



**Network  
Control  
Center**

**STDN DAILY REPORT  
FOR GMT DAYS  
01, 02, 03 AND 04 FEBRUARY 2001**

**Part I. Operations**

**01 FEBRUARY**

**A. SN Anomalies**

**1. EO-1 Support**

**01/1448-1500Z**

During the SSA2 FWD pre service test, both MDP faulted. This caused both SSA2 FWDs to go out of limits. After the SHO failed to properly configure the SSA2 FWD ( RF output was zero), the MDP had to be reset to restore FWD service. The user claimed no data loss due to no commanding on scheduled event.  
TTR # 23555 DR # 42618

**STATION EQUIPMENT**

171 1448-1543Z 12 Mins. Service Loss

**B. ISS/ECOMM Anomalies - None.**

**C. GN ANOMALIES**

**1. WGS/QUIKSCAT Support**

**01/0959-1035Z**

Following AOS, the station normally gets the 2MB dump approximately 3 minutes after start of pass. Both the 2MB and 262KB data was late coming from the S/C. All station equipment checked pre and post pass with no problems noted. Data received was clean with no errors. Unknown what caused the problem. TTR # 23554 CDS ID # 17995

**ANOMALY UNKNOWN**

11 Meter Data Loss is unknown at this time

## **2. SKS/SAC Support**

**01/1726-1741Z**

CMOC reported that most of the commands sent during the pass were rejected by the spacecraft. There was no apparent station problem and the command system worked properly on the following support. A possible side lobe acquisition is suspected.  
TTR # 23556 CDS ID # 17998

### **ANOMALY UNKNOWN**

15 Mins. Service Loss

02 FEBRUARY

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

## **1. AGS/EO-1 Support**

**02/2318-2331Z**

EO-1 reported no commands getting into the S/C, a resweep was performed, with no results. The operator noticed clock was absent on PTP 1, at which time cables were checked and problem was isolated to the ST input of PTP 1 card 3. To recover, the PTP would have to be cycled, so no further action could be taken without loss of telemetry data. Therefore there was a 00:11:58 loss of command service.  
TTR # 23558 CDS # 18020

### **STATION EQUIPMENT**

11 Meter 11 Mins 48 Secs Service loss

03 FEBRUARY

- A. SN Anomalies - None.

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies :

### **1. SGS/QST Support**

**03/0055-0111Z**

SGS reported that the SCC did not start to track and no tracking task was scheduled. An operator had to manually insert tracking task. Because of late AOS, the site was unable to receive 262 kb data. AOS was established at approx 01:04:00, LOS at 01:10:30. TTR # 23559 CDS # 18021

### **STATION EQUIPMENT**

11 Meter 10 Mins Data loss Unknown if recoverable

### **2. AGS/SAC-C Support**

**03/0532-0536Z**

The site did not acquire spacecraft at predicted AOS 034/05:32:06Z. Used the ACC to slew the antenna and finally acquired the spacecraft at -28 seconds bias @ 034/05:35:09Z. This was a tracking data only support so there was no data loss. After the support the operator logged into WOTRS and downloaded the current IIRV data. The ACC did not have any IIRV entries and the most recent TLE entry had an epic time of 31.75618882. The IIRV pulled from WOTRS had an epic date of 032 @ 19:00:00. After loading this ephemeris into the ACC new view times were calculated. The predicted AOS for this support with the new ephemeris changed -30 seconds to 034/05:32:36Z. The remaining support on the current schedule was updated per the new ephemeris. TTR # 23561 CDS # 18023

### **ANOMALY UNKNOWN**

TOTS 053206-054514Z 3 Mins 3 Secs. Service Loss

### **3. WGS/TOMS Support**

**03/1517-1530Z**

During support station experienced several CRC errors during two dump attempts. RF video also appeared to be "jumpy" during the periods that CRC errors were reported. Problem under

investigation. TTR # 23562 CDS ID # 18024

**ANOMALY UNKNOWN**

9 Meter 13 Minutes Degraded Data

**4. AGS/SAC-C Support**

**03/2218-2220Z**

Data and command connections were lost to the project. The PTP was disabled and re-enabled to restore the connection. The only indication at TOTS was loss of command modulation. No known cause for the lost connection. TTR # 23563 CDS ID # 18025

**ANOMALY UNKNOWN**

TOTS 2209-2222Z 2 Mins. Service/Data Loss Non-Recoverable

04 FEBRUARY

A. SN Anomalies :

**1. STGT/TERRA Support**

**04/1038-1043Z**

The KSA2-R "A" chain IR CPU hung. A power reset was performed at STGT to clear the anomaly. TTR # 23564.  
DR # 42628

**STATION EQUIPMENT**

TDS 1035-1100Z 5 Min Svc Loss.

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies - None.

Part II . Testing Anomalies

A. SN Test:

3. TITAN IV/B41 VECTOR 01/1712-01/1930Z NCC/MOSA/STGT  
VERIFICATION TEST AND FDF,NISN

## DATA FLOW

### OBJECTIVES:

1. To verify SN Vector processing in support of the Titan Centaur B-41 launch.
2. To verify vector transmission procedures between FDF, NCC and WSC.
3. To verify that FDF can receive and decommutate Centaur flight data from WSC on LPA ports 207 and 208.

### **RESULTS: OBJECTIVE PARTIALLY MET.**

### REMARKS:

Objectives partially met. The Vector Verification portion was successful; however, the Centaur data flow was not.

During the Vector/Ver, the planned 10-min. BIH was extended. This required FDF to generate and transmit new vectors because the T-0 of 1842Z changed to 1845Z . At T-0, the lift-off time was 1845:04Z, necessitating FDF to generate and transmit updated launch sequence vectors. This was performed with no problems. During the Centaur data flow, WSC transmitted taped data to NCC and FDF from a CD that GSFC made based on data received from Hangar AE. The FDF could not decommutate the Centaur data. This is being investigated and alternate means are being looked into.

B. GN Test - None.

Part III. Equipment Status Changes - None.

\$ = Changed ETRO

\*\* = New Items

Part IV. Scheduled Activities:

AGS/SGS/WGS TERRA GSIP Parallel Operations 05/2249-2302Z  
Phase 3 Test 06/2324-2336Z  
08/1500-1513Z

## Part V. Launch Forecast Changes

\* 1.) H1435LS (SEALAUNCH/XM-1) NET 28 FEB.,2001 T-0 =  
2239Z