Evaluation of Phased Array Radar Data via Comparisons to the WSR-88D

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19 NWS forecasters from 17 WFOs

Forecasters evaluated:

✓ Strengths and limitations of PAR data in analysis of severe storms

✓ How characteristics of PAR scan strategies affect interpretation of severe storms

✓ How PAR data affects warning decision making

✓ How PAR data may be of benefit to operational responsibilities
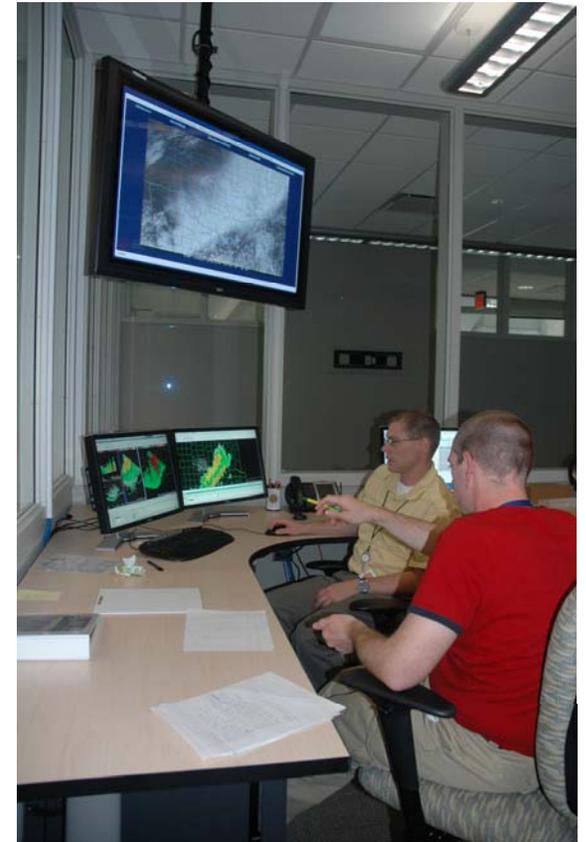
15 August 2006

Representative Forecaster Comments (N=17)

"High temporal resolution of PAR allowed me to identify near-ground-level severe winds which were considerably under-played by KTLX (27 kt vs 57 kt)."

"You can diagnose better what's going on so you can have more confidence in issuing or not issuing warnings."

"Rapid updates will help get the warning out period. We have many missed pulse storm hail and wind warnings."