



**Network
Control
Center**

**STDN DAILY REPORT
FOR GMT DAYS
14, 15, 16 AND 17 JUNE , 2001**

Part I. Operations

14 JUNE

A. SN Anomalies - None.

B.ISS Anomalies:

1. ISS Support

14/1351-1356Z

High Date Rate Receiver B Chain indicated false lock. A manual chain failover was done to restore service. TTR # 23931
DR # 43155

TDS KSA2R 1342-1432Z 4 Mins. 36 Secs. Svc/Data Loss
Recoverable

C. GN Anomalies:

1. PF1/EO-1 Support

14/0436-0439Z

At AOS the antenna went to Standby mode instead of tracking the spacecraft. The operator re-issued the track command and the antenna acquired the spacecraft but not until after the x-band downlink had already started. The EO-1 MOC re-dumped the x-band data during the same pass to recover the initial loss due to the late AOS. All commanding objectives were met.
CDS ID # 18999

11M 0436-0447Z 2 Min. 38 Sec. Svc/Data Loss (Non-Recov)

2. WGS/IRS-P3 Support

14/1624-1635Z

There was no downlink from spacecraft. All systems check nominal, the station tried the 11 M to verify no downlink.
CDS ID # 18996

TOT-3 11 Minutes Data Loss Recoverable (Unknown)

3. WGS/SOLAR-A Support

14/1848-1900Z

The Antenna started to lose signal several times and halting in azimuth. Reason Unknown. CDS # 18997

11M 2 Mins. Service/data Loss Recoverable (Unknown)

D. Landsat-4 EOL Activities: Thus far today 2 burns have been completed with two more burns planned between 6:00pm and 8:00pm(EDT). This will end the fuel depletion activity for Landsat-4. On Friday the spacecraft systems will be shut down, power drained, and the transmitter turned off(completed NLT 3:00pm EDT). At that time the termination ISI will be issued. In approximately 8 1/2 years(2010), Landsat-4 will re-enter the Earth's atmosphere.

15 JUNE

A. SN Anomalies - None.

B. ISS Anomalies:

1. WSGT ISS Support

16/0018-0023Z

POCC reported degraded data on K-band return after 0018Z. A manual return chain failover from A to B cleared the anomaly. After post pass investigation delog shows possible false lock on the A chain. TTR # 23933 DR # 42814.

171 KSAR1 15/2335-0024Z 4 Min. 20 Sec. Svc/Data Loss (Degraded)

C. GN Anomalies:

1. WGS/EO-1 Support

15/0235-0246Z

Ampex recorder # 1 recorder stopped recording approximately one minute into support. To clear the anomaly station power down Ampex and reinitialize recorder. CDS ID # 19003

11M 0234-0246Z No data loss declared captured on Sony recorder.

2. SKS/QST Support

15/1344-1358Z

Station equipment anomaly resulted in a loss of 4kb and 262kb telemetry data due to a STPS1 failure. CDS ID # 19001

11M 13 Min. 03 Sec. Svc/Data Loss (Non-Recov)

D.NAM 550 NCC (CCSR) Communication and Control Segment Replacement Delivery was issued.

E.Landsat-4 completed S/C shut down today. The transmitter was turned off at 1818z. ISI 053, Landsat-4 Mission Termination, was issued.

16 JUNE

A. SN Anomalies - None.

B. ISS Anomalies - None.

C. GN Anomalies:

1. WGS/EO-1 Support

16/0234-0246Z

Station reported no data from X-band mod channel #3 to DQM

Demod lock indications normal however DQM showed no I or Q input. CDS ID # 19004

11M 12 Min. Svc Loss no data loss declared.

2. WGS/SEAWIFS Support

16/1703-1716Z

At AOS, system began to autotrack prior to capture of D/L signal. Manually switched to program mode to capture D/L and reselected auto-track. Remainder of pass was error free. CDS ID# 19006

11M 1 Min. Service/Data Loss Recoverable

3. AGS/LANDSAT-7 Support

16/2115-2116Z

The 11 meter system setup for the LS support normally. The TDF was sampled about thirty minutes prior to AOS to check on it's operation and it worked fine. During the support, it's displays appeared to indicate normal operation. However, at the end of the support, it would not shutdown to allow Post Pass processing. Upon examination, there was an empty data file for the pass. All X band and S band data collection appeared normal. CDS ID # 19007

11M 2101-2116Z 14 Min. 26 Sec. Svc/Data Loss (Non-Recov)
1708-1724Z

17 JUNE

A. SN Anomalies:

1. STGT TERRA Support

17/0201-2312Z

POCC reported that a command to the on-board recorded at 02:01:16Z was received on board TERRA but did not execute as expected. Appears the ability to command dump activity has been lost on the TERRA spacecraft. At 0415Z the project declared a

spacecraft emergency which was terminated at 2312Z when operation of the housekeeping recorder was restored.
TTR # 23934

TDS 0147-0207Z No Service or Data Loss Declared by POCC

2. WSGT/TERRA Support

17/1708-1725Z

TERRA POCC did not pre-brief event. At event start there was no RF present. TERRA POCC was contacted. They stated that the event had been cancelled and would not be used. WSC informed the POCC that the SHO was not cancelled and was in progress. The event ran out without being used.

275 SSA1F/R No Service on data loss declared.

B. ISS Anomalies - None.

C. GN Anomalies:

1. WGS/FUSE Support

17/0748-0801Z

Project called and said they didn't show socket connection. The system was showing good lock on data but noticed no VC's updating on screen. Post-pass check found system had hung-up & had to be rebooted. Reason for failure unknown.
CDS ID # 19008

LEO-T 13 Min. Svc/Data Loss (Recov)

2. AGS/SWAS Support

17/2112-2126Z

The Analog Matrix Switch dropped Command Modulation as scheduled when the U/L was activated, but it took the combiner video output connection with it. No video was being sent to the Bit Sync. Normal video connections were restored at 168/21:18:00z. In the attempts to reload the AMX with the current configuration, from the B/U Master, the Exciter failed to return to the Center Frequency (offset remained at about - 46 kHz.). The operator opted to leave the offset, because of

commands being sent and any further attempt to correct would drop the U/L and would result in a further loss of S/C data. The results are that the tracking data is invalid because of the U/L offset. It is unknown if any of the commands were affected. Resolution Forced new load during support, clearing the error and resetting all connections properly for the current system configuration. CDS ID # 19009

TOTS-1 2114-2125Z 4 Min. 5 Sec. Svc/Data Loss (Non-Recov)

D. TERRA POCC declared A Spacecraft Emergency at 17/0415Z due to a On-board Solid State Recorder failure on the Spacecraft.

E. TERRA POCC Terminated It's Spacecraft Emergency at 17/2312Z after Operation of their housekeeping data recorder was restored.

Part II. Testing Anomalies

A. SN Test - None.

B. GN Test - None.

Part III. Equipment Status Changes - None.

\$ = Changed ETRO

** = New Items

Part IV. Scheduled Activities - None.

Part V. Launch Forecast Changes

* 1.) W1576LS (PEGASUS/HESSI)
0800Z

NET 21 JUN.,2001 T-0 =