

S38 Rev60 Rings Occ  
(Hgreu, Chard)

3/1/08  
1000p  
3/2 UTC  
DOY 062

①

ACE:

Nope: Lu

RS Ops: Aseed, Danny, Elias, Don  
Essam, David R.

DSS-63	Precal	1705	BUT	1805	GOT	0515	Pass #	3801
-14		0100		0200		0515		3801
25		0115		0215		0515		3801
26		0115		0215		0515		3801
55		0115		0215		0515		3801

Madrid weather: Partly cloudy. No wind  
Goldstone weather: Partly cloudy, 25 mph from SW

DSS-63 0056 XMTR off.

DSS-63 had x-band signal in 0033 (supporting OTM-146 prior to occ).

Again

DSS-63 & DSS-14 X60 ⇒ 61 u0233  
S49

DSS-55, -25 & -26 X55 ⇒ 56 u0231  
Ka55 ⇒ 56 u0234

S- & Ka-  
on u0035

DSS-63 & DSS-14 LCP 35

DSS-55, -25 & -26 LCP 30

Prdx start 2-way & 3-way w/63,  
then 1-way for occ.

55 using PF  
coefficients.  
(Az angles exceed  
270°)

ffthi a ↓  
fftna 2 15

DSS-14 s/R green (it was  
fixed a couple of days ago)  
was red before

63 I/L on S-band w/ 0137.  
BWG-s have Ka-signals w/ 0141  
alt auto 0141

Begin record RCP all at 0143

0144 DSS-55 done w/ pre-cal.

0157 Nope ask 55 to  
DL channel ~~at~~, select noise diode decoder instead of ~~↓~~.  
⇒ station said .25 is real. Their engineer said to  
select ~~↓~~.

0159 55 said they were referring to X-band. Think  
.25 would work for Ka.

0200 14 is in-lock on X & S.

0208 Ka-band signal stable  
(was fluctuating (looked like rolling but not really)) ..  
but saw at 55 & 26, so it's S/C related ..  
(OTM ?)

0215 55, 26, 25 I/L on X & Ka

0218 Enable monopulse at all BWG-s.

26 has ~~no~~ dB jump in power  
no jump at 25 or 55

Windy at Goldstone!

0228 asked 26 for update on ~~weather~~ wind speed  
13 mph

0303 25 & 55 monopulse disabled, cleared offset  
0303 26 ~~cleared~~ offsets kept. (stations forgot to clear offset)

0230 Pc/No reading (prior to LMB)

14X	41.2	25X	<del>34</del>
14S	43.9	25K	47.75
63X	41.7	<del>26</del> X	34.9
63S	43.8	26K	49.4
		55X	34
		55K	50.17

Slight change to Freq  
X-band at 70-m from 60 to 61  
BUGS change both from 55 to 56

In advance: 0245 rec. all  
025500 all auto  
030400 mode 1-way (a few secs before actual change)

0244 Asked cell stations to enable SNT on all channels at 024700.

0245 Recording all (was recording 1 & 16 RCP up to this point)

\* 0247 SNT enabled (reading from Danny)

14X	24.654	25X	<del>27</del> .716
14S	23.136	25K	65.899
63X	19.436	26X	29.256
63S	16.421	26K	54.725
		55X	22.165
		55K	56.364

0250 asked 14, 25 & 63 to disable SNT on all channels

0251 asked 26 & 55 to disable SNT on Ka-band only

Essam said we have some time to enable mon. if needed. David said SS could benefit from a quick monopulse enable (w/ 1 dB he expects).

0339 DSS-SS mon. enabled (1 dB increase)

034022 DSS-SS mon. disabled & offsets clear.  
(w/ 1 dB drop in SNR!)

0344 Nope asking 26 to configure DC08 at  
Ring B LOS ~~to~~ open-loop mode until u0357

0345        "        SS        DC03

↑ Ring B. Didn't do it on way in. Nope was busy checking 63 configuration. I remembered but let it go.

0310 Pc/No (Baseline)

14X	56.3	25X	49.68
14S	44.4	25K	48.98
63X	56.3	26X	49.8
63S	44.0	26K	50.8
		55X	50.35
		55K	50.28

LCP	14X	12.11	26X	22.51	<del>25.51</del>
	14S	26.16	26K	no LCP	
	63X	31.02	55X	23.29	
	63S	14.79	55K	no LCP	

0312 Nope asked station to disable SNT on DC04 & make sure ramps are dropped.

0322 Nope asked stations to accom. high doppler rate, open-up <sup>physical</sup> BW to 7 Hz on all bands, non-coherent final loop BW

032230 all stations LOS

0325 Nope telling station 63 that their initial loop BW should be 10, but non-coherent final loop BW should be 7.

0329 Told stations we see strong signal in open-loop, try to acquire their covrs.

0336 Pc/No (baseline)

14X	56.6	25X	50.26
14S	44.7	25K	49.68
63X	55.8	26X	50.1
63S	43.1	26K	50.86
		55X	50.26
		55K	49.74

LCP ~~3~~\*

<del>14</del> X	28.58
<del>14</del> S	26.34
<del>63</del> X	31.04
<del>63</del> S	14.95
26X	22.18
55X	21.77

Don says 14X looks a bit diff plus at 63 is starting up at 14.

because Don thought nobody cared, but we care!

0333 Asked 55 for weather update: sky condition  
& wind speed  
clear sky, wind ~~2~~ 2 mph

0334 Asked 26 for weather update  
partially cloudy, wind 11 kph

DSS-14 gave their values  
partially cloudy, wind 25 mph

0351 25 has LOS on both channels

0357 26 & 55 said not in open-mode

~~0357~~ Told stations we see strong signal, plz  
try to re-acquire.

0358 25 & 26 I/L

0359 14 & 26 LOS

~~0402~~ Stations I/L

0403 25 & 26 off Ka-band

RSS3A off!?

still have X-band

← see atmosphere in data

but fortunately  
we got some  
baseline.

0406 stations LOS

0415 SNT measurement (reading from Denny)

14X 21.1

25X 24.9

14S 21.4

25K 57.7

63X 21.8

26X 26.0

63S 18.1

26K 43.3

55X 24.0

55K 67.2

Playback  
0304-  
0430

0420 Asked 26 & 55 to disable SNT

0421 Asked 14, 63 & 25 to disable SNT

0434 Thrukeyed stations, everything went v. well, Ka-band printings  
appeared good, & we have