

## Buccino, Dustin R (332K)

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**From:** Buccino, Dustin R (332K) <Dustin.R.Buccino@jpl.nasa.gov>  
**Sent:** Monday, October 28, 2013 4:56 PM  
**To:** rs@list.jpl.nasa.gov  
**Subject:** Cassini SCE10 Report: S81 2013/301 DSS-34

Cassini SCE Report  
October 28, 2013 1:15 PM PDT  
2013/301 20:15 UTC

301 2015 2145 0615 0630 DSS-34 CAS TP RS198-SCE10 0301 N750 1A1

Dustin provided support for this activity until 5pm (00:00 UTC)

DSS-34:  
X-band (RSR 2A, DCC-6, fgain 38)  
Ka-band (RSR 2B, DCC-5, fgain 55)

- Weather: Fair (station forecast has storms before EOT)
- Wind: 0 mph at BOA
- Equipment: Green

20:15 – Arrival, voice check, and briefing  
20:47 – X-band signal seen  
20:55 – X-band signal gone  
21:31 – AOS, X  
21:35 – begin recording X 1kHz, Ka 1kHz, Ka 4kHz  
21:45 – BOT, TLM ON  
21:46 – AOS, Ka  
21:47 – Monopulse appears enabled, but station has not reported it. ~2.5dB jump in power. Large corrections (~4 mdeg Az, ~8 mdeg El)  
21:51 – On point phase cal started  
22:11 – On point phase cal completed, monopulse enabled, corrections updating  
22:12 – Pc/No X-band 21.03 dB-Hz, Ka-band 48.01 dB-Hz  
22:13 – SNT X-band 24.191 K, 45.353 K  
22:20 – Monopulse corrections, Azmiuth correction 3.44 mdeg, Elevation correction 6.01 mdeg, Elevation 32.42 deg  
23:50 – Off net, gave ACE phone number should anything come up. If there is further monitoring, Elias or Danny can append to this email.

Data to be played back to /rssg/data/CAS/2013\_301/SCE/RSR/:

DSS-34, X-band, RCP, 1-way & 2-way  
RSR2A, 1kHz, 16-bits  
Start: 2013/301 21:35:00  
Stop: 2013/302 06:20:00

DSS-34, Ka-band, RCP, 1-way & 2-way  
RSR2B: 1kHz, 16-bits  
Start: 2013/301 21:35:00

Stop: 2013/302 06:20:00

DSS-34, Ka-band, RCP, 1-way

RSR2B: 4kHz, 16-bits

Start: 2013/301 21:35:00

Stop: 2013/302 00:55:50

158 MON data will be queried and monopulse file generated and sent to David and rs@list tomorrow. Additionally, the log file Pc/No plot will be sent manually tomorrow.