



**Network
Control
Center**

STDN DAILY REPORT
FOR GMT DAYS
28, 29, 30, AND 31 DECEMBER 2000
01 JANUARY 2001

Part I. Operations

28 DECEMBER

- A. SN Anomalies: - None.
- B. ISS/ECOMM Anomalies - None.
- C. GN Anomalies

1. AGS/QUICKSCAT Support 28/1314-1329Z

The POCC experienced a negative acquisition due to problem with the SCC antenna. This anomaly is under investigation.
TTR # 23363 DR # 17759

15 Min Service/Data loss recoverable

29 DECEMBER

- A. SN Anomalies:

1. STGT Anomaly 29/0825-0827Z

STGT reported possible TDRS composite downlink perturbation. This anomaly is under investigation. TTR # 23365 DR # 42482

TDW UARS MAR4 0821-0851Z 2 Sec Data Loss Non-Recoverable

TDW LDBP MAR1 0050-1004Z 6 Sec Data Loss Recoverable

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies :

1. SGS/LSAT-7 Support 29/1250-1354Z

The station reported CRC errors during X-band dump on the I-channel. TTR # 23367 CDS ID #17762

1248-1303Z 2 Min 50 Sec Service/Data recoverable (unknown)

30 DECEMBER

A. SN Anomalies: - None.

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies :

1. AGS/FAST Support 30/1859-1903Z

The POCC experienced a late acquisition due to hardware problem at the station. TTR # 23369 CDS ID# 17767

1857-1930Z 4 Min Service/Data Loss Recoverable (Unknown)

31 DECEMBER

A. SN Anomalies:

1. NCC Procedural Anomaly 31/0000-0113Z

17 Events were affected by a problem at NCC with leap year rollover resulted in the loss of POCC ODM and GCMR capability. The time code generators associated with the CCS equipment were not programmed for leap year rollover and transitioned from DOY 365 to DOY 001 instead of DOY 366. The problem was cleared by adjusting the time code generators to reflect DOY 366

followed by a CCS failover to CCS-2. TTR # 23370

2. TERRA Support 31/1916-1926Z

WSGT was notified by POCC the forward commands were not getting to the Spacecraft. To clear the anomaly the POCC sent 1 forward reacquisition GCMR. TTR # 23372

275 1915-1930Z SSAF1 9 Min. 9 Sec. Svc Loss.

3. XTE Support 31/1952-2006Z

Negative acquisition AMOS sent 3 forward reacquisition GCMR's. No RF entire event. Anomaly is under investigation. TTR # 23373

171 1952-2006Z SSAR2 14 Min. Data Loss (Recov Unknown)

B. ISS/ECOMM Anomalies:

1. ISS Support 31/2320-2358Z

An ISS event (SHO 5278462) was deleted to adjust the length of the tracking service. The tracking service required modification because it extended into the window of time set aside for no tracking services due to a WSC software anomaly (NAM 502/OPM 0034602/DR 30548). Investigation is on going however as of 001/0106Z it appears the Sho transmitted as an added event (SHO 5279195) to replace SHO 5278462 was rejected, and The rejection was overlooked. WSC locally entered an event via the canned Sho editor to start at 2340Z. No RF was seen and there was no acquisition. Subsequent TDRS-3 SSA1 event was nominal. TTR # 23375

275 36 Min. 22 Sec. Service/Data loss Recoverable (Unknown)

C. GN Anomalies - None:

1. AGS/FAST Support 31/0622-0624Z

High Gusting Wind (30 mph Estimated) caused the antenna to

slew off track. Program track automatically engaged and repositioned the antenna, for a 10-second data drop out. TPCE dropped the connection to the project it was manually reconnected 336/06:23:40z. It is unknown if there were any commands lost. The Post Pass File transfer has the wrong time stamp. The time stamp is 2000-366-0623 and should have been 2000-366-0557. TTR 23371 CDS ID # 17768

