



**Network  
Control  
Center**

STDN DAILY REPORT  
FOR GMT DAYS  
26,27, 28 AND 29 JULY , 2001

## Part I. Operations

26 JULY

### A. SN Anomalies:

#### **1. WSGT/HST Support**

**26/111330-1114Z**

HST had a MA/SSA2 cross support following another user SSA2 event. The time between the end of the first event (other user), and the start of the HST SSA2 service was 1 minute 30 seconds. The critical support on the first user required that the SA antenna soft limits be defeated. At SHO end, the SA2 antenna was left in a position outside it's normal range. the 1 minute 30 seconds between shows did not allow enough time for the SA2 antenna on TDRS East to slew from where it was left at SHO termination to the position required for HST acquisition. The end result was a 30 Secs delay in acquisition on SSA2 forward and return for HST. No data loss was declared by HST. TTR # 23981

TDE SSA/F MAR 1108-1200Z 1 Minute Service Loss

### B. ISS Anomalies - None.

### C. GN Anomalies:

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

**26/181027-181324Z**

FAST #19536 (207/17:50z): During this support the antenna apparently started tracking an unknown RF source (the antenna was in Auto track Possible SUN track). We had LOS at

07/18:10:27z with S/C required @ 207/18:13:24z with "Go for Command" @ 207/18:14:43z (Up link was re-swept). Project was notified of the Problem and reported that they had already gotten in all of their critical commanding for this support prior to the drop. Their system was in an automated mode and only sending out No-Ops on a regular basis. CDS ID#19334

TOTS-1 1750-1820Z 4 Mins. 16 Secs. Service Loss 2 Mins. 57 Secs. Data Loss Recoverable

D. NAM 558 TRMM Orbit Raising Activities was issued.

E. The launch of Y3331LS TITAN IV IUS/B-31 has slipped 24 hrs., from 27 July 2001, DOY 208/0808-1208z due to a guidance system anomaly with the launcher. The new launch date is 28 July 2001 209/0804-1204z.

27 JULY

A. SN Anomalies - None.

B. ISS Anomalies - None.

C. GN Anomalies:

### **1. SGS/LANDSAT-7 Support**

**27/1051-1115Z**

During initial phase of X-band support Recorder #4 was unable to load LS7 tape. To do this, the recorder first had to unload the AM1 tape present but this failed because the tape was placed on top of the robot. Err message: 10:51:31 Recorder #4, error moving cartridge from drive. No data loss since Recorder #4 is used as a backup recorder during LS7 supports. CDS ID # 19335

X-BAND 1057-1113Z No data loss declared.

## **2. WGS/GOES Support**

**27/2050-2108Z**

Station took a power hit, all systems shutdown. Reason for power outage is unknown, it was confirmed that the generator was running at the time the outage occurred. The UPS system was not on line, we were on commercial power due to a prior failure of the UPS system. Power outage occurred at approximately 1650Z, the station had data flowing to the Goes project at approximately 1708Z. Most of the stations equipment was back on line at approximately 1730Z. A call was placed to Kirt Dankmire after the SAFS was brought back up to ensure the system was on line. CDS ID # 19351

STATION ANOMALY 18 Min. Svc/Data Loss Rec. (Unknown)

## **3. AGS/FAST Support**

**27/2213-2220Z**

Loss of Data during the first part of this support due to a patch problem. The operator did not get the patch for the previous support (TOMS-EP using both the TOTS and the 11M antenna) pulled until approx. 7 min into the support. This caused a loss of data during the first 7 min of this event, due to the fact that the Bit Sync and Front End Processor were looking at the data line from the 11M antenna and the 11M was not tracking anything. The patching error was corrected and data was collected for the rest of the support. CDS 19357

### **Operator Error**

TOTS-1 2213-2242Z 7 Mins Svc/Data Loss Non-Recov

- D. The launch of D3331LS TITAN IV IUS/B-31 for 28 July 2001, DOY 209/0804-1204Z has slipped indefinite due to a guidance system anomaly. The new launch date is NET 13 August 2001.

28 JULY

A. SN Anomalies:

## **1. STGT/TERRA Support**

**28/0917-0918Z**

The High Rate Data Switch (HRDS) was inadvertently left in 'local' as this event configured. This resulted in connections not being made to allow data off site. A manual connection was quickly performed and the POCC received data. The HRDS was in 'local' due to ongoing maintenance that overran the allotted window when problems making certain switch connections cropped up (see SN Supported Activities). POCC declared no data. TTR 23983

### **Operator Error**

TDRS-6 SSA-2 0914-0939Z 1 Min 16 Secs Svc Loss.

B. ISS Anomalies - None.

C. GN Anomalies:

#### **1. WGS/SEAWIFS Support**

**28/0345-0358Z**

Antenna did not track spacecraft. All pre pass activities were normal, antenna positioned to Intercept Point as directed by Master and SCC computer. At scheduled AOS, tracking receivers locked on D/L signal for 10 seconds and then nothing. Noticed antenna was not moving and began attempt to manually acquire D/L with no success. Antenna would not respond to program track angles or to autotrack command. Antenna movement was only possible by utilizing the Rate Function. Post-pass investigation is in progress. CDS 19352

#### **EQUIPMENT PROBLEM**

11 M 0345-0358Z 9 Min 30 Sec Data /Svc Loss Recov.  
(Unknown)

#### **2. WGS/TOMS-EP Support**

**28/0443-0518Z**

Antenna did not track spacecraft. Same occurrence as on SEAWIFS support. All pre-pass activities appeared to be normal with antenna positioning to Intercept Point and captured D/L for about 10 seconds and then nothing. Antenna was not moving in response to program track commands nor autotrack. Would move

in response to Rate function. Post pass troubleshooting showed antenna would respond to Collimator Tower autotrack commands at similar D/L frequencies. Problem is most likely associated with the earlier station power hits. Will continue to troubleshoot.  
CDS ID # 19353

11M 0443-0456Z 4 Min. 37 Sec. Svc/Data Loss (Recov)

### **3. WGS/SAMPEX Support**

**28/0508-0518Z**

Uplink PA failed at AOS. All attempts to restore system remotely failed as did a local power reset inside the pedestal. All pedestal power was recycled post-pass and the PA came back on line. Operational checks were good and TOTS-3 PA is now green to support FAST no-ops command at 0851Z. CDS ID # 19355

TOTS-3 28/0508-0518Z No Commands were up-linked.  
10 Min. Svc/Data Loss

29 JULY

A. SN Anomalies:

### **1. WSGT/ERBS Support**

**29/0708-0715Z**

POCC reported 14 momentary sync errors on the I channel. Station delog revealed no I channel losses of lock (including no frame sync loss of lock). Reason for this anomaly is unknown.  
TTR # 23984

TDE SSA1F/R 0708-0717Z No data loss declared.

B. ISS Anomalies - None.

C. GN Anomalies - None.

D. TDRS-3 GUAM (275) Experience a ETO at 1148Z due to severe weather at Guam. Station was able to get commands

