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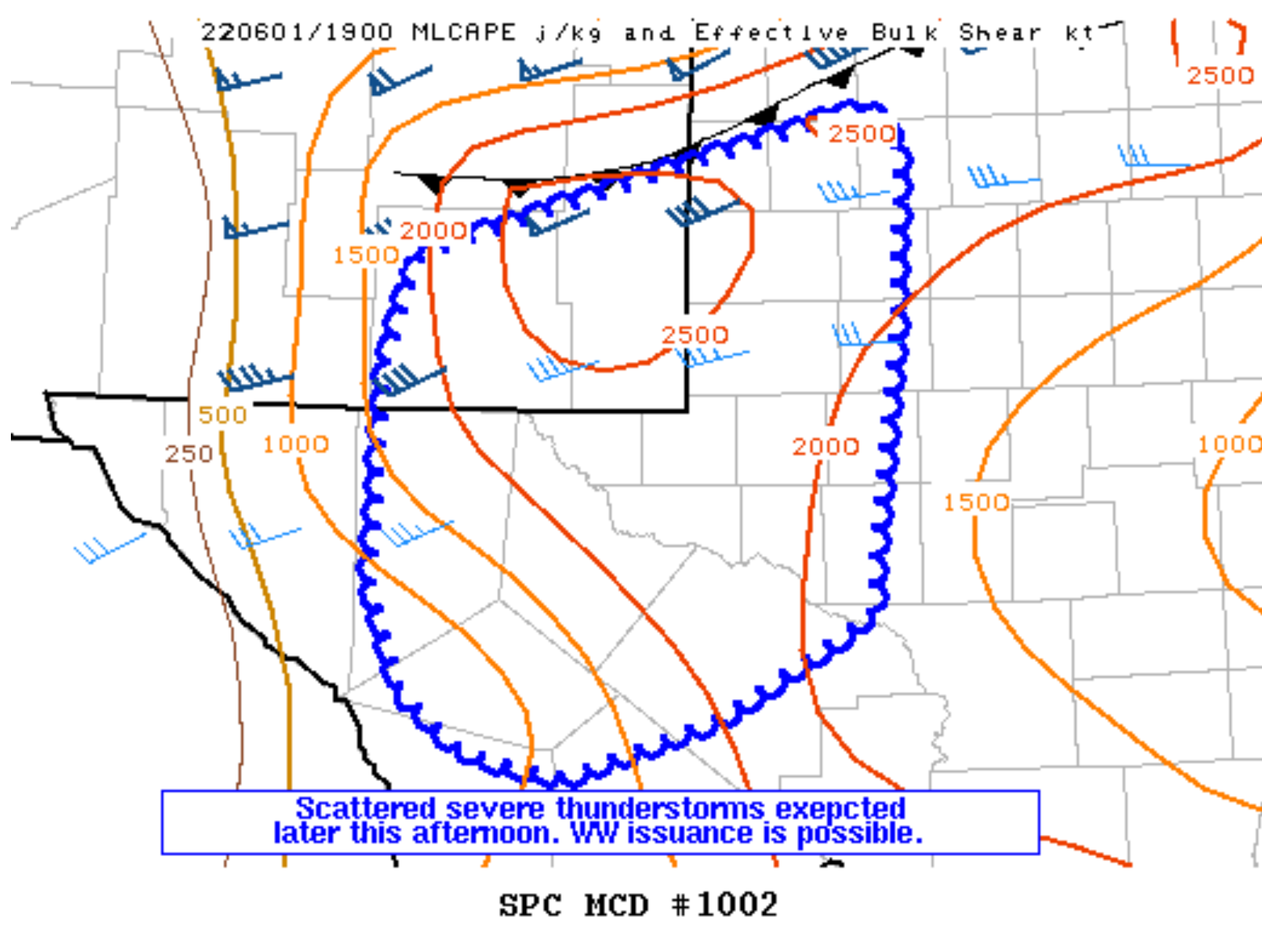
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  - Fire Wx Outlooks
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  - E-Mail Alerts
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  - Storm Reports
  - Storm Reports Dev.
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## Mesoscale Discussion 1002

< Previous MD    Next MD >



Mesoscale Discussion 1002  
NWS Storm Prediction Center Norman OK  
0228 PM CDT Wed Jun 01 2022

Areas affected...Southeast NM into west TX

Concerning...Severe potential...Watch possible

Valid 011928Z - 012100Z

Probability of Watch Issuance...60 percent

SUMMARY...Widely scattered severe thunderstorms are possible later this afternoon into this evening. Very large hail and locally severe wind gusts are expected to be the primary threats. Watch issuance is possible by 21Z.

DISCUSSION...Strong diurnal heating is underway from far southeast NM into west TX, south of an outflow-reinforced cold front approaching the area from the north. Cumulus is increasing across the higher terrain of the Trans-Pecos, with recent attempts at convective initiation north of Marfa, TX. Continued heating and erosion of MLCINH will result in scattered thunderstorm development this afternoon. Initial activity may be focused over the higher terrain of west TX and southeast NM, with additional development near the southward-moving boundary.

MLCAPE increasing into the 2000-3000 J/kg range and steep low/midlevel lapse rates will support vigorous updrafts as storms mature. While midlevel flow is rather weak, low-level southeasterly flow veering to southwesterly aloft will support effective shear of 30-35 kt, sufficient for organized storms and possibly a few supercells, given the strong instability. Very large hail is expected to be the initial primary threat, in addition to isolated downburst winds. Any sustained supercell may also pose a brief tornado risk, though relatively weak low-level flow will tend to limit this threat. Storm mergers may result in one or more clusters capable of producing outflow winds of 60-80 mph, though the lack of a substantial low-level jet will limit the potential for more organized upscale growth.

Watch issuance is possible by 21Z across some portion of the MCD area in order to cover these threats.

..Dean/Kerr.. 06/01/2022

...Please see [www.spc.noaa.gov](http://www.spc.noaa.gov) for graphic product...

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