0601-0625Z 10 Sec. Svc/Data Loss (Non-Recov)

2. PF1/QUICKSCAT Support 31/1518-1544Z

AGS shadow tracked this DataLynx QuikSCAT support orbit to test their leap year fix, but forgot to disable their real-time connection to JPL. As a result, DataLynx kept disconnecting and reconnecting to JPL (92 connections total) and experienced write errors (107) with the 4K data. All 449442 bytes of real-time data were sent to QMOC with no errors, however, only 393588 bytes were sent to JPL. This is the equivalent of a 1 minute 42 second data loss Unrecoverable. TTR # 23381 CDS ID # 17775

1518-1534Z 1 Min. 42 Sec. Svc/Data Loss (Non-Recov)

3. AGS/EO-1 Support 31/1919-1931Z

Recorder number 4 failed to start for this support. Post pass investigation indicated an overflow condition caused the recorder not to start. To clear the anomaly the recorder was reset. TTR # 23374 CDS ID # 17770

1919-1931Z 12 Min. Svc/Data Loss (Recov)

4. AGS/FAST Support 31/1657-1658Z

RFI pulled the antenna from its normal track and went to program mode, to reacquire. Manually started TPCE to complete the support. TTR # 23378 CDS ID# 17773

1649-1719Z 46 Sec. Service/Data loss non-recoverable

A. SN Anomalies:

1. UARS Support 01/1623-1627Z

Command HPA failure due to HELIX voltage fault. Station executed uplink failover from A to B. TTR # 23380
DR # 42493

TDE 1605-1633Z MA2F/R 3 Min. 22 Sec. Svc/Data Loss
(Non-Recov)

B. ISS/ECOMM Anomalies: - None

C. GN Anomalies :

1. AGS/FAST Support 01/0145-0149Z

THE PAC# 3 hung, when a new TPCE R/T window did not start . The operator observed a DB-1 error message. PAC#3 was rebooted and the station started receiving data. Then the operator attempted to receive R/T commands but was unsuccessful. A "KILLTPCE" and "KSDF ALL" was performed twice before the TPCE R/T window would talk to the PAC#3. The R/T window up at 0149Z. TTR 23385 CDS ID# 17779

0145-0212Z 4 Min 30 Sec Svc/Data Loss (Recov)

2. WGS/EO-1 Support 01/0312-0324Z

Negative acquisition due to Datum 9700 Timeserver System, SCC & Master computer showed year 2000 vice 2001. A reboot cleared the anomaly. TTR # 23376 CDS ID# 17771

10 Min. 46 Sec. Service/Data loss Recoverable

3. WGS/TOMS-EP Support 01/0434-0448Z

Negative acquisition due to the Master computer halted during the support, reason unknown. TTR # 23377 CDS ID# 17772

14 Min. Service/Data loss Recoverable

4. AGS/FAST Support

01/0603-0609Z

The Analog Matrix Switch Failed at AOS in TOTS opening several needed connections. Repeated attempts to manually reset failed. Once reset, the configuration was reloaded and normal operation was restored. TTR # 23379 CDS ID# 17774

0603-0628Z 5 Min. 32 Sec. Service/Data Loss Non-recoverable

5. PF1/QUICKSCAT Support

01/0640-0655Z

This was the 1st scheduled pass at DataLynx for the year 2001 . At year rollover the DataLynx ACU did not recognize the day of year. The ACU failed to initialize for this pass. AGS was contacted and AGS successfully supported this pass. 14 min. 18 sec service loss. Recoverable. TTR # 23380 CDS ID # 17776

0640-0655Z 14 Min. 18 Sec. Svc/Data Loss (Recov)

Part II. Testing Anomalies

A. SN Test - None.

B. GN Test - None.

Part III. Equipment Status Changes - None.

Part IV. Scheduled Activities - None.

Part V. Launch Forecast Changes - None.

