STEREO MOC Status Report
Time Period: 2009:222 - 2009:228

STEREO Ahead (STA) Status:

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

- On day 222, since the planned DSS 24 station was red due to a receiver anomaly, DSS 25 was used starting at 1045z for 1.7 hours vice the planned six hours. The S/C and the DSS 25 support were both configured for the 360 kbps downlink rate since the DSS 24 support was to test this downlink rate. The reduced track duration resulted in the loss of several hours of SSR data for all instruments. See DR# G109610 for more information.
- On day 227, during the DSS 55 support, the station could not lock to telemetry at BOT. A backup downlink channel control processor was brought on-line and telemetry lock was achieved at 0233z. This resulted in the loss of 18 minutes of telemetry and command services. All SSR data was received. See DR# M105455 for more information.

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

- On day 223, during the DSS 15 support, the 60 hour soft command loss timer autonomy was re-enabled. This was previously disabled to prevent firing during an anticipated 57 hour station coverage gap due to DSS 24 being red.
- On day 223, SECCHI activated FSW IP version 5.12.00.
- On day 225, the 8th SECCHI HI 180 degree roll to observe the L4 libration point was executed successfully.
- On day 225, a six hour in duration 360 kbps downlink rate test track was conducted satisfactory on DSS 26. The PLASTIC, SWAVES, and SECCHI science and special event SSR partitions had respectively 10, 20, 30 & 55% remaining at EOT. Note that the start of the previous track was 31 hours.
- The average daily SSR playback volume for Ahead was 6.2 Gbits during this week.

STEREO Behind (STB) Status:

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

- On day 223, during the DSS 26 support, a simultaneous uplink occurred, from 0307z to 0410z, during an overlapping DSS 25 support that was added by the DSN as an engineering test. This resulted in the loss of an hour of lost science data for each instrument. Also, a C&DH dump command failed to be received by the S/C due to simultaneous uplinks from both stations. See DR# G109613 for more information.

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

- On day 224, the SECCHI instrument reset at 06:01:59z. The SECCHI team reconfigured the instrument to operational mode at 225-0134z. This was the 9th reset of SECCHI on the Behind spacecraft.
- On day 225, SECCHI activated FSW IP version 5.12.00.
- The average daily SSR playback volume for Behind was 5.9 Gbits during this week.