

Buccino, Dustin R (332K)

From: Anabtawi, Aseel (332K) <aseel.anabtawi@jpl.nasa.gov>
Sent: Tuesday, November 05, 2013 8:22 AM
To: rs@list.jpl.nasa.gov
Subject: Cassini SCE #10 Report: S81, 2013/309, DSS-55

S81 SCE #10, November 5 PST, 2013/309

13 309 0700 0830 1545 1600 DSS-55 CAS TP RS198-SCE10 5881
N750 1A1

Scripted by Elias. Partially monitored by Aseel
Script executed at 0750 ERT (11:50 pm 11/4)

SEP angles ~2.7 degrees

Weather: Partially cloudy skies with 1 kph winds
Equipment: Green

X-band VSR1A
Ka-band VSR1B
(used VSR due to MOM using the RSRs)

X-band present since start record ~0752
X-band signal at +136.37 Hz. Need to SFRO Ka-band in 1K (will be at ~+548)
082828 SFRO 1N1 100 (puts signal at 448. Not enough)
082920 SFRO 1N1 200
082930 Ka-band ON. Subchannel 1N1 signal at 316 Hz
0831 Monopule enabled. ~0.8-1 dB jump (41.2 to 42-42.2 dB-Hz)
0839 Mono values (AZ 0.80, EL -1.86, elevation 17.28 degrees)
0840 Transmitter ON
0957 Mono values (AZ -2.68, EL 1.91, elevation 27.72 degrees)

Stopped monitoring two hours into the track ~1030 ERT (2:30 am)

From ACE log:
113614 Monopulse disable without clearing offsets (going 2-way)
114445 Monopulse enabled

Data were be played back ...