



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

City, St

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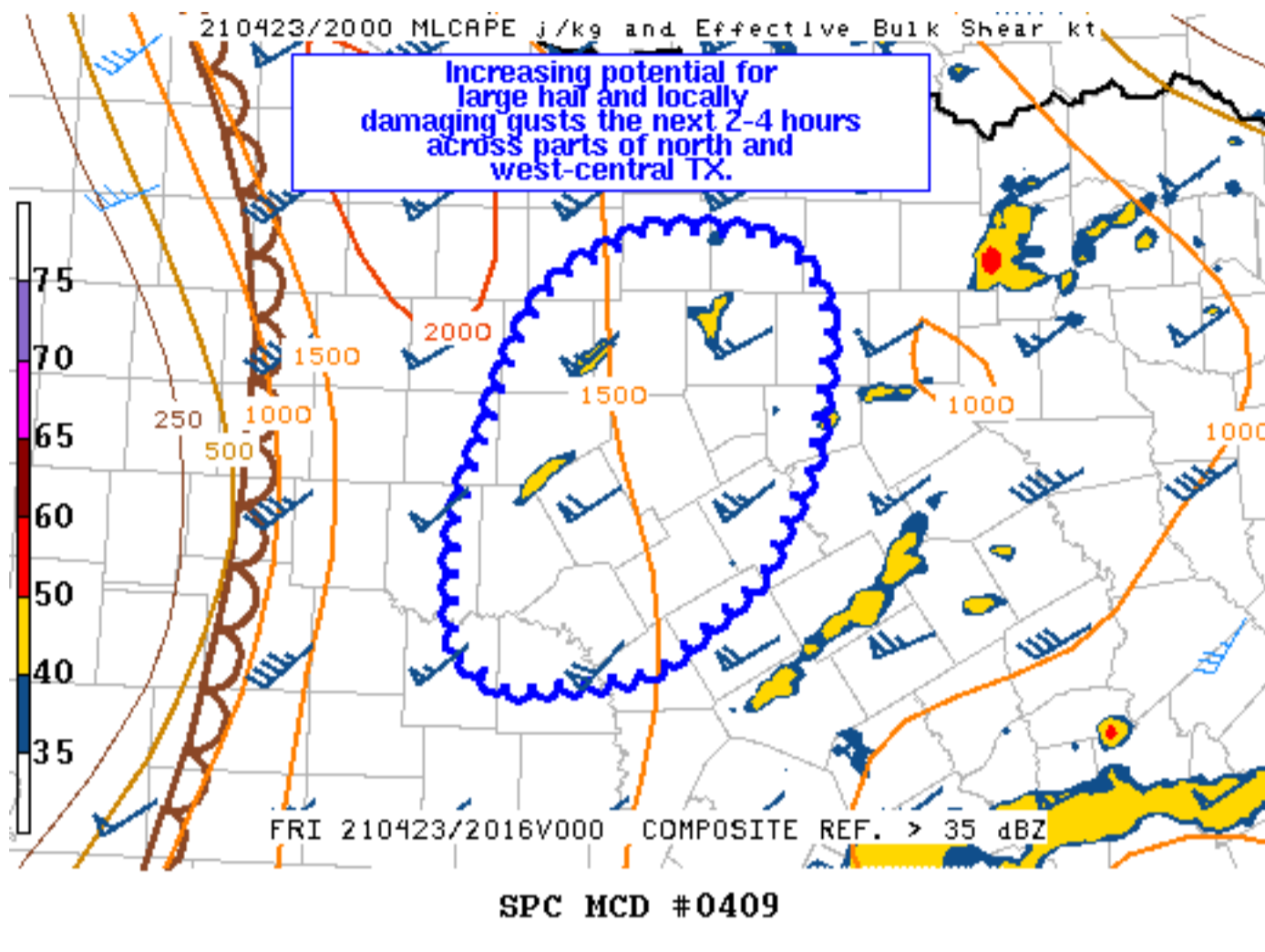
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Mesoscale Discussion 409

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Mesoscale Discussion 0409
 NWS Storm Prediction Center Norman OK
 0328 PM CDT Fri Apr 23 2021

Areas affected...portions of west-central and north Texas

Concerning...Severe Thunderstorm Watch 98...

Valid 232028Z - 232230Z

The severe weather threat for Severe Thunderstorm Watch 98 continues.

SUMMARY...A few intense cells are possible the next 2-4 hours across parts of northern/west-central Texas. Large hail and damaging gusts are the main hazards expected with this activity.

DISCUSSION...Additional thunderstorms are develop and/or strengthening just ahead of the eastward-advancing dryline this afternoon. This activity is moving into an airmass that has seen less thunderstorm activity early in the day compared to areas to the east and south, and where dewpoints have climbed into the mid to upper 60s. Increasing low level moisture beneath midlevel lapse rates around 7.5-8.5 C/km is resulting in 1500-2000 J/kg MLCAPE, supporting storm intensification. Furthermore, regional VWP data suggest shear profiles have continued to improve/strengthen which should allow for some better-organized cells. 20z experimental Warn-on-Forecast ensemble guidance also indicates a few intense cells are possible across the MCD area, including western portions of the Fort Worth metro area, over the next 2-4 hours, potentially producing large hail and damaging gusts.

..Leitman.. 04/23/2021

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

ATTN...WFO...FWD...SJT...

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