



**Network
Control
Center**

**STDN DAILY REPORT
FOR GMT DAYS
10, 11, 12 AND 13 MAY , 2001**

Part I. Operations

10 MAY

A. SN Anomalies:

1. LSAT-4 Support

10/1330-1340Z

No lock during entire show, RF was present on the spectrum. during NON-COHO portion (5 minute service) CSC sent expanded user frequency uncertainty with no lock. The COHO service (4 minute 40 second service) also did not lock. Investigation is on-going. TTR # 23872

REASON UNKNOWN

TDS 9 Mins. 40 Secs. Service/Data Loss Recoverable (unknown)

B. ISS Anomalies - None.

C. GN Anomalies:

1. AGS/WIRE Support

10/1212-1216Z

When the antenna went to the IP it started swinging 45 degrees in azimuth back and forth. This is while it was still in program mode waiting to clear masking. The antenna was moving from about 70 - 125 degrees. The ACC indicated the commanded position was changing from 5 - 165 degrees. The antenna couldn't move as fast as the commanded position was changing. The antenna did not stop swinging when masking was cleared and autotrack enabled either. At about AOS + 1 minute, operator did an end track and stow, then an insert track. That got the

antenna locked onto the bird, but then operator had to reconfigure the station manually. WIRE Ops reported that they received all their data and got all their commands in. CDS # 18748

REASON UNKNOWN

TOTS 1213-1222Z 4 Minutes Service loss

2. SGS/LSAT-7 Support

10/1353-1416Z

At Prepass initialization of the SCC the configuration was not properly loaded. DPS, uplink and X-band frequency channel was differing from the correct configuration. This caused that the whole of the pass was run without uplink, and this also caused loss of 6 min. X-Band low channel data. One message was displayed "Prepass, equipment may not be configured". When operator was able to control the system it was AOS and the problems caused by corrupt configuration started. The uplink configuration was loaded with the sweep acquisition disabled and the operator was not able to change this. DPS configuration and X-Band Low channel frequency was successfully changed manually 6 min. after AOS. All data after this is good data. X-Band Med frequency data was good throughout support. CDS # 18749

REASON UNKNOWN

11 Meter 140152 - 141613Z 6 Mins 5 Secs Svc/Data loss

3. WGS/QSCAT Support

10/2233-2235Z

Apogee TDF red framed at scheduled initialize time and no UTDF data sent to FDF. At scheduled time for antenna to position for AOS, SYSTEM MESSAGES box displayed:
Error(PED)May10 22:33:27CNTRPED:Pedestal move timeout
Error(EXE)May1022:33:28EXEPREPASS:Pedestal failed to reach AOS and when antenna went to intercept point, commanded EI was at 0 degrees and true EL was at 7.3 degrees. When pass started, commanded angles began to update toward the true angles. One minute past scheduled AOS antenna caught the down-link and system was forced into autotrack. All angles were synced at this time. Test Engineer, Karen Clark, was

present during support. Reason for malfunction is under investigation. TTR # 18755

REASON UNKNOWN

11M 2234-2248Z 2 Mins. Service/Data Loss Recoverable (Unknown)

D. TDRS-5 East Maneuver was nominal.

11 MAY

A. SN Anomalies:

1. NCC Anomaly

11/1445-1513Z

OPS path went down from 14:45:23 to 15:13:09, NCC had to reset the MUX. GCMR capability and ODM data was affected. At POCC request WSC sent a mode-2 GCMR for HST. TTR # 23873

REASON UNKNOWN

TDE HST 143901-153030Z 27 Mins. 46 Secs. Service Loss

B. ISS Anomalies:

1. NCC Anomaly

11/1445-1513Z

OPS path went down from 14:45:23 to 15:13:09, NCC had to reset the MUX. GCMR capability and ODM data was affected. TTR # 23873

