



**Network
Control
Center**

STDN DAILY REPORT
FOR GMT DAYS
11, 12, 13, 14 AND 15, JANUARY 2001

Part I. Operations

11 JANUARY

A. SN Anomalies:

1. WSGT/LDBP-1501 11/0531-2359Z

Long Duration Balloon Project has not reacquired lock on the 1501 Spacecraft due to a suspected temperature sensitive transponder anomaly. TTR # 23454 REF TTR # 23429

2. WSGT/HST Support 11/1308-1313Z

The anomaly started at 13:08:25 when HST could not get a GCMR through to WSGT. The anomaly ended 13:12:06 when CSC-4 successfully sent GCMR from console. The problem was corrected when the EMGM process, in the CCS at NCC, was reset. TTR # 23455

TDE SSA2F/R 1233-1323Z 3 Min. 41 Sec. Svc/Data Loss (Recov)

3. STGT/TERRA Support 11/1758-1823Z

TERRA POCC experienced a negative acquisition due to a POCC in-house configuration problem. TTR # 23456

171 KSA1R 25 Min. Data loss Recoverable

B. ISS/ECOMM ANOMALIES - None.

C. GN ANOMALIES

1. AGS/WIRE Support 11/0300-0302Z

WIRE POCC experienced a late acquisition due to equipment at the station. TTR # 23452 CDS ID # 17840

TOTS 0300-0309Z 1 Minute Service/Data Loss Recoverable

2. SGS/EO-1 Support 11/0903-0916Z

EO-1 POCC was unable to command their spacecraft, reason unknown. TTR # 23453 CDS ID # 17841

11 METER 12 Minutes 10 Seconds Service Loss

3. AGS/FAST Support 11/1929-1953Z

FAST POCC was unable to command and received data due to station equipment problem. TTR # 23457 CDS ID # 17844

TOTS 22 Min. 32 Sec. Service loss 18 Min. 31 Sec Data Loss Non-recoverable

4. AGS/SNOE Support 11/2002-2015Z

The system failed to terminate sweep because the operator failed to schedule it as a non-coherent support. Commands were not completed to the S/C and the S/C rebooted during the support. TTR # 23458 CDS ID # 17845

LEO-T 11 Min 42 Sec. Service loss

5. AGS/TEP Support 11/2127-2141Z

AMS failed at AOS, manually re-enabled analog matrix switch by AOS+1m. No loss of data at project. TTR # 23461 CDS ID # 17848

TOTS 13 Min. 13 Sec. Service Loss

6. SGS/QST Support

11/2052-2107Z

QST POCC experienced a negative acquisition due to a software problem. TTR # 23462 CDS ID # 17849

11 METER 15 Min. Service/Data Loss Recoverable (Unknown)

12 JANUARY

A. SN Anomalies:

1. LDBP (1501) Anomaly

12/0115-2110Z

This is an ongoing anomaly. The POCC suspects temperature sensitive transponder anomaly. TTR # 23463

2. TOPEX Support

12/2308-2312Z

TOPEX POCC experienced a return service dropout, reason unknown TTR # 23467

TDE MAR6 2303-0000Z 3 Min. 42 Sec. Service/Data Loss Recoverable

B. ISS/ECOMM Anomalies

1. ISS Support

12/1914-1936Z

ISS return link suffered multiple return dropouts. The POCC suspected old vectors may be the cause of the low return levels and dropouts. New vectors were received and subsequent services were nominal after receipt of updated vectors. TTR # 23466

TDS SSA2F/R 191426-195348Z 21 Min. 34 Sec. Service Loss

C. GN ANOMALIES

1. AGS/WIRE Support

12/1348-1359Z

Project reported that commands were not reaching the Spacecraft. The backup master was rebooted, then the analog matrix was successfully reloaded. POCC reported there was only a loss of commanding. TTR # 23464 CDS ID # 17854

TOTS 11 Min. Service Loss

AGS/WIRE Support

12/0427-0440Z

WIRE supports were moved to Packetizer #1 from Packetizer #3 due to schedule conflict with another project. This problem prevented commands only from being sent to the spacecraft. TTR # 23465 CDS ID # 17855

TOTS 12 Min. 09 Sec. Service Loss

3. AGS/SAC-C Support

12/2233-2240Z

The project was not receiving data and the bit syncs were not locked. Post pass checks demonstrated that the PSK Demod would not lock, due to being mistune. Since the bit syncs were not locked; the data was not recorded to tape. TTR # 23468 CDS ID # 17856

TOTS 2233-2246Z 6 Min. 34 Sec Svc/Data Loss (Non-Recov)

13 JANUARY

A. SN Anomalies:

1. LDBP (1501) Anomaly

13/0101-2010Z

This is an ongoing anomaly. The POCC suspects temperature sensitive transponder anomaly. TTR # 23469

2. TOPEX Support

13/1938-1942Z

The POCC experienced a return service dropout, reason unknown. TTR # 23473

171 SSA2R 1920-1942Z 3 Min. 14 Sec Data Loss Recoverable

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies :

