



**Network  
Control  
Center**

**STDN DAILY REPORT  
FOR GMT DAYS  
22, 23, 24 AND 25 FEBRUARY 2001**

**Part I. Operations**

**22 FEBRUARY**

A. SN Anomalies - None.

B. ISS/ECOMM Anomalies - None.

C. GN ANOMALIES:

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

**21/2213-2214Z**

After the command uplink was established, the automation software began a resweep of the uplink to re-establish lock. The s/c momentarily lost lock and then reacquired the uplink. This occurred during a break in the commanding from the MOC, no data was lost. TTR # 23640 CDS ID# 18162

11 METER 2210-2224Z 30 Secs. Service Loss

**2. PF1/EO-1 Support**

**22/0440-0443Z**

Shortly after AOS the frame sync locked but the combiner was not locked for 90 seconds. Before the operator could initiate corrective action, the combine went to a lock state.

TTR # 23641 CDS ID# 18163

11 METER 0436-0449Z 1 Min. 30 Secs Svc/Data Loss (Recov)

**23 FEBRUARY**

A. SN Anomalies - None.

**1. FUSE Support**

**23/1738-1739Z**

FUSE reported two PTP socket was disconnected. Several reboots were performed to clear the anomaly. TTR # 23643

TDS SSA2F/R 1731-1750Z 1 Min. 02 Secs. Service Loss

**2. FUSE Support**

**23/2136-2212Z**

During the TDRS-S event degraded telemetry caused the PTP to output partial packets, which then crashed the POCCs front end processor. The POCC did not completely recover their system from the TDRS-S event before the TDRS-3 event was scheduled to start at 2153Z. TTR # 23644

TDS SSA1F/R 2115-2150Z 14 Minutes Service loss

275 SSA2/FR 2153-2251Z 19 Mins. 36 Secs. Service loss

**3. Terra Support**

**23/2204-2210Z**

The ground station support was scheduled as a non-coherent event with the spacecraft configured as coherent. A GCMR to coherent mode was transmitted and the event acquired.

TTR # 23645

TDS SSA2F/R 220435-221600Z 5 Mins. 47 Secs. Data Loss

**4. FUSE Support**

**23/2340-2355Z**

Due to a NCC operator error. The PTP connection was scheduled for STGT vice WSGT. The NCC operator deleted the PTP event and rescheduled the event on WSGT PTP.

TTR # 23646

275 SSA2F/R 23/2340-24/0035 15 Mins. 10 Secs. Svc/Data Loss

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies:

**1. AGS System Anomaly**

**23/2323-2352Z**

When a new schedule is sent to the Master computer it usually halts the system and requires a reboot reason unknown. The operator then rebooted the entire station, Nodes 1,2 and 3, Master, SCC and digital switch. The system came up nominal. We were told that the 3.4 ATS upgrade would solve this problem It has not. After a master schedule is pushed to AGS, the system must be watched for 30-45 minutes to insure that it does not halt. When it does halt, there are no error messages to alert the operator, thus risking the chance of lost data on the following pass. TTR 23647 CDS # 23647

- D. The launch of D5907LS TITAN IV CENTAUR/B-41 MILSTAR has slipped 24 hours from 24 Feb 2001, DOY 055/1909-2309Z due to data dropouts observed during internal checks on the TITAN. The new launch date is 25 Feb 2001, 056/1905-2305Z.

24 FEBRUARY

A. SN Anomalies:

**1. FUSE Support**

**24/2114-2134Z**

The POCC was unable to send commands to their spacecraft due to the PTP was still configured for the previous support. The POCC could not reconfigure the PTP prior to even termination. No data loss reported. TTR # 23650

275 SSA1F/R 20 Mins. Service Loss

- B. ISS/ECOMM Anomalies - None.

C. GN Anomalies:

## **1. SGS/QST Anomaly**

**24/0330-0520Z**

Prior to this support the SCC had problems updating the NASA GUI from screen saver, it took a couple of minutes to get back to normal state. At init. the SCC was not set up for support, and the schedule on the SCC was empty. No error message was displayed on the ATS. The operator restarted the SCC and the schedule came back. After restart this error message was displayed: Unable to bind listens address to socket, error EADDRINUSE. The SCC had to be scheduled manually. During support the ATS lost connection to the SCC. After LOS the antenna was still in LOS position, and no Postpass was performed by the SCC. At LOS this error message was displayed: CRITICAL SYSTEM ERROR (UIF) Message sends failed. Operator tried to stow the antenna manually, but with no success. In the dtterm window this error message was running: MSG: send Failed pid 8 to pid 8 mid 3 Qid(h) 171 err 11 flg 2048. Had to go into the xterm window to enter Stop command.  
TTR # 23648 CDS # 18166

