



**Network  
Control  
Center**

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

**Part I. Operations**

**05 APRIL**

**A. SN Anomalies - None.**

**B. ISS Anomalies - None.**

**C. GN Anomalies:**

**1. AGS/TRACE Support**

**05/1224-1234Z**

The system brought up carrier and swept, but the command modulation was not applied correctly. It is not clear whether this problem was hardware or software related. The project reports that all data was D/L fine, but no commands were processed. TTR # 23804 CDS ID# 18448

LEO-T 10 Mins. Service Loss

**2. PF1/EO1 Support**

**05/064916-070321Z**

After the command uplink was established, the automation software began a resweep of the uplink and the s/c receiver lost lock. The operator halted the automation software and manually reestablished the uplink. One command had to be retransmitted to the spacecraft but all commanding objectives were met. TTR # 23805 CDS ID# 18451

PF1 10 Secs. Service Loss

**3. WGS/TOMS-EP Support**

**05/162448-163744Z**

Following AOS noticed that the HPA did not go to operate mode. Tried to activate manually, without success. Configured the 9M to the S/C to provide an uplink to the S/C. Completed the pass without any data or command loss. Following the support we checked the system and found that the HPA located in the 11M pedestal had a current fault. Reset the system, now operational. TTR # 23807 CDS # 18455

11 Meter 12 Mins. 56 Secs. Service Loss

#### **4. WGS/SOLAR Support**

**04/0411-0413Z**

At AOS, downlink carrier was very noisy, causing degraded data quality. Immediately made switch to 7.3 Medium Gain Antenna NR. 2 and completed remainder of support. Post-pass investigation consisted of 3 pass simulations with 9 Meter, a operational check of the S-Band down converter for corrupted timing signal, shadow tracking subsequent SOLAR-A supports and not once duplicating problem. To date, problem has not re-occurred. TTR # 23808 CDS # 18457

9 Meter 1 Min. 30 Secs. Data Loss Non-recoverable

D. TDRS-7 East maneuver was nominal.

06 APRIL

A. SN Anomalies: - None.

#### **1. HST Support**

**6/144501-1515Z**

HST cancelled a MAR/SSAF SHO and re-added it with as a MAR/SSAF/SSAR, they got a good ack/confirm from NCC at 11:39:51. The SHO cancellation msg got to WSGT (at 11:38:15), but not the new SHO. Since that SHO was lost, HST added a MAR SHO from 15:15:00 to 15:35:42 to check out there spacecraft. Then, they did send in a delete/add for their event at 16:27:46, that SHO came in ok. TTR # 23809

OS Note: The cancellation time of 11:38Z for the delete, and the time reported as the NCC receipt acknowledgement of 11:39Z for the add, violates NAM 489 that requires 10 minutes between deletes and adds.

TDE 1444-1535Z 30 Mins. Service/Data Loss Non-Recoverable

## **2. NCC Equipment Anomaly**

**6/164047-164222Z**

HST POCC reported problem getting a mode 1 GCMR through. NCC had to reset the EMGM on the CCS due to an earlier Server problem. Subsequent GCMRs sent by POCC got through ok. CSC offered to send the GCMR for the POCC, but they declined. This is a resched. SHO from earlier problem with HST. TTR # 23810 (REF TTR # 23809).

TDE1627-1719Z 1 Min 35 Secs Service/Data Loss  
Non-Recoverable

## **3. STGT/UARS Support**

**6/194630-195258Z**

MA CAL source was off pointed due to WSC operator error.  
OS NOTE: procedural step 54 missed. TTR # 23815  
DR # 42881

TDW 1946-2004Z 6 Mins. 28 Secs. Svc/Data Loss  
Non-recoverable

B ISS Anomalies - None.

A GN Anomalies:

## **1. AGS/FAST Support**

**6/1342-1405Z**

When the ACC engaged autotrack, once the satellite has cleared masking, the antenna drove to -7.44 degree elevation. This has happened 6 times in 7 days... 4 times on FAST supports, and twice on TRACE. This is the second time that the antenna would not move when autotrack was disengaged, see IDR #18426, and

it had to be manually cranked out of limits. Once the antenna had been cranked out of limits it tracked the remainder of the support without problems. TTR # 23811 CDS ID# 18458

TOTS 12 Mins Service/Data Loss Recoverable

## **2. SGS/EO1 Support**

**6/124112-125140Z**

PTP hang during support, no command socket connection, and no commanding was possible during support. Error message on PTP: Low on virtual memory. PTP was rebooted and we have not experienced PTP problem on the following supports.  
TTR # 23812 CDS ID# 18461

