



**Network  
Control  
Center**

STDN DAILY REPORT  
FOR GMT DAYS  
04, 05 AND 06 DECEMBER 2000

## Part I. Operations

04 DECEMBER

A. SN Anomalies – None.

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies:

1. AGS/FAST Support

4/0029-0054Z

At 3 minutes prior to AOS TPCE was configured for Fast support. When connection was established TPCE immediately started giving wtmsg2 message and cmdsend connection message. Operator broke connection and reestablished connection with same indications from TPCE. Goddard Voice was unable to get Fast personnel on voice ckt. or Black Phone. At approximately 5 minutes to LOS the TOTS Operator notice a Command connection was established. Operator then called Berkley and Fast personnel answered. They said the problem was on there end but was not sure what the problem was. TTR # 23257  
CDS ID # 17587

0029-0059Z 24 Min. Svc/Data Loss (Recov)

2. AGS/FAST Support

4/1532-1602Z

TOTS -1 Antenna was tracking an unknown object. Disabled Auto-track forcing system into Program track mode. After acquiring the scheduled support S/C, engaged Auto-track from the ACC, to complete the support without incident. (Only VC-0

was affected.) TTR # 23258 CDS ID# 17589

58 seconds service/data loss non-recoverable

### 3. WGS/SEAWIFS Support

4/1747-1800Z

The station notice that the SCC had not received schedule from master. Started manual schedule and system configured in time for nominal AOS. While waiting for receiver lock, noticed that the antenna was not tracking spacecraft due to auto-track on noise. Selected program track and captured downlink.

TTR # 23259 CDS ID# 17596

4 minutes service/data loss recoverable

## 05 DECEMBER

### A. SN Anomalies:

#### 1. EO-1 Support

05/1915-1935Z

NCC Scheduling failed to enter a requested EO-1 event into the WDISC located in the NCC. This resulted in a 20 minutes 9 seconds service and data loss. To clear the anomaly the operator had to manually turn on the PTP. TTR # 23266

275 1915-1942Z SSA2F/R 20 Min. 9 Sec. Svc/Data Loss  
(Non-recov)

#### 2. 1313 Test Support

05/2108-2139Z

Two Scheduled 1313 BRTS failed to acquire at the schedule time both Events were rescheduled and also failed to acquire reason unknown. TTR # 23267

171 2108-2112Z SSA2F/R 4 Min. Svc/Data Loss

171 2135-2139Z SSA2F/R 4 Min. Svc/Data Loss

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies

1. AGS/QST Support

05/0302-0310Z

QST Orbit #7617 (340/03:02z). At AOS we were unable to lock to the 4k low rate telemetry data (on the PTP). We had good values on the Demod and the signal looked ok on the scope. We were able to lock to (on the PTP) the 262 and the 2M. No problems with either one. Reloaded Bit Sync #1 with the QST 4K configuration . We were then able to lock to the 4K data on the PTP. Some drops were noted. We will power cycle Bit Sync #1 and reload the QST 4K configuration to see if that clears the problem. TTR # 23261 CDS ID # 17611

0302-0316Z 8 Min. Svc/Data Loss (Non-Recov)

2. AGS/WIRE Support

05/0230-0231Z

TPCE configured for support 5 minutes prior to AOS. Approximately 1 minute into the support the TPCE connection dropped. Operator reestablished the connection and no further problems encountered throughout the support. Reason for the anomaly is unknown. TTR # 23265 CDS ID # 17611

0229-0237z 1 Min. Svc/Data Loss (Recov)

3. WGS/SAC-C Support

05/0400-0411Z

SAC-C scheduled as a tracking data only support but the spacecraft appeared not to be turned on. The station implemented a time bias and also utilized the 9M to observe a downlink. No signal was present. TTR # 23263 CDS ID # 17614

0359-0411Z 11 Min. Svc/Data Loss (Non-Recov)