11M 034413-035920Z 15 Mins. 7 Secs. Service Loss

## **2. SGS/EO-1 Support**

**24/0928-0940Z**

When EO-1 tried to command S/C they reported that the commands Didn't get through to S/C. The station didn't see the cmds getting to the PTP at all. No errors were found on our PTP. The station had good socket connections and received good TLM. After support the when the stop command was sent to the PTP the PTP SW hung up. We also learned that the EO-1 MOC had stopped receiving RT TLM a couple of minutes after AOS. This made us believe that The PTP has somehow hung up during support, but still showed us that we were receiving TLM. After the reboot of the PTP we also got back the problem with clock absent on one of the cards (This problem has been seen on all cards, and we think it is a HD or Driver problem with the PTP it selves). We prepared the Spare PTP had was about to swap. But we have run into some software problems with the spare and will need to wait until support from US can be given

before we do the swap. The operational PTP is still in use, but unstable. If we take our precaution when rebooting the PTP we can use it until the spare is fixed. In case of more trouble with operational PTP we have the Playback PTP as backup.  
TTR # 23549 CDS ID# 18167

11 Meter 10 Mins. 22 Secs. Service/Data Loss Recoverable

### **3. AGS/TEP Support**

**24/2049-2102Z**

Five minutes prior to start of track, operator noticed that analog switch did not configure for the upcoming support. The status screen on the master was logged out and then logged back into a new connection could be established with the equipment. This corrective action was performed to closed the start of event time and caused the master to lose connection with all equipment. The back up master was then used to manually configure the equipment. Some of the equipment was configured, but the back up master hung trying to configure the analog switch. The remaining equipment could not be configured due to this. TMOC was informed of the data loss. TTR # 23651 CDS ID# 18168

TOTS 11 Mins. 34 Secs. Service/Data Loss Non-Recoverable

- D. The launch of D5907LS TITAN IV CENTAUR/B-41 MILSTAR has slipped from 24 Feb 2001, DOY 055/1909-2309Z due to data dropouts observed during internal checks on the TITAN. The new launch date is 27 Feb 2001, 058/1857-2257Z.
- E. Long Duration Balloon Project (1502) was launched at 2319Z.
- F. Per. Houston the on-orbit ISS Soyuz Undocking from one port and Re-docking to another took place from 055/100600Z until 055/103500Z with no problem.

25 FEBRUARY

A. SN Anomalies - None.

## **1. FUSE Support**

**25/0046-0100Z**

The POCC experienced a dropout due to a bad software load to the spacecraft. The POCC reported that there was not enough time to correct the problem prior to event termination. No data loss declared. TTR # 23652

275 SSA1F/R 0040-0100Z 13 Mins. 32 Secs. Service Loss

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies

## **1. AGS/QST Support**

**25/0146-0235Z**

Approximately 3 minutes prior to initialization, operator noticed an error message stating "no message send" the following error was also found "Unable to bind listen address to socket, error EADDRINUSE". The SCC would not communicate with any outside source. After stopping and starting the system, the ephemeris and satellite data came back but the "no message send" error was still there. At initialization, the system pushed and looked normal in the beginning, then the Metrums, PTP, and 11 meter all red boxed. The PTP screen was empty, after loading would not enable. No data was captured. Moc stated they would capture science data at next station. Bringing down the entire station, SCC, Master, nodes, PTP's, TDF, ACU and bringing back up, system normalized. Note: this same error has been occurring at SGS for the past several days. TTR # 23653  
CDS # 23653

11 Meter 0149-0200Z 11 Mins. 8 Secs. Data Loss  
Non-Recoverable

## **2. AGS/FAST Support**

**25/1130-1135Z**

The wrong configuration number was used to set up the station reason unknown. No data loss declared. TTR # 23654  
CDS # 18170.

TOTS 1130-1139Z 5 Min 18 Sec Service Loss

### **3. WGS/SEAWIFS Support**

**25/1814-1827Z**

The project reported no downlink for the spacecraft. There is a possibility their spacecraft may be in safe hold mode.

TTR # 23655 CDS ID # 18171

11 Meter 13 Min Service/Data Loss(Recov Unk)

D. Long Duration Balloon Project (1502) terminated TDRS support at 031530Z due to a hole in the balloon.

#### 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:

JSC/WSC/MSFC ISS Scheduling/Configuration Eng. Data  
26/1527-2100Z

AGS/SGS/WGS TERRA GSIP Parallel Operations Test  
26/1448-1501Z

Part V. Launch Forecast Changes - None.