

STEREO MOC Status Report
Time Period: 2007:225 - 2007:231

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 225 during the track with station DSS-24, the station was having transmitter problems where the transmitter tripped off on 4 attempts to establish an uplink. The transmitter was declared red and the Stored Command Buffer dump was not completed and the SWAVES command in the instrument command queue was delayed until the following day. The re-sweeps associated with trying to establish an uplink resulted in unrecoverable data gaps in both spacecraft and instrument SSR data at approximately 17:42Z, 17:53Z-17:57Z, 18:00Z-18:01Z, 18:06Z, 20:11Z-20:17Z, and 20:32Z-20:36Z ground time.
- On day 230 during the track with DSS-15, there was a downlink dropout from 08:57:20Z-09:13:08Z. This dropout was a result of the turbo decoder failing to lock following the uplink sweep until 09:13:08Z.

2. Ahead spacecraft performance continues to be very good with all subsystems performing nominally. IMU 2 continues to be used nominally on the Ahead spacecraft. The following list summarizes the spacecraft/instrument events which occurred during this week:

- The average daily SSR playback volume for Ahead was 6.8 Gbits during this week.
- On day 228, the seventh momentum dump on the Ahead spacecraft was successfully conducted at 22:45Z.
- On day 229, SECCHI loaded flight software patch 5.04.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- None.

2. Behind spacecraft performance continues to be very good with all subsystems performing nominally. The following list summarizes the spacecraft/instrument events which occurred during this week:

- The average daily SSR playback volume for Behind was 7.3 Gbits during this week.
- On day 226, a SECCHI COR 2 Stray Light Offpoint event was conducted at 14:50Z.