

S44 Rev89
Rings Occ
~~~~~

2008/291 ①  
10/16/08 local  
(10/17 UTC)  
Rev89

In Ops room:

Aseel, Elias, Danny

|       |         |    |       |
|-------|---------|----|-------|
| Danny | DSS-34  | on | VSR1  |
|       | DSS-54  | on | RSR2  |
| Elias | DSS-43  | on | RSR1  |
|       | DSS-63  | on | RSR1  |
| Don   | DSS-47  | on | RSR2  |
|       | DSS-63L | on | WVSR1 |
|       | DSS-43L | on | WVSR1 |

Pass # 4031

Again:

|                 |    |   |                  |
|-----------------|----|---|------------------|
| DSS-43 & DSS-63 | X  | — | <del>60</del> 59 |
| DSS-43 & DSS-63 | S  | — | 47               |
| DSS-34 & DSS-54 | X  | — | 52               |
| DSS-34 & DSS-54 | Ka | — | 51               |
| DSS-47          | Ka | — | 53               |
| DSS-43 & DSS-63 | XL | — | 37               |
| DSS-43 & DSS-63 | SL | — | 35               |

low  
elevations  
(Both complexes  
less than  
20°)

Nope:

Lu

a19 Ace Briefing to 43 & 34  
43 XMTR on OBSS per SOE (OTM-168 follows)  
Xfr to 63  
TLM reqt for 43  
monopulse cal w/ switch 43 in A position

40 weather: Fine. No wind. Equipment green

\* 34 wavy model installed on DOY 266

34 using TTC 8.1.5 to configure D/L Channel.

DSS-47 Prdx issue

0316 Ops Chief saying GOEs looking @ Mars  
Contacting SPT

DR N104992 prdx: Prdx did not contain  
correct GEO pointing file. Was for S/C 499 (Mars)  
vice Saturn

SPC-40 was able to retrieve GEO file from SPS  
portal & send it to DSS-47

Reboot ~~RSR~~ @ Canberra?  
RSR red (not sure which one)

0325 AH auto at Canberra

0330 Recordings all.

0331 Asked 34 & 43 to enable SNT on  
all D/L channels

0332 Hooked. Seem to have full connectivity

0335 SNT

43 X 26.8

43 S 22.3

34 X 29.3

34 K 71.7

033530 Canberra SNT disable except Ka

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0338 NOPE (Sundy) said they just re-generated prdx.BU.

0341 Asked 63 & 54 to enable SNT on all downlink channels

0342 Madrid SNT readings

63x 113.8

63S 96.5

54x 56.2

54Ka 140.1

Station advising 6° GL

0343 Nope said BU prdx were wrong.

New code:

BV

0345 SNT disabled @ Madrid except Ka

0345 started seeing intermitted S-band

0346 Seeing all signals

0347 Nope asking if we were able to connect to Narrabri ⇒ NO

told NOPE we see Ka-band signal. If want to do LCP test, he has couple of minutes.

0348 40 asking if they should do another reboot at Narrabri ⇒ yes

0349/29 Nope asked <sup>34</sup>switched back to 44 in alpha

0350 Monopulse enabled. No obvious change.

DSS-34 Ka-band signal

~ 0346 Ka-band

034829 LCP

034930 RCP

40 counts if  
we were able to  
connect  $\Rightarrow$  NO.  
we created script  
CASA7. If can  
run  $\Rightarrow$  great

0355 started seeing  $\rightarrow$

0355 alt auto at max/d

0401 SA saying they are I/L

0401 SNR readings. See page 3

0411 saw 34 dropped monopulse. Told them to clear

041125 34 cleared monopulse

offsets.

SA .. don't know what to do! kept

LARGE offsets (4.39/-11.48).

thought we'd keep them there, but station  
went ahead & cleared them off

041229.

0419 asked stations to re-acquire

0420 All I/L

0425

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0407 SNR readings

43X ~~51.65~~  
43S 41.54  
63X 51.17  
63S 39.42  
34X 47.1  
34Ka 44.6  
54X 45.1  
54Ka 39.2

0425 SNR readings

43X 50.5  
43S 40.75  
63X 51.80  
63S 40.31  
34X 46.1  
34Ka 43.2  
54X 46.0  
54Ka 37.1

Oscillations at 54!! Very visible.

34 Ka-band degradation

0431 desired 34 to enable monopulse =>

0432 54 enable monopulse

34 Jump in power. More steady  
values ~~on~~ 3/4 values.

54 jump. more steady. 5/-6 values

0440 Asked 34 for weather update  
wind 20 km/hr. Weather fine. Some light  
clouds where antenna is pointing.

0444 Asked 43 & 34 to enable SNT

43X 52.2

43S 37.7

34X 47.1

34Ka 134.8

0447 Asked 63 & 54 to enable SNT

63X 31.6

63S 21.1

54X 39.9

54Ka ~~86.8~~

0450 End recording