



Part I. Operations

13 NOVEMBER

A. SN Anomalies:

1. TERRA Support 13/0059-0325Z

TERRA POCC was unable to command on LI-C line due to misconfiguration of the LI path. Failover of LI-C to LI-D required a failover at the start of the forward service. TTR # 23150

TDS SSAF1 0059-0123Z no data loss declared

TDS SSAF1 0300-0325Z no data loss declared

2. TERRA Support 13/1747-1801Z

POCC reported Spacecraft was not in view of TDE. TERRA Spacecraft acquired data the last 7 seconds of this event. TTR # 23152

TDE SSA/KSA 1747-1801Z 14 Min. Data Loss (Recov)

3. TERRA Support 13/1825-1905Z

POCC reported MODIS BUFFER on the Spacecraft was unable to dump the K-band Science data and the instrument shut down. TTR # 23155

TDS KSAR2 1825-1905Z 40 Min. Svc/Data Loss (Non-Recov)

4. TERRA Support 13/2045-2049Z

Spacecraft was configured COHO and the ground was configured NON-COHO at SHO start. Data lock was achieved at 20:48:28Z after the POCC reconfigured ground equipment. TTR # 23153

275 SSAR2-F/R 2045-2115Z 3 Min. Data loss (Recov)

5. TERRA Support 13/2138-2158Z

POCC reported terminating Science dump due to an EDOS scheduling problem. POCC reported 9800 EDU blocks of data loss. TTR # 23156

TDS KSAR2 2138-2158Z 20 Min. Svc/Data Loss (Non-Recov)

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies:

1. AGS/COBE Support 13/0016-0031Z

COBE Orbit number 56204 due to quick turn around between the AM-1 support and the COBE support. The Master Computer Software Version 3.3. failed to initialize the equipment for the AM-1 support. A reboot of the Master computer and all the Nodes cleared the anomaly. TTR # 23158 CDS ID # 17398

0016-0031Z 15 Min. Svc/Data Loss (Non-Recov)

2. AGS/QST Support 13/0218-0231Z

The Master Computer Software Version 3.3 failed to initialize the equipment at AOS, after setting up for the QST 7303 support at 318/0218Z. This resulted in the PTP and Metrums not recording any data for this support. TTR # 23151 DR # 17390

2018-0231Z 13 Min. Svc/Data Loss (Non-Recov)

14 NOVEMBER

A. SN Anomalies:

1. UARS Support

14/1113-1117Z

Late Acquisition POCC was involved in commanding a TOMS GN support during acquisition, CSC was involved in other user support activities. When the anomaly was discovered POCC sent one forward reacquisition GCMR to acquire. TTR # 23157

TDE MAF/R 1113-1137Z 3 Min. 16 Sec. Svc/Data Loss (Non Recov)

2. TRMM Support

14/1258-1311Z

TRMM called at 12:58:15Z to report loss of data. Investigation revealed a scheduled power outage at the POCC had affected their router. TTR # 23159

TDS SSA2F/R 1252-1312Z 12 Min. 15 Sec. Data Loss (Recov)

3. TERRA Support

14/1939-1955Z

POCC was able to lock on S-Band data on TDW event but was not able to lock on K-band. POCC stated that due to previous support with TDRS-171 their Spacecraft did not point the antenna at TDW. All data was recovered except for the three Science dumps. TTR # 23160

TDW SSA1F/R 1939-1955Z 14 Min. 47 Sec. Svc/Data Loss (Recov)

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies: - None.

D. The Network Control Center successfully transitioned to the ANCC (Auxiliary Network Control Center) at 14/1900Z. The ANCC will transition back to the Operations Control Center

as per NAM-493 between 15/1600-1900Z.

15 November

A. SN Anomalies:

1. TERRA Support

15/0500-0515Z

POCC reported intermittent dropouts on their I-channel after GCMR to 256KB on the Q-channel. Solid lock was noticed on the I-channel at WSGT. POCC reported the duration of the dropout lasted the entire event. Additional info from the POCC declared dropouts on both prime and backup lines. POCC reported no loss or impact to data. Investigation revealed clock tracking on the WSGT GDIS OTU was enabled during the event. Software will reinstall ETN 365 disabling clock tracking for TERRA events. TTR # 23161 DR # 42289.