11M 10 Mins 28 Secs Service Loss

## **3. SGS/LSAT-7 Support**

**6/141408-141558Z**

The temporary fix performed with SCC controls before each RHC-X band track was done, but became overridden when another SCC configuration was loaded by operator before pass. When X-band tracking started, data scopes showed high error counts and S-band tracking was selected and maintained throughout the pass. LS7 control advised that the X-band dump consisted of PN data from 14:15:35 till 14:15:41. Playback of the recorded tapes showed degraded data till about 14:15:58, thereafter normal counts on data scopes for X-low and X-medium.  
TTR # 23813 CDS ID# 18462

11M 1 Min. 50 Secs Service Loss 17 Secs. Data Loss  
Recoverable (Unknown)

## **4. SKS/QST Support**

**6/131849-133130Z**

The 4 kb and 262 kb telemetry data was lost by loading the wrong tracking code for this event. The station was not correctly configured for this QuikSCAT support.  
TTR # 23814 CDS ID# 18463

S-BAND 12 Mins. 41 Secs. Service/Data Loss Non-Recoverable

## **5. PF1/EO-1 Support**

**6/073222-074611Z**

EO-1, orbit 1974, loss of spacecraft lock during pass. The automated uplink sweeping routine appeared to operate normally, locking up and turning on modulation. However, the uplink signal began to sweep during the pass with modulation on. The EO-1 MOC was unable to verify any command sent. MOC reported that all payload data was recoverable. Service loss 13 min 49 sec data recoverable.  
TTR # 23816 CDS # 18464

13 Mins. 49 Secs. Svc/Data Loss Recoverable

## **6. WGS/TRACE Support**

**6/2233-2245Z**

TOTS TDF froze and would not re-boot. Will replace with the TDF in AWOTS in an attempt to provide tracking data. Tracking Data loss only, No other problem with the pass.  
TTR # 23817 CDS # 18465

TOTS 12 Mins. Service Loss

07 APRIL

A SN Anomalies - None.

A ISS Anomalies - None.

A GN Anomalies:

## **1. SGS/QST Support**

**7/0413-0500Z**

Master failed to set up node 1, 2 and 3. Manual setup of station and manual start of PTP, TDF and Metrum recorder. Incorrect setting of bit sync #2 caused loss of first part of 262 dump, until corrected by enabling FEC and the last 897 frames of the 262k were saved. Manual transfer of PTP files and TDF file after pass. TTR # 23818 CDS # 18466

11 Meter 38 Mins. 26 Secs Svc/Data loss  
Recoverable (unknown)

## **2. SGS/QST Support**

**7/010050-011607Z**

Wild "PIDs" hangs SCC S/W at AOS. Which caused a late acquisition. This is an old problem. When the SCC starts to print messages about "MSG Send: Failed pid xx to pid xx mid Qid(h)". The only solution is to restart the SCC S/W, because the SCC is impossible to control. This problem happens normally 1-2 times a day. TTR # 23819 CDS ID# 18467

11Meter 3 Mins. 38 Secs Service/Data Loss Recoverable  
(Unknown)

D. DELTA/MARS ODYSSEY launched at 1502.21:860Z was nominal.

08 APRIL

A. SN Anomalies:

### **1. HST Support**

**8/1940-1942Z**

MA return 3 IR cold command failed after HST GCMR to MODE 1 with effective time in the past. This resulted in a failover to spin up chain MA return 6. TTR # 23824 DR # 42893

TDW 1937-2019Z 1 Min. 39 Sec. Svc/Data Loss (Non-Recov )

B. ISS Anomalies:

### **1. ISS Support**

**8/1352-1409Z**

ISS reported not receiving 50MB. Common Carrier failed to switch support from WSGT to STGT. NASCOM operator error. TTR # 23821

TDRS-6 1352-1447Z 16 Mins. 3 Secs Service Loss  
13 Mins. 17 Secs. Data loss Recoverable

C. GN Anomalies:

**1. WGS/FUSE Support**

**8/1426-1435Z**

LEOT system hung and did not complete the configuration. The Kronite Filter hung up and the system was not able to complete its configuration of the system. The filter was displaying (bad1) on the front panel where it normally displays the frequency. Powering the unit off several times eventually brought it back on line. When it came back on line it picked up where it had left off, running the BERT even though we were almost to the end of the pass. TTR # 23823 CDS ID# 18471

LEOT 9 Mins Service/Data Loss Recoverable (Unknown)

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:

OAFS Data Flow Test STS-100

09/1700-2000Z

AGS/SGS/WGS/TERRA GSIP Parallel Operations 09/1701-1713Z

HESSI Operations Readiness Testing

09/1830-2030Z

## Part V. Launch Forecast Changes

\* 1.) M2104LS (STS-104/ISS-10-7A) 165 14 JUN.,2001 T-0 =  
2015Z

\* 2.) H3332LS (ATLAS/ICO-A1) NET 19 JUN.,2001 T-0 =  
0500Z