

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

Mesoscale Discussion 1136
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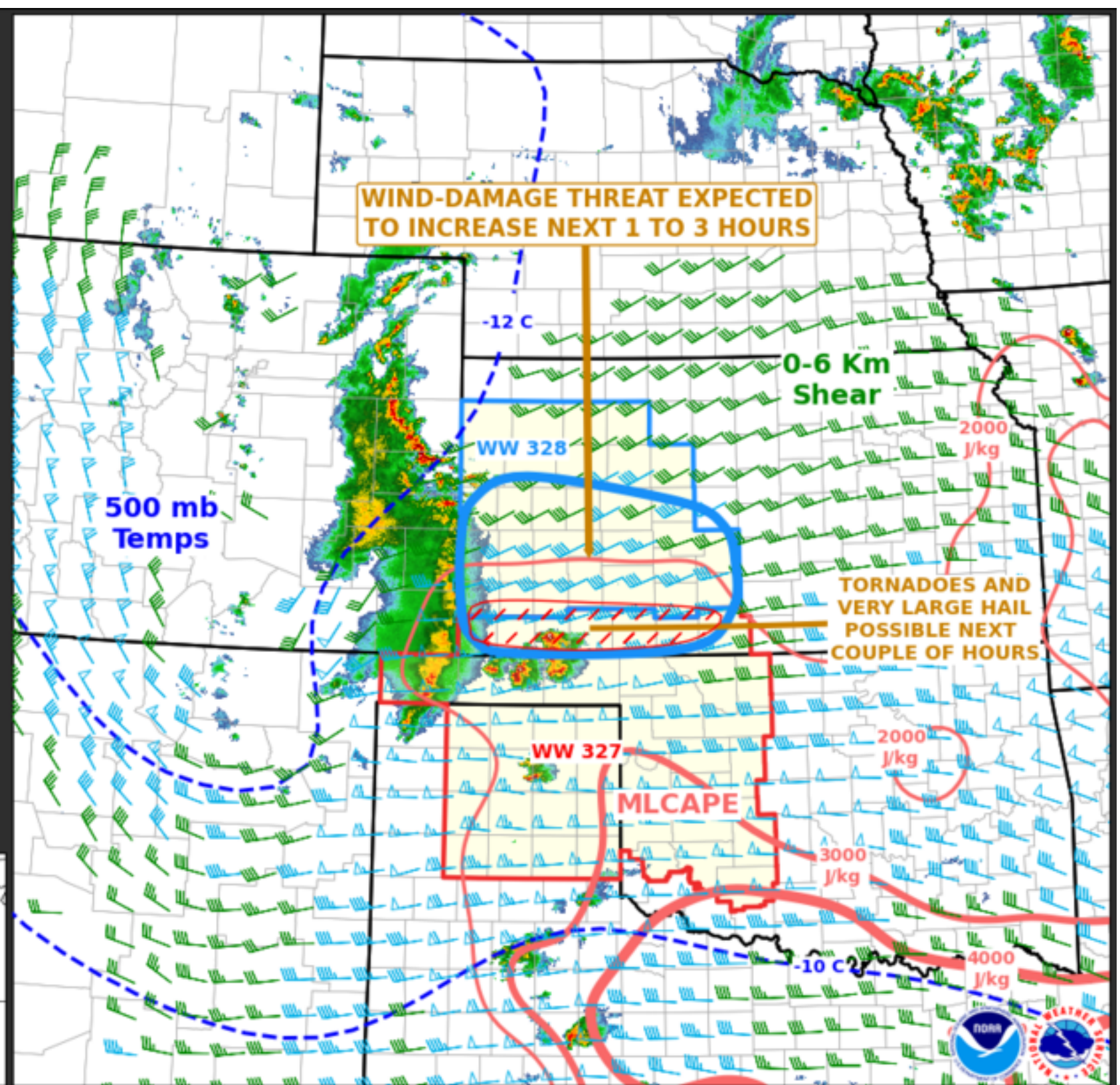
Mesoscale Discussion #1136

Valid Until:
06/17/23 8:00 PM CDT

Concerning:
Severe Thunderstorm Watches #327, #328

Fields Plotted

2256Z MRMS RALA
22Z MLCAPE (J/kg; coral)
0-6 km shear (kts)
500 mb Temperature (C; blue)



Mesoscale Discussion 1136
 NWS Storm Prediction Center Norman OK
 0559 PM CDT Sat Jun 17 2023

Areas affected...Western and Central Kansas

Concerning...Severe Thunderstorm Watch 327...328...

Valid 172259Z - 180100Z

The severe weather threat for Severe Thunderstorm Watch 327, 328 continues.

SUMMARY...The wind-damage threat is expected to increase over the next few hours across western Kansas. Wind gusts above 70 knots will be possible. A tornado threat is also expected over southwest Kansas towards the Oklahoma state-line.

DISCUSSION...The latest radar imagery from Dodge City shows a linear MCS in far eastern Colorado, with discrete supercells located ahead of the line from the Oklahoma Panhandle into far southwest Kansas. A vorticity maxima, evident on water vapor imagery, is providing strong large-scale ascent favorable for continued MCS development. The environment in this area is characterized by moderate instability, 40 knots of deep-layer shear and 700-500 mb lapse rates near 8 C/km. The line will begin to accelerate eastward into the stronger instability across western Kansas over the next few hours, where wind gusts above 70 knots will be possible along and just ahead of the more intense parts of the line. A tornado threat will likely develop with more isolated supercells ahead of the line that move into southwest Kansas from the Oklahoma Panhandle. These supercells may also produce hailstones of greater than 2 inches in diameter.

..Broyles.. 06/17/2023

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

ATTN...WFO...ICT...DDC...GLD...

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