

STEREO MOC Status Report  
Time Period: 2007:155 - 2007:161

STEREO Ahead (STA) Status:

1. There were no Ground System anomalies during this reporting period.
  
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 6.7 Gbits during this week.
  - On day 157, IMU 1 was powered during the track with DSS-25 to collect 1Hz diagnostic data for approximately 3.5 hours. During the test, the X-gyro indicated 4 PLC resets and repeated ramps of the X-gyro PLC voltage were noted. IMU 1 was powered off at the end of the track.
  - On day 158, the battery trickle charge was changed from C/100 to C/150 at the recommendation of the Power Subsystem Engineer.
  - On day 158, during the track with DSS-45, the SECCHI Synoptic partition (partition 19) reached 100% full at 17:24Z and was therefore blocked. Approximately 55 minutes after the partition became blocked, the Write Limit pointer was advanced to free up the space that had already been played back. This resulted in 55 minutes of lost SECCHI science data.

STEREO Behind (STB) Status:

1. There were no Ground System anomalies during this reporting period.
  
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 6.9 Gbits during this week.
- On day 157, SECCHI reverted to maintenance mode at ~18:54Z during a track with DSS-55. SECCHI was on-line reconfiguring from the reset at 19:02Z. SECCHI data had gaps on this day from 18:54:17Z to 19:24:08Z.
- On day 158, the battery trickle charge was changed from C/100 to C/150 at the recommendation of the Power Subsystem Engineer.