REASON UNKNOWN

275 ISS 1454-1520Z 19 Mins 09 Secs Service Loss

C. GN Anomalies - None

12 MAY

A. SN Anomalies:

1. WSC/BRTS Support

12/0424-0602Z

1312/1319 Ascension BRTS 1 and 2 did not acquire due to a power hit at Ascension. BRTS transponders were reset to restore service. TTR # 23874

STATION POWER

C1312MS 042400-042800Z TDE 3 Mins. 30 Secs. Svc/Data Loss
Non-Rec

C1312MS 045200-045600Z TDS 3 Mins. 30 Secs. Svc/Data Loss
Non-Rec

C1312MS 045900-050300Z TDE 3 Mins. 30 Secs. Svc/Data Loss
Non-Rec

C1312MS 052800-053200Z TDS 3 Mins. 30 Secs. Svc/Data Loss
Non-Rec

C1312MS 054000-054400Z TDE 3 Mins. 30 Secs. Svc/Data Loss
Non-Rec

C1319MS 054700-055100Z TDS 3 Mins. 30 Secs. Svc/Data Loss
Non-Rec

C1319MS 055830-060230Z TDE 3 Mins. 30 Secs. Svc/Data Loss
Non-Rec

B. ISS Anomalies - None.

C. GN Anomalies:

1. AGS/EO-1 Support

12/0708-0710Z

At scheduled AOS time no signal was detected from the Spacecraft. While checking the equipment set ups, it was noticed that the antenna computer command angles did not match the actual antenna angles. The operator manually slewed the EI and AZ axis and the antenna began to move. The Spacecraft signal was acquired and the command uplink was re-swept. This resulted in a one minute fifty second (approximately) late acquisition EO1 MOC replayed both the S and X band dump data

during the support period and it is assumed that all playback data was recovered. The SCC track analysis showed that the Azimuth axis did not move until 07:10:12Z. Post pass testing was not able to duplicate the problem. CDS # 18761

REASON UNKNOWN

11 Meter 1 Min. 50 Secs. Svc/Data Loss Unknown if recoverable

2. AGS/TRACE Support

12/1130-1133Z

When the antenna went to the IP it started swinging 45 degrees in azimuth back and forth. This is while it was still in program mode waiting to clear masking. Operator did an end track and stow, then an insert track. That got the antenna locked onto the bird, but then the operator had to reconfigure the station manually. This is the same thing that happened on a WIRE support 2 days ago, see IDR #18748. Some commands came in on TPCE before MOD was applied, but since this was not a voice support the project was not available to verify the impact to the support. The Tech Manager was notified immediately following the support. CDS # 18762

REASON UNKNOWN

TOTS-1 1130-1139Z 3 Mins Svc/Data Loss Non-recoverable

3. AGS/LSAT-7 Support

12/2210-2211Z

AOS of S/C was normal. 15 seconds after X band came on, the antenna became lost and stopped in both AZ and EL. The operator exercised both axis in Rate mode, went to Program track and S/C was re-acquired in a few seconds. Go for command followed, 4K was locked and all commanding and the 256 dump were completely successful. The project called this a good pass with all goals met. PF1 was shadowing and although they also lost a small piece of X band data it appears to be in another area of the download. PF1 will bring the tape down on Sunday for shipment on Monday to EDC. CDS ID#18765

REASON UNKNOWN

11M 2208-2222Z 1 Min. 10 Secs. Service/Data Loss Recoverable

13 MAY

A. SN Anomalies

1. XTE Support

13/0007-0027Z

There was negative acquisition for the entire event. No RF was present and all attempts to achieve lock were unsuccessful. The POCC was contacted and stated the event was supposed to have been cancelled. TTR # 23875

REASON UNKNOWN

TDE 20 Mins. Service/Data Loss Recoverable (Unknown)

B. ISS Anomalies - None.

C. GN Anomalies - None.

Part II. Testing

[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

Low Power Transceiver (LPT) Demonstration 14/1345-1800Z

Part V. Launch Forecast Changes - None.