

Buccino, Dustin R (332K)

From: Buccino, Dustin R (332K) <Dustin.R.Buccino@jpl.nasa.gov>
Sent: Wednesday, November 06, 2013 10:53 AM
To: rs@list.jpl.nasa.gov
Subject: Cassini SCE10 Report: S81, 2013/310, DSS-14

Cassini SCE10 Report
November 6, 2013 6:30AM PDT
2013/310-14:15 UTC

Conjunction Day, S/C on RCS

310 1415 1515 0000 0015 14 CAS TP RS198-SCE10 0310

Dustin provided support for this activity.

DSS-14
X-band (RSR2A, DCC-3, fgain 48)
S-band (RSR2B, DCC-1, fgain 50)

Weather: Clear
Equipment: Green
Wind: Calm

14:30 – Arrival at ops room. Missed briefing, but ACE provided briefing message info
14:57 – AOS, X
15:05 – Start Recording
15:06 – another att auto issued on S-band (RSR2B)
15:14 – AOS, S
15:15 – TLM ON
15:15 – Station DCCs in lock both bands
15:17 – very noisy S-band signal power levels (see figure). It was like this throughout the pass. Due to conjunction day?
15:25 – Residuals X-band 121.93 Hz, S-band 33.07 Hz
15:25 – Station TXR ON
15:40 – Pc/No X-band 36.25 dB-Hz, S-band 37.72 dB-Hz
15:41 – SNT X-band 30.479 K, S-band 66.237 K
17:02 – Pc/No X-band 35.13 dB-Hz, S-band 38.41 dB-Hz
17:22 - Band amp out of range (RSR2A, X)
17:34 – Band amp out of range (RSR2B, S)
18:26 – LOS, X+S, going 2-way
18:27 – DCCs out of lock, going 2-way
18:28 – AOS, X+S, DCCs back in lock
18:35 – Pc/No X-band 36.34 dB-Hz, S-band 38.99 dB-Hz
18:36 – SNT X-band 21.655 K, S-band 35.185 K
18:39 – Off net, gave ACE cell phone number should something come up

Data to be played back (hopefully automatically) to /rsg/data/CAS/2013_310/SCE/RSR/:

DSS-14, X-band, RCP, 1-way & 2-way

RSR2A, 1kHz, 16-bits
Start: 2013/310-15:05:00
Stop: 2013/311-00:05:00

DSS-14, S-band, RCP, 1-way & 2-way
RSR2B: 1kHz, 16-bits
Start: 2013/310-15:05:00
Stop: 2013/311-00:05:00