



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

City, St



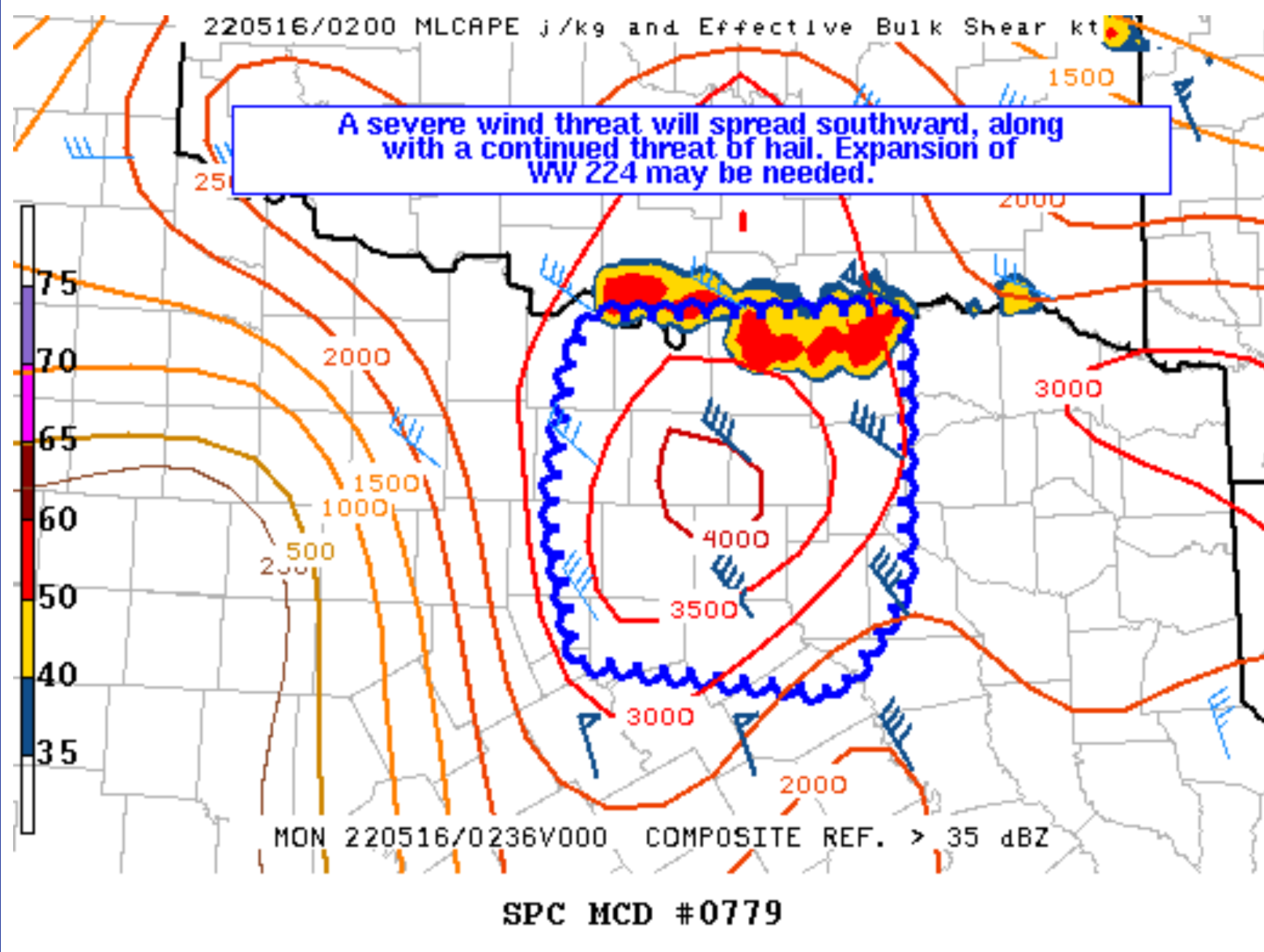
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Mesoscale Discussion 779

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Mesoscale Discussion 0779
 NWS Storm Prediction Center Norman OK
 0950 PM CDT Sun May 15 2022

Areas affected...Parts of north TX

Concerning...Severe Thunderstorm Watch [224](#)...

Valid 160250Z - 160415Z

The severe weather threat for Severe Thunderstorm Watch 224 continues.

SUMMARY...Hail and one or more swaths of severe wind gusts may accompany an intense thunderstorm cluster as it moves southward across north Texas. Southward expansion of [WW 224](#) may be needed.

DISCUSSION...An intense supercell cluster is moving into north TX at 0245Z. Strong buoyancy (MLCAPE > 3000 J/kg) and sufficient effective shear (30-40 kt) (noted on the 00Z FWD sounding and recent objective mesoanalyses), combined with an increasing southerly low-level jet noted on the KFWS VWP, will continue to support this cluster as it moves southward, though increasing MLCINH should eventually lead to a weakening trend later tonight.

Large hail remains possible with the stronger embedded cells. However, some southward acceleration of the cluster has been noted in the last hour, potentially indicative of a strengthening cold pool, and wind gusts to 70 mph were noted across southern OK with the passage of this cluster. One or more swaths of severe wind gusts will be possible as this cluster spreads southward, potentially reaching the Metroplex by 0330-0400Z. Southward expansion of the watch may be required within the next hour.

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

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

ATTN...WFO...FWD...OUN...

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