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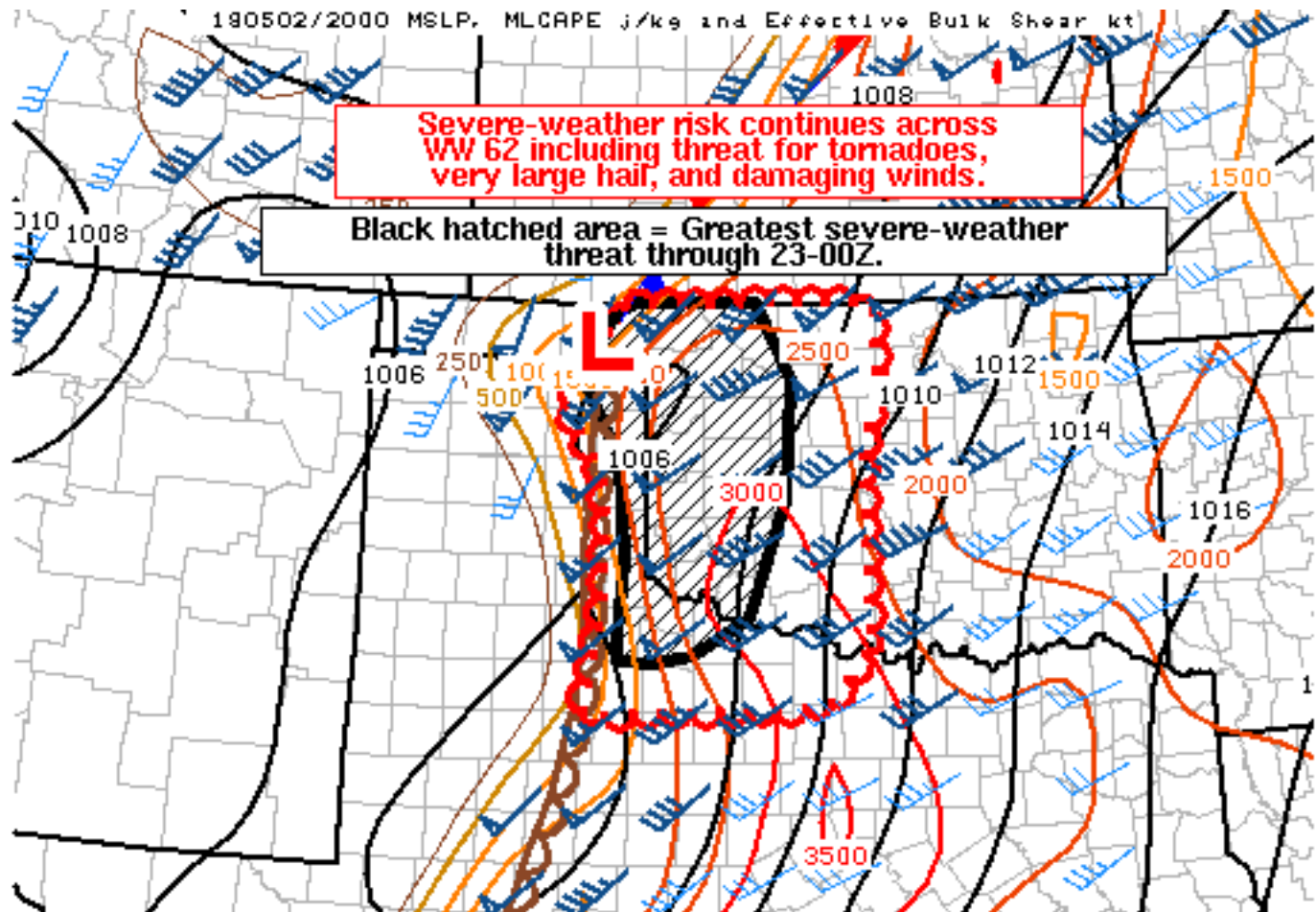
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Mesoscale Discussion 317

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SPC MCD #0317

Mesoscale Discussion 0317
 NWS Storm Prediction Center Norman OK
 0324 PM CDT Wed May 02 2018

Areas affected...Eastern TX/OK Panhandles and northwest TX into
western OK

Concerning...Tornado Watch 62...

Valid 022024Z - 022300Z

The severe weather threat for Tornado Watch 62 continues.

SUMMARY...Very large hail and an increasing threat for storms to
become tornadic exists across the eastern Texas/Oklahoma Panhandles
into northwest Texas and western Oklahoma into the early evening.

DISCUSSION...Mid-afternoon mosaic radar imagery indicated ongoing
discrete storm development near and east of a dryline which extended
south through far eastern TX Panhandle from an area of low pressure
in far northwest OK. These storms will continue to track to the



east-northeast into western OK this afternoon, with additional storm development likely in northwest TX in the southwest part of [WW 62](#). The CAPE/shear parameter space east of the dryline has become very conducive for storms to mature into supercells with the potential for tornadoes and very large hail. Special NSSL sounding at Elk City, OK at 1827Z indicated very strong instability (surface-based CAPE of 4000 J/kg and midlevel lapse rates near 8 C/km). In addition to strong effective bulk shear expected to remain oriented across the initiating boundary for discrete storms, the NSSL sounding showed effective inflow shear of 28 kt, with low-level hodograph curvature to support rotating updrafts.

..Peters.. 05/02/2018

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

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