

RAXPOL DEPLOYMENT SUMMARY

DATE: 3 JUNE 2014

CREW: HOWIE, KYLE, ZACH

LOCATION: CENTRAL NEBRASKA

TOTAL NUMBER OF DEPLOYMENTS: 1

SUMMARY: Following an overnight in North Platte, NE, RaXPol departed town at approximately 20Z to position north of North Platte for a better view. Storms began to fire north of the boundary shortly before 21Z. RaXPol moved north northwestward via highway 97, and then east via highway 92 through Stapleton, NE, south on highway 83, and then east on highway 92 towards Callaway, NE. As new cells began to mature near North Platte, RaXPol again moved west for 1 mile on highway 40 south of Callaway, and then south on road 421 (Cozad Rd.). After quickly refueling, we retraced our steps back to the north on road 421, where the day's single deployment took place approximately 8 miles north of Cozad, NE. Rotation was observed within the storm of interest, but the storm quickly gusted out. Scanning ceased shortly after 0000Z, and RaXPol (and crew) returned to North Platte for the evening.

DEPLOYMENT 1:

LAT: 41.034202° LON: -99.966983°

Scanning strategy 1 -- Began 2320 UTC, Ended 2339 UTC
0°-20° /1° increments, 70 km range, 150 m resolution, 500 µm PRI

Scanning strategy 2 -- Began 2339 UTC, Ended 0013 UTC
0°-20°/1° increments, 30 km range, 75 m resolution, 250 µm PRI

NOTES:

- Computer time lagged the GPS time by 99 seconds during this deployment. Problem has since been resolved.