

RAXPOL DEPLOYMENT SUMMARY

DATE: 22 APRIL 2015

CREW: HOWIE, KYLE, ZACH

LOCATION: TEXAS PANHANDLE – SOUTH OF AMARILLO, TX

TOTAL NUMBER OF DEPLOYMENTS: 4

SUMMARY: RaXPol departed Norman shortly after 1730 UTC and headed southwest towards Lawton, OK, and on towards Memphis, TX via US-62 and TX-256. Convection initiated in extreme eastern NM near the dryline. Supercells moved eastward towards Amarillo, with an early storm split occurring. The right mover began moving due eastward, but initially much slower than forecast, forcing us much farther into the Texas Panhandle than we initially targeted. Several storms continued eastward, including the initial right mover as well as a cell near Tulia, TX. RaXPol's first deployment took place NW of Happy, TX, and was very brief as baseball-sized hail and damaging winds hit Happy just as we escaped town. Deployment two took place SW of Happy, and the third deployment east of Tulia in which we were located in the notch of the hook for a short three-minute deployment. After core surfing east on TX-86 to escape the hail, we made one additional short deployment near Quitaque, TX. RaXPol then headed east and north and returned to Norman.

DEPLOYMENT 1:

LAT: 34.748980° LON: -101.870577°

Happy, TX

Scanning strategy 1 -- Began ~2330 UTC

0° -20° /2° increments, 30 km range, 75 m range resolution, 30 m gate spacing

DEPLOYMENT 2:

LAT: 34.586006° LON: -101.540251°

15 mi E of Tulia, TX

Scanning strategy 1 -- Began 2344 UTC

0° -20° /2° increments, 30 km range, 75 m range resolution, 30 m gate spacing

DEPLOYMENT 3:

LAT: 34.477140° LON: -101.569882°

11 mi W of Tulia, TX

Scanning strategy 1 – Began 0004 UTC

0° -20° /2° increments, 30 km range, 75 m range resolution, 30 m gate spacing

DEPLOYMENT 4:

LAT: 34.347929° LON: -100.9897908°

4 mi ESE Quitaque, TX

Scanning strategy 1 -- Began 0051 UTC

0° -60° /2° increments, 30 km range, 75 m range resolution, 30 m gate spacing

NOTES:

-No issues on this day.

-MWR computer off by 45 minutes and