



**Network
Control
Center**

**STDN DAILY REPORT
FOR GMT DAYS
05, 06 ,07 AND 08 JULY , 2001**

Part I. Operations

05 JULY

A. SN Anomalies - None.

B. ISS Anomalies - None.

C. GN Anomalies - None.

D. TDW Stationkeeping Maneuver was completed successfully.

06 JULY

A. SN Anomalies:

1. WSGT/ISS Support

06/1130-1207Z

Forward service loss reported due to the inability to get commands into the spacecraft. Forward chain failover was performed without any change. POCC indicated they suspect an in-house configuration problem. Forward data transition density of 45 to 50 percent was monitored at GRGT and a change to "0" was observed when commands were taken off line. Under investigation. TTR 23947.

UNKNOWN

TDZ SSA-R 37 Mins 51 Seconds Svc Loss

B. ISS Anomalies - None.

C. GN Anomalies:

1. AGS/QST Support

06/1441-1445Z

Late acquisition. At expected acquisition time the spacecraft signal was detected and faded out. After determining the antenna was moving in both axis a time offset was initiated. The spacecraft was acquired a resweep of the transmitter was required to establish command capability. Post pass the track analysis showed up to a 13 degree offset to the ephemeris data. AGCs were good and by the end of the support period there was only approx. 1 second offset. CDS ID # 19151

LATE ACQUISITION

11M 1441-1457Z 3 Mins 41 Secs Svc/Data Loss Recov

2. AGS/SNOE Support

06/1931-2045Z

LEO-T FEP failed to make the TLM and CMD connections to the project. The LEO-T viewer froze, therefore the operator was in the blind as to what was going on with the system. Approximately 2 minutes into the event the SNOE MOC called to inform us that they were not receiving any telemetry. Initially they said that they did have good connections to the LEO-T. This pointed our trouble shooting effort in another direction, away from the real problem. Much later when asked again to confirm that they did have good connections the OPS controller told us that he was looking at the wrong thing and that he did not have any connections to the LEO-T. By this time we were too late in the pass to do anything. A complete system recycle to a cold start was done on the system. CDS ID # 19152

STATION EQUIPMENT

LEO-T 11 Mins Svc/Data Loss Non-Recov

3. AGS/TRACE Support

06/1522-1533Z

TOTS antenna runs off track for Trace support. The TOT antenna ran off track after AOS. This behavior is being monitored as a possible problem resulting from the LHC Tracking Receiver having a problem. CDS ID # 19153

STATION EQUIPMENT

TOTS 1522-1533Z 11 Mins Svc/Data Loss Non-Recov

D. NAM 553 NOD MEETING was issued.

07 JULY

A. SN Anomalies:

1. STGT/TERRA Support

07/1713-1739Z

25 minute forward, 24 min S-band return, and 20 minute K-band return loss due to a C3KTC ADPE failure. TTR 23947 DR 43220.

STATION EQUIPMENT

171 SSAF1/R/KSAR 1 Hour 9 Min. Svc/Data Loss (Non-Recov)

2. STGT/XTE Support

07/1751-1812Z

20 minute forward and 19 minute 30 second return loss due to a negative acquisition. Post pass delog indicates that the TDRS-7 SA2 Forward PDA was commanded from the initial SHO setup of 68 counts to 255 counts which inhibited the TDRS forward for XTE forward event. TTR # 23949

STATION SOFTWARE

171 SSAF2/R 20 Min. Svc/Data Loss (Recov)

3. STGT/UARS Support

07/1811-1814Z

UARS POCC experience 2 return service dropouts cause by a GSFC router reset done by IPNOC. TTR 23950

NASCOM ANOMALY

TDW MAR5 1759-1829Z 38 Sec Svc/Data Loss (Recov)

B. ISS Anomalies:

1. STGT/ISS Support

07/1733-1812Z

19 minute 5 second S-band forward, 19 minute 5 second K-band forward, 19 minute 5 second S-band return, and 19 minute 5 second K-band return loss. Unable to support due to a C3KTC ADPE failure. After recovery of C3KTC ISS acquired at 17:52:52Z. TTR 23947 DR 43220.

STATION EQUIPMENT

171 SSAF1/R 18 Min. 5 Sec. Svc/Data Loss (Return Data Recov)

C. GN Anomalies:

1. WGS/SOLAR Support

07/0327-0339Z

At initialization for support the schedule failed to transfer to the SCC. Attempted to manually schedule support at SCC but after it was saved it failed to display. Noticed that the status screen appeared to be static. Checked instrument enable and found every device offline. Also seeing continuous errors in terminal window. Stopped and restarted 11 Meter process and were able to schedule support. All instruments came online and support was completed. CDS ID # 19154

UNKNOWN

11 METER 12 Min. Svc Loss

2. WGS/SNOE Support

07/0519-0529Z

During support stations receivers were in and out of lock throughout the support and caused several dropouts and high CRC errors during the support. Attempted to time bias antenna but this did not seem to help. No cause for the problem was seen at the station during the support.
CDS ID # 19155

ANOMALY UNKNOWN

LEO-T 0519-0529Z Data Loss (unknown)

08 JULY

A. SN Anomalies - None.

B. ISS Anomalies - None.

C. GN Anomalies - None.

Part II. Testing Anomalies

A. SN Test - None.

B. GN Test - None.

Part III. Equipment Status Changes - None.

\$ = Changed ETRO

** = New Items

Part IV. Scheduled Activities

VERIFICATION TEST OF UARS NEW TAC SYSTEM

09/1500-2000Z

HESSI OPERATIONS READINESS TESTING 09/1600-1946Z

Part V. Launch Forecast Changes

* 1.) M2105LS (STS-105/ISS-10-7A1) NET 07 AUG.,2001

T-0 - 2123Z

