Network Control Center

STDN DAILY REPORT
FOR GMT DAYS
11, 12 AND 13 DECEMBER 2000

Part I. Operations

11 DECEMBER

SN Anomalies

1. STGT/XTE Support 11/0543-0813Z

1st Event. SGLT-1/TDRS Spare SHO ID 5270257. User reported not receiving data for event. No anomalies noted on SGLT. The POCC was unmanned.

2nd Event. SGLT-3/TDRS 171 SHO ID 5270268. User reported not receiving data for event. No anomalies noted on SGLT. The POCC was unmanned.

3rd Event. TDRS West SHO ID 5270272. User reported not receiving data. Since problem involved multiple SGLTs, STGT requested CD Manager investigate this problem.

CD Manager disabled and enabled lines to user PTP. User reported receipt of data after lines were reset. The POCC was unmanned until 3rd Event. POCC reported seeing data at 07:41:55Z. CD Manager checked lines after 3rd event and line test failed. CD Manager then reset the desktop which was completed at 08:13:00Z.

TTR # 23293 50 Min 14 Sec Svc/Data Loss (Recov).

2. WSGT/ISS Support 11/0807-0809Z

WSGT received an alert message indicating the system had an

out dated vector for this event. The CSC checked the vector in the system and found it had an epoch time of 10 DEC 2000Z The CSC immediately requested NCC send a current vector for SIC 8000. At AOS the SHO did not acquire, however, after receipt of the new vector (approx 08:09:19) the event locked. After talking with the NCC we discovered there was an oversight, the SIC 8000 vectors were not sent during the daily vector transmission No data loss declared by the POCC. TTR # 23294

0807-0831Z TDE SSA1 F/R 2 Min 19 Sec Svc loss

3. STGT/SPTR Support 11/1523-1748Z

Shortly after KSA event started good RF was noted. KSA receiver locked, however bit sync/demod did not lock. Investigation revealed that the header SPTR-A was selected vice SPTR-5MB. The configuration was corrected and all data passed successfully. No data/service loss as SPTR support is best effort basis. TTR # 23296

1523-2018Z TDRS-1 (WART)

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies:

1. AGS/FAST Support 11/0517-0538Z

Operator attempted to re-calibrate the tracking receivers before AOS, to correct a 3.5 db difference. The Zero on Noise procedure didn't complete before AOS, causing the tracking receiver AGC's to be too low for the ACU to engage the Autotrack. TTR # 23295 CDS ID # 17662

0518-0538Z 20 Min. Svc/Data Loss (Non-Recov)

2. WGS/SOLAR-A Support 11/1307-1310Z

The Master Computer failed to send schedule to the SCC. The Operator noticed that the 11meter had hung and switched

to 9 meter and continued tracking the support.
TTR # 23297 CDS # 17666

1305-1318Z 34 Seconds Svc/Data Loss (Non-Recov)

3. AGS/SNOE Support 11/1927/1929Z

At AOS the Project did not receive telemetry. The Operator had to manually load and activate Packetizer # 1. Afterwards the Project started receiving telemetry.
TTR # 23298 CDS # 17669

1927-1938Z 2 Min Svc/Data Loss (Recov)

4. WGS/EO-1 Support 11/1454-1459Z

EO-1 Performed a Delta-V on their spacecraft. Pocc experienced a late acquisition due to the emphemeris was not updated.TTR # 23299 CDS # 17668

1454-1507Z 5 Min 26 Sec Svc/Data Loss (Non-Recov)

12 DECEMBER

A. SN Anomalies:

1. STGT/HST Support 12/0345-0349Z

POCC reported a negative acquisition after a mode change from 2 to 1. HST transmitted one forward reacquisition, the event failed to acquire lock. MAR-6 spun-up and the event acquired lock.
TTR # 23301 DR # 42427

0318-0410Z TDW MAR-3 4 Min 15 Sec D/L (Non-Recov)

2. WSGT/UARS Support 12/0527-0532Z

POCC reported a return service dropout reason unknown.

