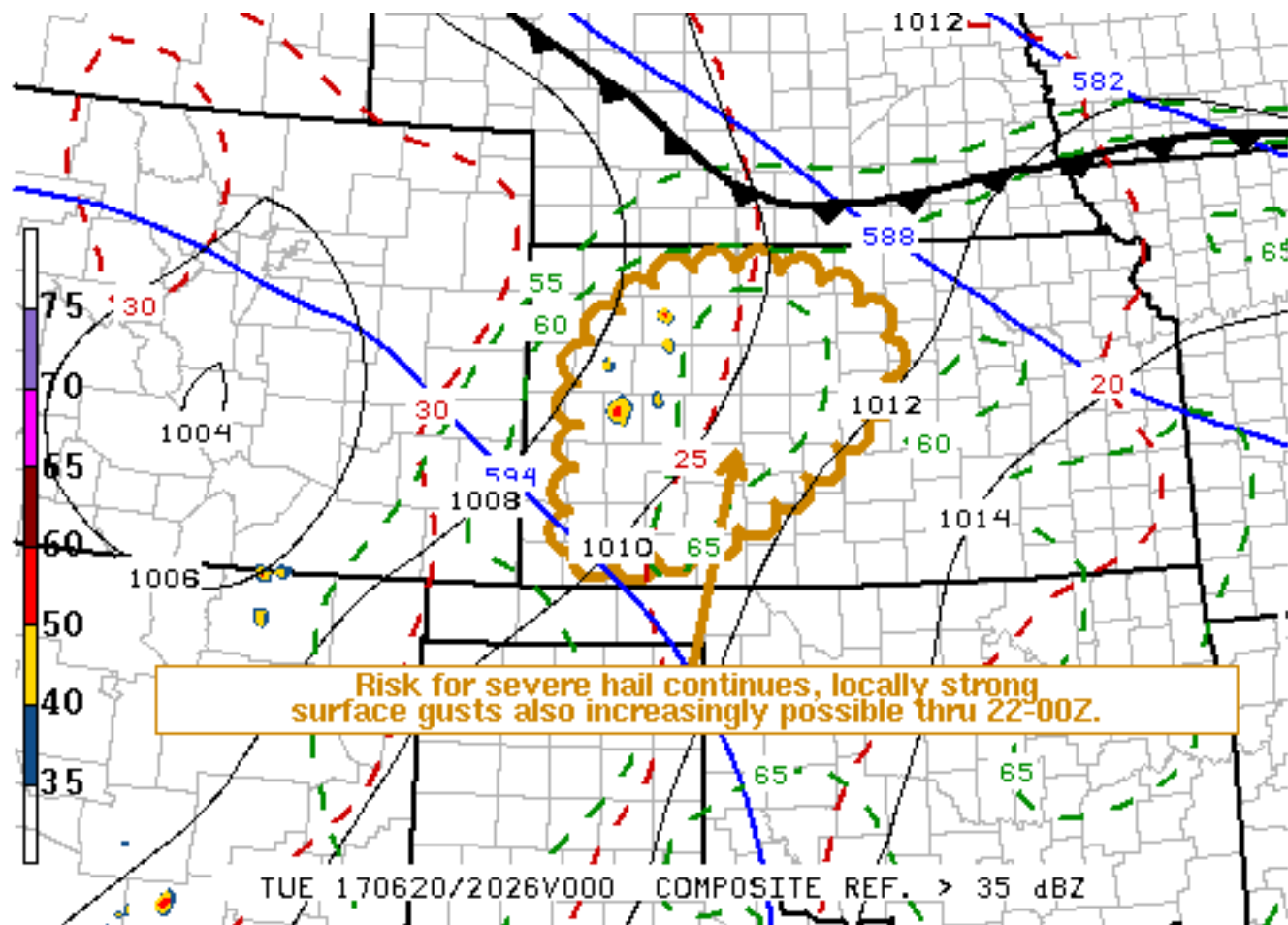



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## Mesoscale Discussion 1102

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**SPC MCD #1102**

Mesoscale Discussion 1102

NWS Storm Prediction Center Norman OK

0340 PM CDT Tue Jun 20 2017

Areas affected...Parts of western and central Kansas

 Concerning...Severe Thunderstorm Watch [357](#)...

Valid 202040Z - 202245Z

The severe weather threat for Severe Thunderstorm Watch 357 continues.

SUMMARY...Thunderstorm development accompanied by increasing risk for severe hail and wind expected across parts of western/central Kansas through early evening.

DISCUSSION...Vigorous convective development is now well underway, with storms beginning to increase in number near/west and southwest of the Hill City area. In the presence of large CAPE (on the order of 2000-3000 J/kg), strong vertical shear, and at least weak

lower/mid tropospheric warm advection, considerable further intensification and upscale convective growth appears possible through 22-00Z.

The risk for severe hail will persist in strongest cells, and locally strong downbursts are expected to become an increasing threat in the presence of the strongly heated (surface temps in the mid/upper 90s F) and deeply mixed boundary layer. Eventually, cold pool consolidation and strengthening may coincide with the evolution of an organized mesoscale convective system by this evening, which should tend to forward propagate eastward/southward, perhaps accompanied by an increasing areal risk for strong, potentially damaging wind gusts.

..Kerr.. 06/20/2017

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

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