Network Control Center

STDN DAILY REPORT
FOR GMT DAYS
08,09, 10 AND 11, JANUARY 2001

Part I. Operations

08 JANUARY

A. SN Anomalies - None.

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies

1. AGS/QST Support 08/0549-0554Z

Socket connections failed between AGS and QMOC. QMOC reported there computer experienced an early LOS at 05:49:49Z. Post pass investigation per the Comm Mgr. and the IP NOC revealed that AT&T suffered a circuit outage between Oakland Ca. and Washington DC that lasted 1 minute and 33 seconds. All data was recorded on site and all post pass data was transmitted properly. Resolution The problem was isolated by AT&T in Oakland, CA. All circuits were restored with-in 1 minute and 33 seconds. The reason for the 4 minute 11 second data loss is because the operator at the QMOCC assumed that the break in data was LOS of the spacecraft and terminated support prematurely on his end. TTR # 23577 CDS ID # 18052

OPERATOR ERROR/EQUIPMENT
11M 0539-0554Z 4 Min. 11 Sec. Svc/Data Loss (Recov)

2. AGS/SNOE Support 08/1936-1942Z

During the SNOE pass, LEOT was called to inform us that there was no T1 connection. While checking to see what might be causing this anomaly, The project found the problem on their end

and made connection. Under the LEO-T procedure drop down box, the last item highlighted remains highlighted until something else is selected. The last item highlighted was Standby-1 all which stops all operations. When closing the window after the connection was made, the operator hit OK instead of Cancel and terminated the pass 5 minutes early. TOTS was tracking and recording the pass so all data was captured but a second pass was scheduled for uplink purposes at 039/21:05.
TTR # 23578 CDS ID # 18055

OPERATOR ERROR
LEO-T 1931-1942Z 5 Min. 10 Sec. Svc/Data Loss (Recov)

09 JANUARY

A. SN Anomalies:

1. UARS Support 09/1125-1131Z

Late acquisition 1 forward reacquisition GCMR transmitted both POCC and CSC were occupied with other supports.
TTR # 23580

OPERATOR ERROR
TDW MAR2 1125-1153Z 5 Min. 1 Sec. Svc/Data Loss (Recov)

B. ISS/ECOMM Anomalies:

C. GN Anomalies:

1. AGS/WIRE Support 09/0407-0410Z

AGS reported that the TPCE did not make connection to the project, although the monitor window said the real time session was activated and Pac#3 was activated by TPCE. The normal messages did not appear in the TPCE terminal window concerning startup. Connections were made manually at TPCE. The previous support, TRACE, 15494 may be of interest. The TPCE terminal window did not provide the usual messages,

upon completion of the PB (from Pac#1), concerning splitting of files. The last message listed concerned the end of data transmission. However, automatic forward did forward the files. It is not known at this time if the TRACE files were successfully received at the project. TTR # 23579 CDS # 18056

STATION EQUIPMENT
TOTS 041242-042459Z No Svc/Data Loss reported

2. AGS/QUIKSCAT Support 09/0836-0845Z

At approximately 09:00Z QMOC called and reported that there computer had an early LOS. (08:36:35), for Orbit 8561. There were no problems observed at AGS during the support period, and all the station equipment checks ok, no problems could be found post pass. All playback data was transmitted to Central SAFS post pass as scheduled. The Comm Mgr. and IP NOC were contacted and reported no network outages during the questioned period. The TM was also notified.
TTR # 23581 CDS # 18057

ANOMALY UNKNOWN
11M 0833-0845Z 8 Min. 25 Sec. Svc/Data Loss (Recov)

3. AGS/TRACE/SWAS Supports 09/0159-0209Z

TRACE reported that two minutes into the support data and command connections were lost. All data was received postpass and monitor blocks were received during the support. The project also reported that SWAS #11753 40/0158Z had the identical problem. The only indications noted on site was that Pac#1 was checked at shift change. It was discovered that the TRACE file had not been closed after the FTP. The connection window at TPCE was visible during the entire SWAS support and Pac#3 did not have any errors. Both passes were non-FOT. TRACE used Pac#1 and SWAS used Pac#3. TTR # 23582 CDS # 18065

ANOMALY UNKNOWN
TRACE 11M 015737-020934Z 9 Mins 34 Secs Svc/Data Loss Recoverable

SWAS 11M 155042-160225Z 10 Mins 25 Secs Svc/Data Loss Recoverable

4. SKS/SAC-C Support 09/1750-1804Z

Six minutes of real-time telemetry during Rev 1168 was lost as a result of a known ground system socket problem. A DR is currently being worked to correct the problem.
TTR # 23583 CDS # 18067

STATION EQUIPMENT
11M 13 Mins 54 Secs Svc/Data loss Unknown if recoverable

10 JANUARY

A. SN Anomalies:

1. STGT/ERBS Support 10/0150-0155Z

ERBS experienced a late acquisition, reason unknown. The POCC sent 1 FWD reacq with MAR 1 failing to acquire. HSM MAR 3 acquired but dropped out after another forward reacq was sent. This in turn spun up MAR 2 which acquired with an autofailover. TTR # 23584

ANOMALY UNKNOWN
015030-022000Z 3 Mins 43 Secs Svc/Data Loss Recoverable

B. ISS/ECOMM Anomalies:

C. GN Anomalies:

1. AGS/EO1 Support 10/0732-0733Z

The PTP indicated the two connections was established during this session. The station indicated they may have loss connection down stream. Post pass tracking analysis shows that the 11 meter never lost signal TTR # 23585 CDS ID # 18070.

ANOMALY UNKNOWN
11 meter 30 Seconds Svc/Data Loss Recoverable

2. AGS/FAST Support 10/1330-1349Z

The Antenna Control Computer (ACC) hung due to a communication error. The Receivers, Combiner and Antenna Control Unit (ACU) was recycled to clear the anomaly.
TTR # 23586 CDS ID # 18071

STATION EQUIPMENT
TOTS-1 1332-1347Z 15 Mins 04 Sec Svc/Data Loss Non-Recov.

3. SGS/LSAT-7 Support 10/1417-1717Z

The station loss X-band autotrack reason unknown. The antenna was forced to S-LHCP after one attempt to Auto-Div. After the antenna was forced to S-LHCP the error counts was nominal throughout the support. TTR # 23587 CDS ID # 18072

ANOMALY UNKNOWN
11 meter 1408-1322Z 30 Seconds Svc/Data Loss Non-Recov.

11 JANUARY

A. SN Anomalies - None.

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies - None.

Part II. Testing Anomalies

A. SN Test - None.

B. GN Test - None.

Part III. Equipment Status Changes:

1. WPS 926: STPS:01, S-Band Trking Processing Sys, R 02091200Z, Green 02092300Z. Power supply was replaced from station Spare.

Part IV. Scheduled Activities:

NOAA-16 MCMURDO Command System Testing 12/1930-2400Z

Part V. Launch Forecast Changes:

* 1.) W1502LS (LDBP) NET 12 FEB.,2001 T-0 = UNKNOWN