

## Buccino, Dustin R (332K)

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**From:** Barbinis, Elias (332K) <elias.barbinis@jpl.nasa.gov>  
**Sent:** Tuesday, June 25, 2013 9:07 PM  
**To:** rs  
**Subject:** Cassini Report: S79, 2013/175 DSS-54 GSE

DSS-54 GSE

13 175 1415 1545 0045 0100 DSS-54 CAS TP RS193-GSE 5747 N750 1A1

Pass Scripted by Dustin and Elias

Per Ace Log:

X -band (DCC-03) and Ka-band (DCC-07)

- Weather: Clear sky, no wind.
- Equipment: Green.
- X-band 1-way signal present before BOT
- Ka-band 1-way signal present before BOT
- Bandwidths for X-band: 1, 16, 50, 100 KHz, Record 1 KHz
- Bandwidths for Ka-Band: 1, 4, 16, 50 KHz, Record 1, 4 KHz, during 1-way, 1 KHz during 2-way
  
- fgain X 38, Ka 55
  
- S/C rolling
  
- Monopulse was enabled at 15:46:25
  
- Switched to 2-way at 18:29:11
  
- 1-way referenced to AUX OSC
- 1-way signal drifting:  
1545 x resid -531, ka resid -2021  
1828 x resid -503, ka resid -1913

Data were played back to endo and placed at /rssg/data/CAS/2013\_175/GSE/RSR

DSS-54:

X-band:  
RSR2A1  
1KHz, 16 bits  
Start: 175/15:35:00  
Stop: 176/00:50:00

Ka-band:  
RSR2B1  
1KHz, 16 bits  
Start: 175/15:40:00

Stop: 176/00:50:00

Ka-band:

RSR2B2

4KHz, 16 bits

Start: 175/15:40:00

Stop: 176/00:50:00