



surface boundary have caused low-level winds to back to SSE. Regional VAD wind profiles have shown generally straight hodographs which has led to observed storm splits and a few instances of destructive interference. A 21Z NSSL research sounding near LBF showed weak capping and some weak winds within the 850-700 mb layer, likely due to the passing elevated convection. With time, the low-level jet is forecast to increase across north-central Kansas and into portions of central Nebraska. This will aid in low-level moisture transport and an increase in low-level hodograph curvature with time. Any discrete storm within this environment will be capable of strong low-level rotation and a risk for tornadoes. Large hail will also remain a threat with mid-level lapse rates of 8.5-9 C/km and around 50 kts of effective shear.

The current thinking is that the greatest threat for tornadoes will come from storms moving into Nebraska from northwest Kansas. Farther north, nearer the boundary, storms that have formed have generally moved north of the front.

..Wendt.. 05/17/2019

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

ATTN...WFO...GID...LBF...DDC...GLD...PUB...BOU...CYS...

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