

S43 Rev 84
Rings OCC

DOY 254
a/10/08 ①
Rev 84

In Ops Room:

Aseel (there 12:40am), Danny, Don

Danny DSS-63 on RSR1
DSS-54 on RSR2

Don DSS-63 on VSR

Again:

DSS-63 X 50

DSS-63 S 47

DSS-54 X 52

DSS-54 K 52

DSS-63 XL 37
DSS-63 SL 35

Nope:

Ace: Bill

Weather: Clear & calm

Equipment: Green

0807 AH auto

0810 Begin record

0757 Asked 54 if they know if model was updated recently
→ yes. Loaded half an hour ago. Engineers brought new model.

0815 SNT Measurement

63X 21.3
63S 19.9
54X 28.9
54 Ka 62.4

0820 Asked 63 to disable SNT on both

082030 54 disabled SNT on Ka-band only

0824 started seeing S-band in 1K

0826 " X-band

082715 Ka-band

0828 Asked stations to lockup revrs

082850 63 I/L

082930 54 reporting I/L
⇒ ^{asked to} enable monopulse

082940 monopulse enabled
⇒ Jump w/ dB

0830 EL 34.43
Accum Az Corr 3.03 Accum EL Corr -1.16

0831 Ka-band variation
⇒ Bias from 070510 - 070918 SCET

083756 TLM off

0851 EL 37.77
Accum Az Corr 2.34 Accum EL Corr -2.32

Bias still going on

0854 Bias complete

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0906 SNR readings

63X	54.1	^{Gain} 59	63XL	32.6	^{Gain} 37
63S	41.7	47	63SL	19.1	35
54X	48.0	52			
54 Ka	45.1	52			

0915 Told station to keep monopulse enabled until rcvrs lose lock. let us know when that happens & we'll decide on whether or not to clear offsets.

0917 EL 42.14
Accum Az Corr 4.30 Accum EL Corr -1.58

0919 rcvrs out of lock

092005 monopulse offsets cleared
Station didn't consult with us!!
offsets were ~1.2x in Az & -1.0x in EL
& was leaning towards keeping them,
but now have no choice.

0924 Asked 54 for weather update
clear/skies, @ kph

0928 54 said rcvrs I/L
Asked if they should enable monopulse
⇒ negative.

0940 SNR measurements

63X	54.3	63XL	32.7
63S	42.1	63SL	20.1
54X	48.1		
54 Ka	43.4		

094945 Asked 54 to enable monopulse
email exchange w/ Essem. He wanted

094948 monopulse enabled
⇒ ul.3 dB increase - ul.5

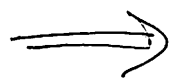
0952 EL Ang : 47.55
Az corr 1.94 GL corr -2.81

1025 S-band off (Ka-band stays on for GSE)
102640 start turn away from Earth

1045 54 inquiring about request for DR for
Ka-band oscillations. Explained. They
thought we were referring to RWA bias.

1046 Asked stations to enable SNT

1048 63 X 19.1
63 S ———
54 X 27.3
54 Ka 51.7



Can't see S-band
value. Nope asked
station to set rcvr
in open-loop.
→ station said they
put command but
system not taking it

1053 Station 63 said they are
initializing rcvr S-band.

54: DR# M105039

Playback 0810 - 1050