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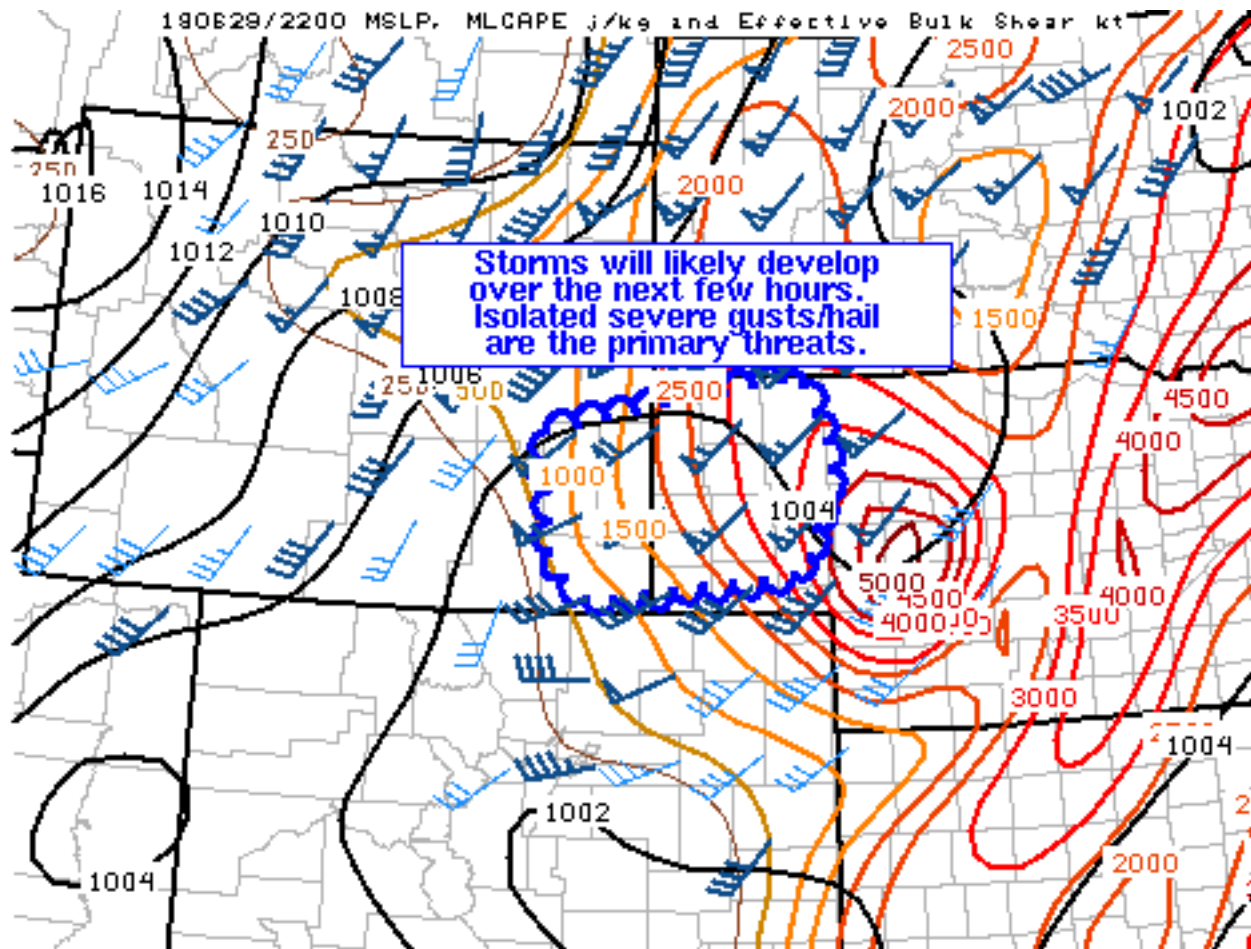
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Mesoscale Discussion 944

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SPC MCD #0944

Mesoscale Discussion 0944

NWS Storm Prediction Center Norman OK

0531 PM CDT Fri Jun 29 2018

Areas affected...southeast WY...NE Panhandle

Concerning...Severe potential...Watch possible

Valid 292231Z - 300000Z

Probability of Watch Issuance...60 percent

SUMMARY...Storms will likely develop over the next few hours near the WY/NE border. Isolated severe gusts/hail are the primary threats as this activity moves east into the NE Panhandle. Convective trends will be monitored during the next 1-2 hours concerning a severe thunderstorm watch issuance.

DISCUSSION...Visible satellite shows an agitated cumulus field over southeast WY with some of the more vigorous towers glaciating over the past 30 minutes. Surface temperatures have warmed to near 90

degrees F with 50s and 60s dewpoints in Goshen County, WY into the NE Panhandle. Surface flow and implied surface convergence are weak, but as a mid-level shortwave trough continues towards the area this evening, ascent and gradual moistening near the capping inversion by repeated convective turrets will likely lead to isolated to scattered thunderstorm coverage. Strong 0-6 km shear (50kt) coupled with moderate buoyancy and steep lapse rates will support several intense updrafts. Large hail will be a risk with the stronger storms as well as a threat for isolated 50-60 kt gusts.

..Smith/Edwards.. 06/29/2018

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

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NOAA / National Weather Service
National Centers for Environmental Prediction
Storm Prediction Center
120 David L. Boren Blvd.
Norman, OK 73072 U.S.A.
spc.feedback@noaa.gov
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