

Buccino, Dustin R (332K)

From: Barbinis, Elias (332K) <elias.barbinis@jpl.nasa.gov>
Sent: Tuesday, July 09, 2013 7:28 PM
To: rs
Subject: Cassini Report: S79, 2013/186 DSS-54 GSE

DSS-54 GSE

13 186 1400 1530 0000 0015 DSS-54 CAS TP RS194-GSE 5758 N750 1A1

Pass Scripted by Dustin and Elias

Per Ace Log:

X -band (DCC-01) and Ka-band (DCC-06)

- Weather: Clear sky, wind speed 3.1 km/hour.
- Equipment: Green.
- X-band 1-way signal present before BOT
- Ka-band 1-way signal present before BOT
- Bandwidths for X-band: 1, 2, 16, 50 KHz, Record 1, 2 KHz, during 1-way, 1KHz during 2-way
- Bandwidths for Ka-Band: 1, 8, 16, 50 KHz, Record 1, 8 KHz, during 1-way, 1 KHz during 2-way

- fgain X 38, Ka 55

- S/C rolling

- Monopulse was enabled at 15:33:99

- Switched to 2-way at 18:16:55

- 1-way referenced to AUX OSC
- 1-way signal drifting:
1545 x resid 135, ka resid 512
1828 x resid 25, ka resid 97

Data were played back to endo and placed at /rssg/data/CAS/2013_186/GSE/RSR

DSS-54:

X-band:
RSR2A1
1KHz, 16 bits
Start: 186/15:20:00
Stop: 187/00:05:00

X-band:
RSR2A2
2KHz, 16 bits

Start: 186/15:20:00
Stop: 186/18:16:55

Ka-band:
RSR2B1
1KHz, 16 bits
Start: 186/15:20:00
Stop: 187/00:05:00

Ka-band:
RSR2B2
8KHz, 16 bits
Start: 186/15:20:00
Stop: 186/18:16:55