

STEREO MOC Status Report  
Time Period: 2007:141 - 2007:147

STEREO Ahead (STA) Status:

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

- On DOY 143, during the track with DSS-14, bad telemetry frames were accumulated at the station that resulted in unrecoverable SECCHI telemetry (APID 0x400) from 00:35:25Z to 00:40:04Z, and again from 10:03:36Z to 10:40:45Z.
- On DOY 144, SECCHI partition 19 reached 100% full at 14:09:38Z and blocked recording until 21:05Z when the playback was stopped which resulted in a gap of SECCHI APID 0x400 from 14:09:38Z to 17:03:08Z.

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 143 a momentum dump was successfully executed at 1433Z.

STEREO Behind (STB) Status:

1. There was one Ground System anomaly during this reporting period:

- On day 143 there is a gap in the SECCHI telemetry (APID 0x400) from 08:43:57Z to 13:12:07Z, a gap in the IMPACT telemetry (APID 0x244) from 08:41:10Z to 11:06:10Z, and in the PLASTIC telemetry (APID 0x315) from 08:42:10Z to 10:38:10Z. The cause is under investigation and may be due to a missing IDR file.

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 7.2 Gbits during this week.
- On day 143 a momentum dump was successfully executed at 2003Z.