



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

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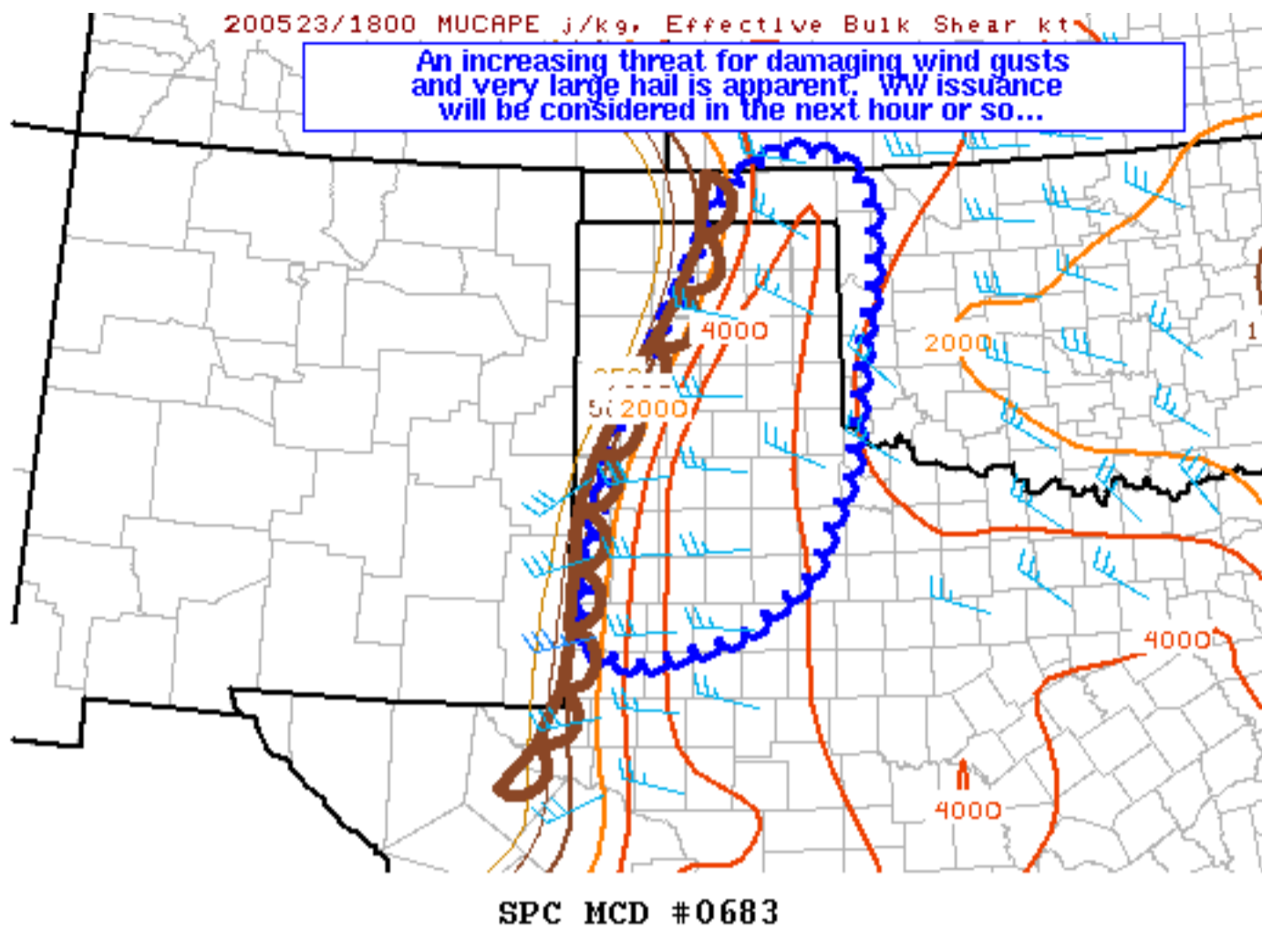


## Mesoscale Discussion 683

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200523/1800 MUCAPE j/kg, Effective Bulk Shear kt

An increasing threat for damaging wind gusts and very large hail is apparent. WW issuance will be considered in the next hour or so...



Mesoscale Discussion 0683  
NWS Storm Prediction Center Norman OK  
0218 PM CDT Sat May 23 2020

Areas affected...portions of the Texas South Plains and Oklahoma/Texas Panhandles

Concerning...Severe potential...Watch likely

Valid 231918Z - 232115Z

Probability of Watch Issuance...80 percent

SUMMARY...Storms are expected to develop along a sharpening dryline along the western part of the discussion area. Significant hail and damaging wind gusts are possible with any storm. A WW issuance is likely this afternoon.

DISCUSSION...Recent satellite imagery indicates an axis of towering cumulus along a dryline extending from near BGD south-southwestward to near the New Mexico/Texas border south of CVS. Point forecast soundings and objective analyses indicate that convective inhibition in the region has been removed, with steep lapse rates throughout the troposphere and 50s F dewpoints contributing to 2000-4000+ J/kg MUCAPE - highest just east of the dryline where surface dewpoints are slightly higher. Strong low-level flow - veering to southwesterly with height - should foster organized convective development with potential for significant hail and damaging wind gusts with any mature storm. An isolated tornado cannot be ruled out, though modest mid-level flow may mitigate this risk. Storms should form along the dryline and near the I-27 corridor in the next 1-2 hours and migrate northeastward, potentially evolving into a mix of linear segments and clusters through the afternoon.

Given the ongoing convective scenario, a Severe Thunderstorm Watch issuance is expected in the next 1-2 hours or so.

..Cook/Hart.. 05/23/2020

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

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