275 SSA1F/R 0500-0515Z No data loss declared

2. TERRA Support

15/1910-1925Z

TERRA reported degraded data on the I channel during 256kb data dumps. Investigation revealed Clock tracking on the WSGT GDIS OTU was enabled during the event. Software will reinstall ETN 365 disabling clock tracking for TERRA events. TTR # 23165 DR # 42290

275 SSAR2 15 minutes service loss

ISS/ECOMM Anomalies – None.

B. GN Anomalies:

1. WGS/TERRA Support

15/0256-0308Z

POCC reported not receiving real time data. All systems at WGS nominal. Requested Tech Control to look for data from WGS

Time Plexer and data flow from WGS was confirmed to be good. POCC stated, post-pass, that Comm Mgr had confirmed WGS data to be received at GSFC and problem was between GSFC and POCC. TTR # 26164 CDS ID # 17411

0256-0308Z 12 Min. Svc/Data Loss (Recov)

2. AGS/FAST Support

15/0547-0549Z

The Master computer did not turn off, the test inject was still on so TOTS didn't lock on the Satellite downlink. The antenna was running away in autotrack, once autotrack was turned off there was still no AOS, operator noticed the HP still had RF Out lit up, turned that off then got AOS. Master computer was rebooted post pass. TTR # 23162 CDS ID # 17409

0547-0617Z 2 Min. 30 Sec. Svc/Data Loss (Non-Recov)

3. AGS/QST Support

15/0627-0642Z

At AOS the PTP realtime channel showed LOCK but there was no frame count. When the 262 playback began no frame count was shown (lock was displayed). The SCI playback channel locked and displayed frame counts. Post pass it was discovered that Hk1 contained no data. Hk1 was built from recorded data and Ftp to SAFS. All data was recorded on tape. The PTP was power cycled and the problem cleared. TTR 26163 CDS ID # 17410

0627-0642Z 15 Min. Svc/Data Loss (Recov)

4. WGS/CHAMP Support

15/0907-0917Z

During pre-pass configuration it was noticed that the antenna commanded elevation was for a negative 15 degrees. At the scheduled AOS time, the antenna did not move nor did the command elevation change. An attempt to manually position antenna at a plus 1 degree failed. Approximately 5 minutes after scheduled AOS the antenna began to move and looked to be in program track mode. 4 minutes later the antenna positioned to stow and WGS declared LOS. TTR # 23166 DR # 17412

10 minutes service/data loss non-recoverable

5. AGS/WIRE Support

15/153229-153800Z

Negative acquisition reason unknown. Multiple commands were sent and a resweep of the uplink was completed. TTR # 23167
CDS ID# 17414

1530-1538Z 5 minutes 31 seconds data loss non-recoverable

- D. The ANCC transition back to the OCR was successful at 1757Z.
- E. ERBS Control declared a Spacecraft Emergency at 321/1034Z. They suspect that their spacecraft is tumbling and are requesting ground support. The NCC is actively in contact with Wallops to assist in recovery efforts.

Part II. Testing Anomalies

- A. SN Test - None.
- B. GN Test - None.

Part III. Equipment Status Changes

A. Green Items Since Last Report

1. NCC 039: CVAX:02-D6, Vax Computer, G 11120555Z,
ETRO 11120827Z. Cold start complete.

Part IV. Scheduled Activities:

TDRS 8 LVL 6 /TERRA MOC KSAR Autotrack Acquisition Test
16/1152-1509Z

TERRA/ERPS Parallel Operations Test 12/15/2400Z	16/1415-
QUICKSCAT QMOC & PDF 11-Meter Customer Acceptance Test 16/1500-1700Z	
STS-97 SN Vector Verification Test 3201	16/1551-1651Z
DAT-2 Engineering Test	16/1600-2200Z
MRTS-2 End to End Test	16/1730-2200Z
Engineering Test with JASON-1 POCC, WFF and PKRR	16/1830-2030Z
WPS STS-97 OPS Training Exercises	16/2000-18/0500Z

Part V. Launch Forecast Changes:

- * 1.) M2097LS (STS-97/ISS-06,4A) 336 01 DEC.,2000 T-0 =
0306Z
- * 2.) M2098LS (STS-98/ISS-07,5A) 018 18 JAN.,2001 T-0 =
0844Z