

## Buccino, Dustin R (332K)

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**From:** Villar, Gregorio III G (393L) <Gregorio.G.Villar.III@jpl.nasa.gov>  
**Sent:** Monday, July 01, 2013 1:31 AM  
**To:** rs  
**Subject:** CAS OCC ORT Report: S79, 2013/149 DSS-34  
**Attachments:** rsr\_error.jpeg

S79 OCC ORT, June 30, 2013 PDT, 2013/182  
182 0345 0515 1415 1430 34 CAS RS193-OCCORT MC 0182

DSS-34  
X- and Ka-band

- Weather: Slightly Overcast
- Wind: 4.9 kph
- Equipment: Green
- X-band - DCC-6; fgain 39
- Ka-band - DCC-5; fgain 57
- 04:38:00 Brought up receivers and X-band signal was present; 39.0 dBHz
- 05:14:50 Ka-band signal acquired; 44.0 dBHz
- 05:15:00 BOT; Ka-band 44.4 dBHz; X-band 32.5 dBHz
- 05:15:58 Monopulse enabled. 5.0 dBHz improvement.
- 05:19:00 Ka-band sfro 1 400
- 05:20:00 SNT Ka 47.737, X 25.388, Elevation 26.9
- 06:20:00 SNT Ka 39.520, X 22.917, Elevation 38.7
- **06:25:43 Observed Error Messages on RSR2B and RSR2A (see attached)**
- 07:20:00 SNT Ka 36.645, X 22.112, Elevation 49.97
- 08:01:30 Switched to 2-way
- 08:01:30 Ka-band sfro 10
- 08:02:40 2-way Ka-band signal acquired; 48.21 dBHz
- 08:02:40 2-way X-band signal acquired; 33.55 dBHz
- 08:03:24 Monopulse re-enabled. No improvement.
- 07:20:00 SNT Ka 35.095, X 21.846, Elevation 59.52
- 08:30:00 Nominal tracking

Data to be played back to /rssg/data/CAS/2013\_182/ORT/RSR on kamino:

X-band, RCP, 1-way & 2-way  
RSR2A1, RSR2A2  
1, 16 kHz; 16 bits  
start = 182/05:00:00  
stop = 182/14:20:00

Ka-band, RCP, 1-way & 2-way  
RSR2B1, RSR2B2  
1, 16 kHz; 16 bits  
start = 182/05:00:00  
stop = 182/14:20:00

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**Gregory G. Villar III**

**Systems Engineer**

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*"Pressure makes diamonds"*