WSGT reported no RF present from 0527Z to LOS.
TTR # 23302

0502-0532Z TDE MAR-3 4 Min 57 Sec S/D Loss (Non-Recov)

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies

1. WGS/TRACE Support 12/2321-2332Z

At Aos the project did not received data from the spacecraft, reason unknown. A check of the Leo-T revealed no problems.
TTR # 23303 CDS ID # 17679

11 min Data loss (Non-Recov)

2. AGS/WIRE/FAST/EO-1 SUPPORT 12/0441-0530Z

AGS equipments were shut down, due to Comercial Power Outage.
Note: The above events Aos-Los and anomaly times were combined together. TTR # 23304 CDS ID # 17680

53 Min Svc/Data Loss (Non-Recov)

13 DECEMBER

A. SN Anomalies: - None.

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies

1. SGS/LSAT-7 Support 13/125019-130059Z

The SIM 300 units for Recorder #3 and Recorder #4 were in serial mode, not in parallell mode causing loss of muxed X-band low data. A manual switch on the SIM 300 unit selects parallell or

serial mode and has to be set before support (Operator error). TTR # 23308 CDS # 17685

124802-130328Z 10 mins 40 secs svc/data loss (non-recov)

2. SGS/TERRA Support 13/151107-151446Z

Bitsync # 3 did not hold solid lock during the 512K dump. SGS reset switch to local operation to clear the anomaly. TTR # 23309 CDS ID # 17686

150709-152015Z 3 mins 39 secs svc/data loss recoverable

3. WGS/TOMS-EP Support 13/1520-1534Z

The Project reported not having good lock on the spacecraft. WGS did several resweeps without success. The anomaly is under investigation. TTR # 23310 CDS ID # 17687

3 mins 44 secs svc/data loss recoverable

4. SKS/QUICKSCAT Support 13/180513-182026Z

SKS was unable to recover the 2MB science data due to a Matrix switch configuration problem. TTR # 23311 CDS ID # 17689

2 mins 30 secs svc/data loss recoverable (unknown)

5. WGS/SNOE Support 13/1541-1552Z

Operator failed to disable the uplink during support. Tots does not have configurations that disable the uplink for these types of supports. TTR # 23312 CDS ID # 17690

11 Min Svc/Data Loss (Recov Unknown)

6. WGS/COBE Support 13/2215-2230Z

Following AOS and go for command, sent the commands to turn off the s/c several times without success. Did several resweeps

without success. Following PCA, did another resweep and then was able to turn the S/C off per the schedule. It appears that the noise in the uplink is preventing good s/c receiver lock. This can effect any support requiring an uplink and commanding. No data loss declared. TTR # 23313 CDS ID # 17691

7. WGS/QUIKSCAT Support 13/2319-2334Z

Following AOS and go for command, the project reported that they were unable to command. Did a resweep without success. Did another resweep following PCA and got s/c receiver lock. The project was able to command the s/c and complete the support without any data or command loss. This problem is associated with the uplink from the 11m and will effect any support requiring an uplink and commanding troubleshooting in progress. No data loss declared. TTR 23314 CDS # 17692.

Part II. Testing Anomalies

A. SN Test: - None.

B. GN Test - None.

Part III. Equipment Status Changes - None.

Part IV. Scheduled Activities:

Low Power Transceiver Demonstration 14/1500-1630Z
1800-1930Z

Engineering Test with JASON-1 POCC 14/1700-2000Z

Part V. Launch Forecast Changes

* 1.) B0218LS (DELTA/MARS ODYSSEY) 097 07 APR.,2001 T-0

= 1513Z

* 2.) M2100LS) (STS-100/ISS-09-6A) 119 19 APR.,2001 T-0 = 1904Z

* 3.) H3334LS (TITAN II/DMSP) 018 18 JAN.,2001 T-0 = 1358Z