STEREO MOC Status Report
Time Period: 2014:006 - 2014:012

STEREO Ahead (STA) Status:

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

   - On day 006, during the DSS-25 support, turbo decoder lock was lost briefly at 2204z. This anomaly resulted in the loss of four frames of SSR data.

   - On day 012, during the DSS-14 support, turbo decoder lock was lost intermittently beginning at 1932z through 1940z. No telemetry was received from 1940z through 1955z (EOT). The tracking problems were due to the antenna azimuth brakes being set unexpectedly. These anomalies resulted in eight minutes of degraded telemetry (lost 10361 frames of SSR data) and fifteen minutes of complete telemetry outage. See DR #G114552 more information.

2. The following spacecraft/instrument events occurred during this week:

   - On day 006, the SSR science partitions filled as follows:
     SWAVES (Part 13) reached 100% full at 0532z for 6.0 hours.
     SWAVES (Part 13) reached 100% full at 2218z for 1.7 hours.
     PLASTIC(Part 17) reached 95% full at 0625z for 11.3 hours.
     PLASTIC(Part 17) reached 95% full at 2317z for 0.7 hours.
     The primary cause was the accumulated shortage of track time throughout the week.

   - On day 007, the SSR science partitions filled as follows:
     SWAVES (Part 13) remained 100% full at 0000z for 16.5 hours.
     IMPACT (Part 15) reached 95% full at 0216z for 14.6 hours.
     PLASTIC(Part 17) remained 95% full at 0000z for 16.7 hours.
     The primary cause was the accumulated shortage of track time throughout the week.

   - On day 007, the 19th HGA calibration for the AHEAD observatory was executed successfully at 1900z.

   - On day 008, the SSR science partitions filled as follows:
     SWAVES (Part 13) reached 100% full at 1118z for 12.7 hours.
     IMPACT (Part 15) reached 95% full at 1119z for 12.7 hours.
     PLASTIC(Part 17) reached 95% full at 1258z for 11.1 hours.
     SECCHI (Part 19) reached 100% full at 1511z for 8.8 hours.
     The primary cause was the accumulated shortage of track time throughout the week.

- On day 009, the SSR science partitions filled as follows:
  SWAVES (Part 13) remained 100% full at 0000z for 3.9 hours.
  IMPACT (Part 15) remained 95% full at 0000z for 3.9 hours.
  PLASTIC(Part 17) remained 95% full at 0000z for 3.9 hours.
  SECCHI (Part 19) remained 100% full at 0000z for 3.9 hours.
  The primary cause was the accumulated shortage of track time throughout the week.

- On day 010, the SSR science partitions filled as follows:
  SWAVES (Part 13) reached 100% full at 0309z for 8.1 hours.
  IMPACT (Part 15) reached 95% full at 0815z for 3.0 hours.
  The primary cause was the accumulated shortage of track time throughout the week.

- On day 012, the SSR science partitions filled as follows:
  SWAVES (Part 13) reached 100% full at 0610z for 9.7 hours.
  The primary cause was the accumulated shortage of track time throughout the week.

- The average daily SSR playback volume for Ahead was 2.5 Gbits during this week.

STEREO Behind (STB) Status:

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

- On day 006, during the DSS-45 support, turbo decoder lock was lost intermittently beginning at 0214z through 0220z due to the spacecraft IMU-B anomaly recovery. This anomaly resulted in the loss of 1207 frames of SSR data. See DR #C109776 more information.

- On day 008, during the DSS-55 support, turbo decoder lock was lost briefly at 1047z and again at 1124z. This anomaly resulted in the loss of four frames of SSR data.

- On day 009, during the DSS-34 support, turbo decoder lock was lost briefly at 0853z. This anomaly resulted in the loss of one frame of SSR data.

2. The following spacecraft/instrument events occurred during this week:

- On day 006, during the DSS-26 track, with IMU-A in use, the SECCHI guide telescope was enabled for use, fine pointing was re-established, and the BEHIND observatory was promoted back to Operational Mode at 2118z. Also, the failed IMU-B unit was powered off 2118z. The SECCHI team sent real-time commands to re-open the COR telescope covers at 2332z (COR2) and 007-0030z (COR1).

- On day 007, during the DSS-14 track, to conserve the remaining IMU-A lifetime on the BEHIND observatory, a modified Reduced Gyro Operation macro release was loaded to C&DH RAM. The IMU-A unit was powered off at 2240z to place BEHIND in a similar G&C configuration that the AHEAD observatory is using currently.

- On day 008, the 19th HGA calibration for the BEHIND observatory was cancelled due to the IMU anomaly recovery.

- On day 011, the SSR science partitions filled as follows: SWAVES (Part 13) reached 100% full at 0819z for 6.3 hours. The primary cause was the accumulated shortage of track time throughout the week.

- The average daily SSR playback volume for Behind was 3.0 Gbits during this week.