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Sent: Sunday, June 09, 2013 2:43 AM
To: rs (rs@list.jpl.nasa.gov)
Subject: Cassini OCC ORT Report: S79, 2013/160, DSS-34

S79 OCC ORT, June 8-9 PDT, 2013/160

13 160 0500 0630 1530 1545 DSS-34 CAS RS192-OCCORT MC 5732
N750 1A1

This ORT is in preparation for Rev 193 RI Occ on DOY 175 (6/24)

DSS-34

X- and Ka-band

- Weather: Slightly overcast. No winds
- Equipment: Green
- X on DCC06, Ka on DCC05
- Scripted in real-time (using DOY 150 script as an example)
- scripts: scriptsCAS0160_X.34 and scriptsCAS0160_K.34
- X-band on RSR2A. Ka-band on RSR2B
- Subchannels 1, 16, 50, 100 for X, and 1, 2, 16, 50 (for both X and Ka)
- X-band signal present (before BOT)
- 061600 X resid +103.38. Expect Ka-band resid to be ~412
- 061947 SFRO Ka-band 1K subchannel by +150
- 062500 SNT X 27.031, Ka 52.683
- 063035 Ka-band ON, 1K resid 248.26 (with +150 SFRO), Pc/No 49.30
- 063320 Monopule enabled. No jump in power
- 063500 Mono AZ corr 2.41, EL corr 0.78, elevation 24.02
- 0640 Transmitter on
- ~0650 Rolling started
- 082900 Mono AZ corr 0.17, EL corr -2.14, elevation 46.40
- Monopulse disabled without clearing the offsets (prior to going 2-way)
- 090930 Ka resid in 1K 20.31
- 091051 Switch to 2-way
- Monopulse enabled

Data were be played back to endo and placed at /rssg/data/CAS/2013_160/ORT/RSR

X-band:

RSR2A1

1KHz, 16 bits

Start: 160/06:20:00

Stop: 160/15:35:00

Ka-band:

RSR2B1

1KHz, 16 bits

Start: 160/06:20:00

Stop: 160/15:35:00

Ka-band:

RSR2B2

1KHz, 16 bits

Start: 160/06:20:00

Stop: 160/09:20:00