

NPOL Radar Scientist Report 0000 UTC 26 April 2011

Submitted by josephhardin on Mon, 04/25/2011 - 18:42

- [NPOL](#)

Flight Date:

Monday, April 25, 2011

Status:

Green

Shift Summary 1200 UTC 25 Apr 2011 - 0000 UTC 26 Apr 2011:

A large rain shield with embedded convective lines continued to the east of NPOL throughout this shift. Sector scanning was run during the 12-13 UTC hours in the NE quadrant. Very little precip activity within 150 km after the 13 UTC hour.

Alternating Scans 3 and 4 were performed at 1907 UTC (for about 10 minutes) when a shower moved directly over the central facility. Scattered small showers were present in all sectors during the 19 UTC hour....and then mostly quiet after that.

The rain shield to the east of NPOL at far range is resulting in widespread flash flood warnings in eastern OK, AR, and MO.

Additional Scan-4 alternating RHI/PPI were performed near 2300 UTC as a band of drizzle/light showers were over the central facility.

Sector scan tests were run beginning 2130 UTC....trying to determine the cause of ray dropouts. The option of running 120 degree sectors instead of 90 degree sections generated some discussion during the Ops Briefing at 14 UTC. Steve Rutledge and Rob Cifelli suggested that the 90 degree sector scans could be modified to a 93 or 95 degree sector to preserve the desired temporal resolution.

Mike is continuing to diagnose this problem.

End of Summary

David Marks

Addendum by Timothy Lang:

NASA is working to import NPOL imagery into RTMM. Meanwhile, a non-password-protected source of real-time NPOL imagery is now available at <http://radarmet.atmos.colostate.edu/mc3e/npol/>. You may also animate the images there. In addition to the online science log, the twitter.com/npol_mc3e account will be updated with key news.