



**Network
Control
Center**

STDN DAILY REPORT
FOR GMT DAYS
30 NOVEMBER 2000
01, 02 AND 03 DECEMBER 2000

Part I. Operations

30 NOVEMBER

A.SN Anomalies:

1. BRTS/1313 Support 30/0120-1238Z

6 BRTS events failed to acquire lock on the SSA/MA antennas, reason unknown. This is an ongoing problem and is under investigation. TTR # 23238

B.ISS/ECOMM Anomalies: - None.

C. GN Anomalies:

1. AGS/FAST Support 30/0430-0437Z

Prior to AOS the TCPE was unable to connect to the VLSI2. The operator tried to manually load packetizer #3 but was unsuccessful. A reboot on packetizer #3 was performed to clear the anomaly. TTR # 23239 CSD # 17566

0433-0437Z 4 Mins data loss recoverable

2. SGS/LSAT-7 Support 30/1004-1017Z

After AOS of this support the operator noticed that the tracking swapped between X-Band and S-Band. The operator went to program track and then forced X-Band track. This caused bad tracking. The operator then forced S-Band autotrack. Post pass track analysis showed that tracking was S-Band only from the

beginning of the support until the problem started At 100441Z. At AOS of this support the operator checked the SCC to ensure it reflected RHCP for X-Band, but it is suspected that the SCC was actually in LHCP. TTR # 23241 CDS # 17567

100321-101744Z 13 Min 03 Sec Svc loss/ 1 Min 05 Sec data loss
recoverable unknown

3. POKER/LSAT-7 Support

29/2101-2121Z

X-Band autotrack was lost and the operator had to return to S-Band autotrack. There was an X-Band data drop of approximately 3 seconds. TTR # 23242 CDS ID # 17568

215536-210907Z 3 sec Svc/Data loss non-recoverable

D. STS-97 liftoff at 336/03.06.01.950 was nominal.

E. NAM 499 Enabling Contingency Commanding for HST and other Projects was issued.

01 DECEMBER

A. SN Anomalies – None.

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies:

1. WGS/EO-1 Support

01/0334-0339Z

The 11m antenna was oscillating which cause it to switch back and forth from S-Band to X-Band autotrack. The operator manually put the antenna in program track which corrected the problem. TTR # 23245 CDS # 17571

0334-0344Z 5 Min Svc/Data loss recoverable unknown

2.AGS/TRACE Support

01/1550-1601Z

AGS reported a loss of spacecraft downlink at 155019Z, reason unknown. AGS took the antenna out of autotrace mode when it started to wander, however the downlink was not seen. AGS indicated that their ground equipment checked nominal.
TTR # 23246 CDS # 17572

1550-1601Z 11 Mins 11 Sec Svc/data loss non recoverable

3. WGS/SAC-C Support

01/1500-1513Z

Bit Sync feeding PTP did not lock. The PTP was unable to transfer data to SAC-C MOCC. Post pass troubleshooting showed the digital matrix switch had not properly configured. The system was rebooted and normal operation was restored.
TTR # 23247 CDS # 17578

13 Mins Svc loss

02 DECEMBER

A. SN Anomalies: - None.

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies

1. SGS/QST Support

02/0047-0103Z

At initialization, the Master Computer hung. The support had to be manually configured. Also, the SCC was manually scheduled along with the PTP and other S-BAND equipment. The Master Computer was not updated, a reset after the support was performed to clear the anomaly. TTR # 23248 CDS # 17579

13 Mins Svc loss

2. AGS/EO1 Support

02/0608-0612Z

At X-Band Acquisition the antenna control console automatically selected X-Band controlled autotrack. The antenna was unable to maintain autotrack due to the apparent multipath of the signal. This caused the antenna to drive off and the program to take over and drive back on. Autotrack would take over and repeat the cycle. The operator selected S-Band autotrack to avoid damage to the antenna. The MOC was informed. At MOC direction the operator selected X-Band again. The cycle repeated until the antenna drove off far enough to track a side lobe. The operator recognized the problem and reselected S-Band autotrack. The Spacecraft was at a higher elevation and the X-Band signal had settled down so X-Band autotrack was selected and maintained until the elevation was low enough to cause the antenna to drive off again. The support was completed in S-Band autotrack. During the period of the antenna driving off the X-Band signal the S-Band data stream had high CRC error on VCO and VC1.
TTR # 23250 CDS # 17580

0607-0620Z 3 Mins 55 Secs Svc/Data loss non-recoverable

3. WGS/EO1 Support

02/0105-0114Z

THE Master failed to send the schedule to the SCC. The support was to be started manually and the files pushed to establish service. TTR # 23251 CDS # 17581

2 minutes 30 seconds svc/data loss unknown if recoverable

03 DECEMBER

- A. SN Anomalies: - None.
- B. ISS/ECOMM Anomalies - None.
- C. GN Anomalies

1. AGS/WIRE Support

03/0415-0423Z

During auto-tracking the antenna drove off to the east before AOS. Right after AOS the antenna would not hold auto-track until AOS plus 8 minutes. There were many tracking errors observed during the pass. This anomaly is under investigation

2. SGS/LANDSAT-7 Support

03/0846-0910Z

At initialization, the Master Computer hung. The support had to be manually configured. TTR # 23253 CDS ID # 17584

0855-0910Z 0855-0910Z 6 Mins. 15 Secs. Svc/Data Loss (Non-Recov)

3. AGS/FAST Support

03/1315-1326Z

LEO-T HPA was found in Standby mode. Attempts to establish a command connection to project from TOTS-1 with the Command uplink enabled failed. A manual activate command was sent to the LEO-T HPA for turn on worked, commands were seen leaving the site. (The TOTS U/L was terminated before the LEO-T HPA was activated.) Commanding impact unknown, at this time. TTR # 23255 CDS ID# 17586

1316-1346Z 10 mins. 39 secs. service/data loss non-recoverable

Part II. Testing Anomalies

A. SN Test:

1. SN/ULDB Engineering Test	01/1500-01/2100Z	NCC/STGT/ULDB POCC/WLPS/ NASCOM
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OBJECTIVES:

A. The ULDB payload forward and return link performance via TDRSS.

little more time to resolve.

- C. Command testing was not performed.
- D. This testing will be rescheduled.
- E. The ERPS TD will issue a separate test report.

Part III. Equipment Status Changes :

A. Green Items Since Last Report:

1. WPS 898: SBPA:01-X1, 6M Power Amp, R 11161430Z, Green 12022359Z. Intermittent problem where unit uplink drops in and out with uplink on. Problem cleared during
2. WPS 899: LRSA:02-L6, Satan Receive Antenna #2, R 11272215Z, Green 12031950Z. All hoses replaced and GIMBAL control Panel was repaired.

Part IV. Scheduled Activities:

TERRA/ERPS Parallel Operations Test 23/1415-12/15/2400Z

ULTRA LONG DURATION BALLOON Engineering Test
30/1430-12/04/2110Z

ATLAS IIAS/CENTAUR MLV11 F-1 Data Flow 04/1300-1430Z

Part V. Launch Forecast Changes

*1.) D5721LS (ATLAS/MLV-11) 341 06 DEC.,2000 T-0 =
0100Z