1. WGS/SWAS Support 13/1400-1411Z

WGS reported that the operator re-called the configuration for throughput commanding assuming that the project was going to be sending the commands. At the end of the pass the operator noticed that the system counts did not look normal. It was determined that the wrong set-up had been used. Real time data was not correct however the playback data will be good. John Nagy was informed of the command problem and has said that the 0230Z pass on day 14 will be okay for the 28 hour command window for SWAS. TTR # 23471 CDS # 17858

TOTS 11 Minutes Service/Data loss recoverable

2. AGS/QUIKSCAT Support 13/1310-1322Z

The antenna moved to spacecraft intercept angles and a normal AOS was observed. While double checking equipment settings the operator noticed that the signal disappeared from the tracking receiver display. The axis were placed in standby again and the pedestal power was recycled. TTR # 23472 CDS # 17859

11 Meter 12 Mins. 10 Secs Service /Data Loss non-Recoverable

D. Long Duration Balloon Project (1502) terminated TDRS support at 035605Z.

14 JANUARY

A. SN Anomalies: - None.

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies : - None.

1. AGS/TOMS-EP Support

14/2048-2101Z

Project reported that they were unable to lock to the real-time data. They were getting intermittent drops in telemetry sync and were receiving seq./crc errors. Pre-pass checkout indicated no problem. Com Manager and the IP NOC were brought up to try and resolve the problem. Post Pass checking indicated that the problem was in the GDP BED on card #2. The GDP BED was power cycled during the support and during post pass checking to see if that helped. It was noted that when the TOMS-EP config #7 (non 202 dump configuration) was loaded the problem went away as it was configured to look at the BED card #3. TTR # 23475
CDS ID # 17863

TOTS 13 Min Service/Data Loss Recoverable

15 JANUARY

A. SN Anomalies - None.

B. ISS/ECOMM Anomalies:

1. ISS Support

15/1639-1647Z

A chain failed to achieve lock on 128kb data. "B" chain locked EB/NO was 5 DB lower on chain "A", compared to chain "B".
TTR # 23478 DR # 42548.

275 SSA1F/R 1635-1725Z 7 Min. 15 Sec. Svc/Data Loss
(Non-Recov)

C. GN ANOMALIES:

1. AGS/FAST Support

015/0006-0025Z

FAST #17470 (015/00:06Z): LEO-T failed to configure for this support. Check the schedule and nothing was in it for after day change. The system will have to be rebooted post pass. This support was move to TOTS in R/T AOS was at 015/00:06:25Z with Go for Cmd at 015/00:07:40Z. TPCE windows started manually at 015/00:06Z and PAC 3 loaded. and 015/01:00Z Completed reboot of LEO-T and manual input of the schedule for the rest of DOY 15. No schedule was apparent in the LEO-T scheduler for this week's supports, after the LEO-T system reboot. TTR # 23476 CDS ID # 17864

LEO-T 0006-0025Z 21 Min. Svc/Data Loss (Recov)

2. AGS/WIRE Support

15/1327-1338Z

Unable to locate the down link from the S/C. A time bias of +/- 60 second was applied for 2 complete cycles. Up link sweep was terminated and Go for Command was at 13:31:41z. No commands were received at TOTS-1, for this support. Project was called, no answer, Wallops was also advised. TTR # 23477 CDS ID # 17865

TOTS 1327-1338Z 11 Min. Svc/Data Loss (Non-Recov)

3. AGS/FAST Support

15/1722-1748Z

Prior to AOS it was noted that the R/T TPCE window did not start for this support. R/T window up at 015/17:19Z with AOS at 015/17:22:11Z with go for Cmd at 015/17:22:46Z. Post pass the P/B window did not start either. P/B was started manually with no problem. The TPCE monitor log noted that it failed to execute the VSI commands to start this support. Post pass the TPCE and PAC's will be rebooted. TTR # 23479 CDS ID # 17872

TOTS 1722-1748Z 26 Min. Svc/Data Loss (Recov)

Part II . Testing Anomalies

A. SN Test - None.

B. GN Test - None.

Part III. Equipment Status Changes:

1. WPS 913: LD09:01:L2, 9 Meter Antenna R 01052100Z,
Green 01152345Z. Replaced bearings in high speed
gear box, and "Y" AXIS YOKE POT, antenna op checks
good

Part IV. Scheduled Activities:

MRTS-1 AND MRTS-2 TDRS Test 13/2130-08/0200Z

TDRS-8 Level 6 EIV Vector Verification Test 16/1430-1705Z

NOAA-M AFSCN (21SOPS) Interface Veri Test 16/1800-2000Z

Part V. Launch Forecast Changes:

*1.) M2098LS (STS-98/ISS-07,5A) NET 06 FEB.,2001 T-0 =
UNKNOWN

* 2.) H1435LS (SEALAUNCH/XM-1) NET 28 FEB.,2001 T-0 =
2239Z

* 3.) H3335LS (SEALAUNCH/XM-2) NET APR.,2001 T-0 =
UNKNOWN