

S43 Rev82
Rings Occ

DOY 239 ①
8/26/08
Rev 82

In Ops room:

Asad, Danny, Don
Danny DSS-63 on RSR1
DSS-55 on RSR2
Don DSS-63 on WVSRI
DSS-55 on VSR1

Pass # 3979

Again:

DSS-63 X 60
DSS-63 S 47
DSS-55 X 53
DSS-55 Ka 53

DSS-63 XL 37
DSS-63 SL 35
DSS-55 XL 30
DSS-55 Ka 30

Nope: Lu

Weather: Clear & 15 kph winds

* LQG coefficients at DSS-55

DSS-63 the
Dichroic deflector
is red. they
are using it in
extended position

1410 DSS-63 XMTR on
(GSE follows)

1400 Start record
1356 AH auto

1416 Asked stations to enable SNT

1417 SNT readings

63X 19.7
63S 18.1
55X 27.6
55Ka 49.6

1419 Asked 63 to disable SNT

141945 55 Ka SNT disabled

1427 Started seeing S-band signals

1428 Started seeing X & Ka-band

1429 63 I/L both bands

1430 55 I/L Ka-band

1431 Asked 55 to enable monopulse
Signal not v stable before. Still turning?
Signal more stable for a minute, but

monopulse offsets ≈ -2.5 in Az & -3 in El

1434 Ka-band signal getting stronger... still turning

1442 TLM off

DSS-55 oscillations?!
Settled ≈ 14409

1503 SNR reading

63X 54.5

63S 42.8

55X 48.4

55Ka 46.03

63XL 29.2

63SL 21.1

55XL 17.7

55Ka 19.4 (error channel)

1505 monopulse offsets Az varies -1 to -4
El $\approx \pm$

Drops in
Ka-band
Power when
Accum Az Corr
Error betw to
4

Oscillations seem to be periodic
(good reason - bad - good - bad ... etc).

1511 Asked 55 for weather update
sky partially cloudy, 16.6 kph

1523 Told station 55 that we'll keep monopulse on until start
going through rings & lose Ka lock & likely all other offsets than

DOY 239 (2)
8/26/08
Rev 82

1526 Ka LOS
monopulse Az -2.96 , El -1.81
offers

1527 SS reported LOS
Asked them to clear offsets

152745 Monopulse offers cleared

1535 Asked 63 & 55 to try to re-acquire

1536 63 & 55 in lock

1541 55 LOS on both d11 channels

1545 Asked 63 & 55 to try to re-acquire their RVRS

~~1546~~ 63 said IL but intermittent drops

154640 63 LOS. Told them to try again at
154728 when we come out of mcs A

154730 63 & 55 VL

1554 SNR reading

63 X	54.2	63 XL	27.8
63 S	41.8	63 SL	20.2
55 X	48.1	55 XL	19.4
55 Ka	45.2	55 KL	33.8

(error channel)
chan rms 30-35

1602 Asked 55 to enable monopulse
No jump in power but signal looking more steady
now. was fluctuating before.
Monopulse offers low EL (1-2), high Az (3-6).

1621 TLM on .. drop in K-band power

1633 Asked 55 for weather update
wind 15.7 kph, sky partially cloudy

1640 63 LOS s-band (as expected)

1701 Asked 63 & 55 to enable SNT on all
all channels

1702 SNT measurement

63X 24.2

63S 21.1

55X 31.6

55Ka 62.4

Playback 1410 - 1715

1710 63 XMTR off.