

S61 Rev 135 Sat. Atm Occ  
Ingress Only DOY 205  
DSS-63 & DSS-55

7/24/10  
S61 Rev 135  
①



Ops room: Aseel, Danny, John

David from home .. then decided to come in.  
NOPE: Lu  
mitch logged in to RSR

↑  
55  
VSR

↑  
63 R&L  
RSR2 & WSR1

Fgain:

55x 54

55 Ka 55

63XR 60

63&R 50

63XL ~~40~~  
635L 30

63 X DCC01  
S 0608

Prdx: 3-way w/ 2

1325 ACE Briefing to 55 (late!!)

55 X DCC04  
Ka DCC07

Weather: Partly cloudy

Equip: Green

1337 Asked ACE to correct comment @ 1442.  
Disregard. No signal.

Email from David. Should not use LQG today.

1402 Lu inquired why can't use LQG from station

Lu ⇒ maintenance said not to use

Lu ⇒ Told by DSN antenna group that we can use  
original LQG.. was instructing station to  
load LQG →

I told Lu that David said we should not use  
& if no wind, then we shouldn't

- ⇒ Lu said wind is bet 4 & 20, now 14, that's why  
& was told by antenna group that they can use. know
- ⇒ why David said no?  
No, but he'll be here later. & seems they are  
disagreements in reports so prefer not to use.
- ⇒ Lu told station not to use.

1440 David theme  
Explain LAG

- 1444 Volek developed many sets .. some have  
problems.. station not use until CAD issued
- ⇒ wasn't there also prob w/ SW?
  - ⇒ Yes. CP-H had prob. Then CP-I.. also prob.
- Volek developed workaround so that SW &  
Coefficients work together

Antenna group (MITT) might have latest info (Mike  
Went), so that's why maybe they said it's OK.

~~1458~~ Att auto

1500 Start Rec

1505 SNT measurement

63X 21.1

63S 18.0

55X 32.41

55Ka 32.7

← much lower than usual!

NOTE: Missed pole

Before used .5K Diode. Now .25K Diode.  
Calibration value much closer now

⇒ Told him x & ka now very close. Was 30K different before →

7/24/10  
861 Rev 135

(2)

Lu  
⇒ Will check w/ station that diode config. is correct.

1510 55 confirmed that their diode configuration is correct.

Lu ⇒ reason we are seeing is that 25 said SNT very close. Usually 10-15 bits @ Ka

55 ⇒ will check

Lu ⇒ know that calibration value is much better now.

55 ⇒ right.

1513 63 disable SNT

1515 Can't find anything that explains SNT.

⇒ Lu asked to configure open-loop

Lu: V close to actual value.

Now calibration v. close

Used to use .5k.

Today using .25k

1519 55 disable Ka SNT

1521 55 weather update

sky partly cloudy

wind 1.9 kph direction 224 degrees

1524 8 signal

152450 63 X signal

152544 55 Ka signal

55 X 152642

Ka 152727

63 S 152724

152830 55 Enable multiplex ⇒ No visible jump in power  
Small offsets

1537 P<sub>c</sub>/N<sub>0</sub>

63X 53.88  
63S 43.43  
55X 48.2  
55Ka 44.6

63XL 31.05  
63SL 13-18

1540 Told NOPE that 55 Ka is ~5 dB lower than expected & we see some fluctuations.  
⇒ NOPE checking w/ station if there are clouds.  
⇒ 55 said there are clouds on top.

1548 Told NOPE also saw some fluctuations @ 63X. 55X looking nice & smooth.  
fluctuations w/in 1-2 dB  
Not windy. 4-3 km/hr

1606 55 reported <sup>to NOPE</sup> ~~man.~~ disabled. Should re-enable?  
⇒ <sup>NOPE</sup> check w/ RSS  
⇒ leave disabled

1626 DRs requested

55 O/L Ka 1623~~4~~  
X 162733

63 O/L X 162756  
S 163138

1630 NOPE asking 55 to configure Ka rarr open-loop

7/24/10  
861 RWIBS  
③

1653 SNT medo.

63X 20.693

635 17.373

55X 31.8

55Ka 29.3

1655 End record

DR 55 M105877  
DR 63 M105878

1700 Stations released