4. AGS/FAST Support

05/0447-0510Z

LEO-T did not bring HPA online at the scheduled time (340/04:47:55Z). The Station operator had to manually bring up HPA (340/05:09:58Z) do not know the impact to commanding at this time. When the command was sent to the HPA to bring up the carrier (with modulation). No sweep occurred due to a dump being performed simultaneously as the command to the HPA was being sent. Problem will be investigated further. TTR # 23264 CDS ID # 17615

0449-0519Z 22 Min. 13 Sec.Svc Loss

5. AGS/SAC-C Support

05/0723-0738Z

SAC-C tracking data only support event was scheduled, but S/C was not (?) turned on. Time bias of +/- 180 seconds was used to locate the S/C as well as scan mode for AZ & EL of +/- 1.5 degree (with the time bias), with negative results. Attempts were made to contact the project, with negative results. Status unknown. TTR # 23262 CDS ID # 17613

0723-0737Z 14 Min. 3 Sec. Svc/Data Loss (Non-Recov)

6. WGS/QUICKSCAT Support

05/2324-2328Z

The 2M had been checked out earlier however when the problem with the other data rate came up, apparently this patch cord got hit, once the data rate problem had been corrected the 2M was not re- checked. Operator was not aware a patch was either hit or pulled that affected the 2M. TTR # 23268 CDS ID # 17627

2321-2336Z 4 Min. Svc/Data Loss (Non-Recov)

D. ATLAS/CENTAUR-157 MLV-11 was successfully launched at 341/02:47:01.254Z .

06 DECEMBER

B. SN Anomalies:

1. SPTR Support Anomaly

06/1543-1645Z

No K-band return lock at service start. Software engineering at STGT, had to remotely restart the software on the file server at the South Pole to correct the anomaly. TTR # 23273

TDRS-1 1543-1645Z KSAR2 1 HOUR 1 Min. 10 Sec. Svc Loss

2. EUVE Support Anomaly

06/1920-1924Z

Late acquisition CSC reported no return service lock on data POCC requested CSC send a forward service reacquisition GCMR. Spacecraft was acquired at 19:23:11Z. TTR # 23272

TDE 1920-1931Z MAR3 2 Min. 41 Sec. Data Loss (Recov)

B. ISS/ECOMM Anomalies:

1. ISS Support Anomaly

06/0612-0727Z

At the end of an ISS Event 06:12:07Z the GDIS lines went down. Anomaly was found to be one T1 circuit, number (956895). This resulted in reduced user bandwidth. Suspect a common carrier problem, source of anomaly is unknown. TTR # 23270

275 0712-0754Z SSA1R 14 Min. 55 Sec. Svc/Data Loss  
(Non-Recov)

2. ISS Support Anomaly

06/2336-0012Z

GRGT reported loss of GDIS aggregate data. Investigation revealed that while the GWM common carrier was troubleshooting a T1 circuit outage they inadvertently impacted the ongoing ISS support. TTR # 23274

275 2336-0012Z SSA1F/R 16 Min. 29 Sec. Svc/Data Loss  
(Non-Recov)

## C. GN Anomalies:

### 1. WGS/EO-1 Support

06/0225-0237Z

Following start of track, noticed that the BIT SYNC had intermittent lock. Found that the elevation axis was not moving . put the system in program track, this cleared the problem. Once the system was above masking and had initiated the autotrack, noticed that the elevation axis was oscillating, giving intermittent lock on both X and S-band. Put the antenna in program track for approximately 1 minute and went back to the autotrack. System appeared to be tracking okay. Following PCA, the antenna once again started oscillating again. Put the system in program track for the remainder of the track. This is not the first time that this has happened and needs engineering support. TTR # 23269 CDS ID # 17628

0225-0237Z 12 Min.Svc Loss

## Part II. Testing Anomalies

A. SN Test - None.

B. GN Test - None.

Part III. Equipment Status Changes - None.

## Part IV. Scheduled Activities:

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

JASON-1 Tracking Interface Test 07/1420-2100Z

NOAA-16 McMurdo Command System Test 07/1800-2400Z

## Part V. Launch Forecast Changes

\* 1.) M2102LS (STS-102/ISS-08,5A.1) 046 15 FEB.,2001 T-0 =  
2017Z