

: ACE : John

536 Rev 56
Ring & Sat Occ
(in chard) (In & Es)

① 1/15/08
DOY 015

: Nopes :

RS Ops : Aseel, Danny, Elias, Karen, Don, Roberto

Science team : Essam, Nicole, Arv, John A.
Kathy weid stopped by.

Polx
82_2008_015.....
made 3way w/ 2

DSS-34 Pass # 3755

Pre-cal 1815, Bot 2000, EOT 2205, End-precal 2220

Weather : Clear skies, light wind

Asked station to try to lock up on signal earlier & soon after
through ACE Earth point in 194247 (before BOT)

Station said they expect to be able to do it.

Station requested that they enable monopulse asap. They want
more mon. data.

David Rochblatt @ Madnd

- Essam flight delayed. Roberto went to pick him up.
- DAWN trying to take DSS-63 from us!! Talked to Nazi, Bill & Karen.

David said that Graham Baines at Canberra took care
of 4th order model. Not sure if he updated it, but
should be ok.

Asking station to
Open final ca loop BW.

Fgain :

DSS-43 & DSS-63	X59 S47
DSS-34 & DSS-55	X54 Ka54
DSS-43 & DSS-63	LCP 35
DSS-55 & DSS	LCP 30

DSS-55 A3
at BOT 2100
⇒ 82.3
at EOT 0700
⇒ 254.5
⇒ OK to use LQG
limit is 200

Ring	2210
Atm	2150 0000

212600
2126
2358
0005 2148 55-med range on
2103
224
2011

1931 SNT measurement at DSS-34 (.25K diodes)

Ka SNT 62.038
X SNT 28.082

19350 Asked 34 to disable SNT at Ka-band.

1933 SNT measurement at DSS-43 (.25K diodes)

X SNT 17.9
S SNT 16.8

DSS-34 1925 K & X signal appeared at DSS-34
Enabled 194237
w/2-3 dB jump

195516 Drop in Ka-band!
↓
200712 Asked station... they said big cloud in horizon.
Drop at 43 X-band as well!

2037 DSS-34 advising us that drop in Ka-band is due to moist cloud in area.

2047 Checked w/ DSS-55 if there were successful in locating LQG coefficients => yes.

205425 Mon. disabled DSS-34
205449 9mdeg in elevation

#10 mdeg manual
collect in elevation
& return to cross-elev.

2053 Pc/No reading:
SNR 43 XR 53
43 SR 43.5 → ?

② 1/15/07
DOY 015

2105 SNT enabled on Ka-band (1K diode)

2108 100 Ka-band } not on point?
50 X-band }

2116 SNT enabled on X & S (125K diode)

51.224 X-band
56.230 S-band

211845 asked station to disable SNT

211925 DSS-SS SNT disabled.

2121 Asked DSS-34 to clear ~~affected~~
manual

2140 DSS-SS Drive ON (uplink)

214330 DSS-SS MON-enabled

2149 Weather update at Canberra (DSS-34)
moderate clouds returning to 1.9 km/hr
clear

2154 DSS-SS configured in open-loop ^{x-band revr} mode (to record SNT values)

215443 DSS-34 =

215815 DSS-SS weather update
wind 17 km/hr S.W. + 79% cloudy & raining!

220641 SNT measurement at Canberra
DSS-34 Ka 181.735 DSS-43 X 50.04
X 56.095 S 38.17

2210 thanked Canberra for their support.

Stations
need to
configure
in open-loop
mode for
SNT values
to record
while their
revrs are
out of lock

DR# C106129 DSS-34 (due to weather).

2224 DSS-55 x-band rcvs in open-loop mode.

222800 Clear monopulse offsets

2313 Weather update at DSS-55 cloudy & raining
wind ~~36~~ km/hr SW, H=29%, P: 925 mbar.

Fluctuations at Ka-band!

2324 R/No Readings

63	XR	55.03
63	SR	43.7
55	XR	49.30
55	RR	43.50
63	XL	24.00
63	SL	22.00
55	XL	24.00

233900 Monopulse enabled

233900 DSS-55 enabled SNT

X 25.25

K 72.12

234158 55 reported lost Ka-band. (Ka off)

234233 55 disabled SNT Ka-band

234309 Asked 63 to enable SNT on X & S

X 21.4

S 16.7

S-6 K
off
w 234155

NO ^{DSS-55} KLCP data acquired (recorded, but switch was in position ~~at~~ _{the time})