

RAXPOL DEPLOYMENT SUMMARY

DATE: 25 MARCH 2015

CREW: HOWIE, KYLE, ZACH

LOCATION: CENTRAL OKLAHOMA – NORMAN, BLANCHARD, TUTTLE, AMBER

TOTAL NUMBER OF DEPLOYMENTS: 2

SUMMARY: RaXPol departed Norman at approximately 2000 UTC and headed west on SH9. Storms were initially observed (visually) from SE 32nd St. approximately 2 km south of Newcastle while waiting for progression of the front and initialization of storms southward down the line. At ~2230 UTC, RaXPol departed the overlook location for Tuttle, OK towards two discrete supercells that had formed on the front ~100km to our west. It was determined that the southernmost cell should be pursued because the northern (became severe near El Reno, OK) had been undercut by the front and would not likely produce a tornado. RaXPol headed south on OK-92 out of Tuttle to Amber, OK for a 25 minute deployment. Deployment specs are listed below. The storm was initially relatively organized, but rapidly lost organization as post-frontal air began to overtake it. RaXPol continued south on OK-92 following deployment 1 and made one, impromptu, ~3 minute deployment south of Amber before returning to Norman.

DEPLOYMENT 1:

LAT: 35.16619° LON: -97.87818°

.25 km North of Amber, OK

Scanning strategy 1 -- Began 2319 UTC

0° -20° /1° increments, 60 km range, 75m range resolution, 30m gate spacing

Scanning strategy 2 – Began 2325 UTC

0° -20°/1° increments, 50 km range, 75m range resolution, 30m gate spacing

Scanning strategy 3 – Began 2328 UTC

0° -20°/1° increments, 40 km range, 75m range resolution, 30m gate spacing

End of Deployment: 2344 UTC

DEPLOYMENT 2:

LAT: 35.05861° LON: -97.88356°

~2 km South of Amber, OK

Scanning strategy 1 -- Began 2353 UTC

0° -20° /1° increments, 30 km range, 30m range resolution, 15m gate spacing

End of Deployment: 2355 UTC

NOTES:

-No major issues during either of the deployments.