threat for Tornado Watch 133 continues.

SUMMARY...The threat for large to very large hail should become maximized in the next couple of hours. Some of the very large hail could be 2-3+ inches in diameter. The tornado threat may gradually increase early this evening with any storms that remain discrete.

DISCUSSION...Convection has erupted over the past hour or two along a composite cold front/dryline. Numerous instances of 1-1.75 inch hail have been reported with this activity. The airmass downstream of these severe storms remains strongly unstable, with MLCAPE of 2500-4000 J/kg present. There have been some storm mergers and interactions along the surface boundary so far, and if this trends continues it could limit the very large hail threat to some extent. Still, given the presence of very steep mid-level lapse rates (8.6 C/km in the 700-500 mb layer) per the 19Z observed sounding from FWD and enhanced flow at mid/upper levels, any supercell that can turn right and move off the boundary will have the potential to produce 2-3+ inch hail over the next couple of hours. Otherwise, the tornado threat may gradually increase through the early evening with any cell that can remain discrete, even though the low-level flow is not forecast to become overly strong.

..Gleason.. 05/03/2021

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

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