



**Network
Control
Center**

**STDN DAILY REPORT
FOR GMT DAYS
09, 10, AND 11 JULY , 2001**

Part I. Operations

09 JULY

A. SN Anomalies:

1. STGT/UARS Support

09/0946-0947Z

Return link suffered a 6 second dropout due to a loss of TDRS telemetry signal. The POCC was contacted and advised of the dropout but declined to declare a data loss.

TTR # 23951 DR # 43222

STATION EQUIPMENT

TDW MAR 6 Seconds Svc Loss

B. ISS Anomalies - None.

C. GN Anomalies:

1. AGS/SNOE Support

09/1920-2018Z

Bit Synchronizer #1 failed to lock on the receiver video output. The base band signal looked clean at the bit synch input. The operator configured bit synchronizer #2 for SNOE and patched its output to the FEP. Post pass bit synch #1 and 2 were switch in the interim of getting a suitable replacement bit synch.

CDS ID # 19178

3. STGT/ERBS Support

10/1617-1623Z

1 minute 29 second return loss due to a period midway through the event where the Q-channel symbol sync toggled from a lock to no lock condition. A failover to MAR02 resulted in solid lock for the remainder of the event. MAR03 investigation revealed no problems and a RFM (return from maintenance) was done. MAR03 has supported nominally since this event. TTR 23954 DR 43231.

TDS MAR3 1610-1640Z 1 Min. 29 Sec Svc/Data Loss (Recov)

B. ISS Anomalies - None.

C. GN Anomalies:

1. AGS/TRACE Support

10/0640-0642Z

Approximately 3 minutes after AOS, the antenna ran away in AZ. Operator went to program track and reacquired in 25 seconds. System was put back into auto track and ran away in AZ again then put back into program track and reacquired in 7 seconds. The left hand tracking receiver was disabled followed by putting system back into auto track with no further problems. CDS ID # 19182

STATION EQUIPMENT

11M 0637-0650Z 32 Sec. Svc/Data Loss (Non-Recov)

11 JULY

A. SN Anomalies:

1. STGT/ERBS Support

11/1624-1822Z

POCC reported 22 second loss due to a dropout midway through the event. This event similar to the event on day 191 at 1617Z utilizing TDRS-6/MAR03. Investigation reveals no

problems at WSC. Telemetry indicates a slow degradation of signal up to the point of the dropout, followed by a re-lock and steady increase in the signal. Anomaly is under investigation.
TTR # 23955

UNKNOWN

TDS MAR2 1611-1642Z 22 Sec. Svc/Data Loss (Non-Recov)

TDS MAR5 1752-1822Z 45 Sec. Svc/Data Loss (Recov)

B. ISS Anomalies - None.

C. GN Anomalies:

1. AGS/JASON Support

11/2000-2030Z

The LEO-T bit synch #1 failed to lock on the SNOE 128 kbps data during yesterdays contact. An IDR was generated, fixed and closed. We thought that the bit synch had been fixed by replacing the A4 detector pc card. Today during the SNOE pre-pass activity the operator noted that the bit synch failed to lock on the PN turnaround. The impact to the support was avoided by manually swapping the two bit synchs at the patch panel. Post pass the two bit synch were physically swapped. As part of the check out we conducted a Jason in-house data flow test that failed. Trouble shooting results points to a faulty encoder card in the bit synch. A request was submitted to Wallops to locate a suitable replacement and provide the necessary information to cut a parts request for the replacement. In the interim we will continue to work the encoder problem. CDS ID # 19188

STATION EQUIPMENT

LEO-T 2000-2030Z No data loss declared.

D. STS-104 was successfully Launched 193/09:03:58.955Z from KSC.

Part II. Testing Anomalies

A. SN Test - None.

A. GN Test:

1. UHF AGVE CHECKOUT 09/1600-1800Z GSFC/NISN/NCC
OAK HANGER (LION) MCC/ESTLE/
MOSA/JSC JSC

OBJECTIVES:

To verify the levels and equipment operation of the UHF AGVE at LION (OTS).

RESULTS: OBJECTIVE NOT MET.

REMARKS:

Due to the testing schedule at JSC, JSC was interfaced to LION for UHF AGVE checkout first. The prime circuit (F-140), OAFS to OTS was tested and levels were found to be hot to JSC (-2.8 dB vice -10 dB) from LION. LION was unable to adjust the levels to within specifications. The backup circuit (F-102) was tested and found to have the same problem (-2.7 dB vice -10 dB). Both circuits were logged out to the commercial carrier for checkout. OAFS will advise GSFC when the circuits are restored.

Part III. Equipment Status Changes - None.

\$ = Changed ETRO

** = New Items

Part IV. Scheduled Activities:

GOES-M LAUNCH MINUS 4 HOUR MISSION SIM. 1130-1600Z

VOICE COMMUNICATION TEST WITH JPL 1600-1900Z

Part V. Launch Forecast Changes - None.

