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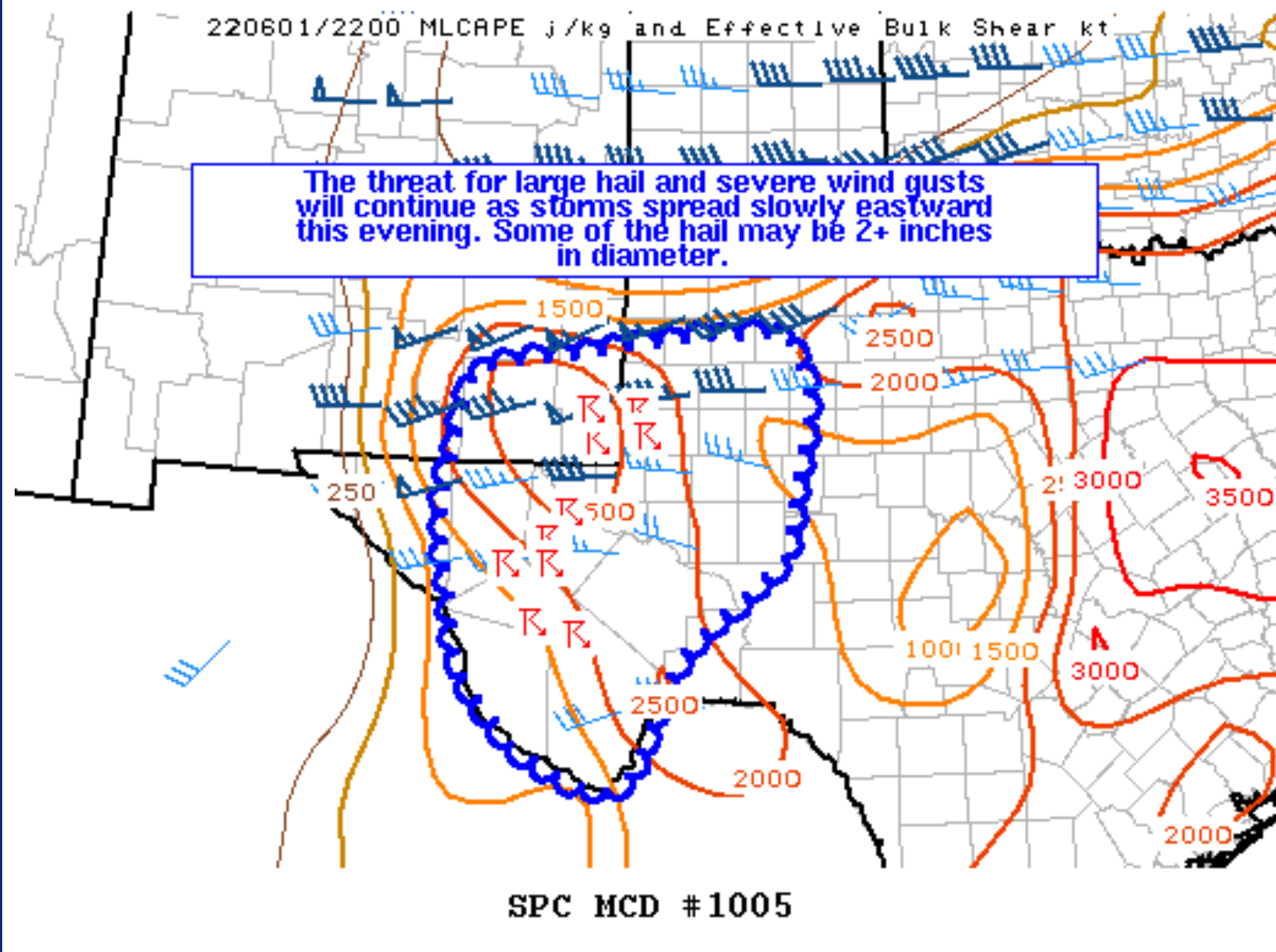
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Mesoscale Discussion 1005

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Mesoscale Discussion 1005
NWS Storm Prediction Center Norman OK
0518 PM CDT Wed Jun 01 2022

Areas affected...Portions of southeastern NM and west TX

Concerning...Severe Thunderstorm Watch 302...

Valid 012218Z - 012345Z

The severe weather threat for Severe Thunderstorm Watch 302 continues.

SUMMARY...The threat for large hail and severe wind gusts will continue as thunderstorms spread slowly eastward this evening. Some of the large hail may be 2+ inches in diameter.

DISCUSSION...Multiple supercells have formed over the past few hours in a low-level upslope flow regime across parts of far southeastern NM and west TX. The northern extent of the appreciable severe risk will be sharply limited by a cold front. Large hail should remain the primary threat with these supercells in the short term, as steep mid-level lapse rates noted on the 19Z sounding from MAF and 1500-2500 J/kg of MLCAPE support robust updrafts. Even though low-level flow remains weak at the moment, around 30-40 kt of deep-layer shear is expected to remain favorable for continued convective organization as these supercells move slowly eastward across parts of west TX this evening. Given the degree of buoyancy available and organized structures currently shown on radar, some of these supercells should be capable of producing very large hail of 2 to 3 inches in diameter. Some clustering/congealing of the ongoing activity may occur this evening as a southeasterly low-level jet modestly strengthens. If small clusters develop, then severe wind gusts would become increasingly probable, especially with a very well mixed boundary layer and large surface temperature/dewpoint spreads.

..Gleason.. 06/01/2022

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

ATTN...WFO...SJT...LUB...MAF...ABQ...EPZ...

LAT...LON	29380418	30050475	31340500	31830497	32870470	32990369
	33210217	33210118	32600097	31100127	30300232	29690268
	29160285	28940321	29170381	29380418		

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