

STEREO MOC Status Report
Time Period: 2012:352 - 2012:358

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:
 - On day 353, during the DSS-25 support, the transmitter tripped offline at 1457z and was brought back online at 1518z. This anomaly resulted in the loss of 926 frames of SSR data. See DR #G113529 for more information.
 - On day 357, during the DSS-65 support, the receiver dropped lock for no apparent reason beginning at 0741z through 0745z. Also, the turbo decoder lock was lost intermittently beginning at 0829z through 0831z. These anomalies resulted in the loss of several minutes (2629 frames) of SSR data. See DRs #M107031 and #N108583 for more information.
 - On day 358, during the DSS-55 support, turbo decoder lock was lost briefly at 0707z. This anomaly resulted in the loss of one frame of SSR data. See DR #N108586 for more information.
 - On day 358, the Ahead MOC telemetry processing and data product generation were completed for day 351 through 354. The anomaly occurred during the previous week because the archive server RAID array had a disk drive that reached full capacity, which stopped telemetry file ingestion.

2. The following spacecraft/instrument events occurred during this week:
 - On day 352, the SSR science partitions filled as follows:

SWAVES (Part 13) reached 100% full at 0818z for 6.8 hours.
IMPACT (Part 15) reached 95% full at 0758z for 7.1 hours.
PLASTIC(Part 17) reached 95% full at 1224z for 2.7 hours.
The primary cause was the accumulated shortage of track time throughout the week.
 - On day 353, the 24th SECCHI stepped calibration was executed at 1015z for the midpoint in the orbit.

- On day 353, the SSR science partitions filled as follows:

 WAVES (Part 13) reached 100% full at 0522z for 9.7 hours.
 IMPACT (Part 15) reached 95% full at 0406z for 11.1 hours.
 PLASTIC(Part 17) reached 95% full at 0709z for 7.9 hours.
 The primary cause was the accumulated shortage of track
 time throughout the week.
- On day 354, the SSR science partitions filled as follows:

 WAVES (Part 13) reached 100% full at 0323z for 11.3 hours.
 WAVES (Part 13) reached 100% full at 2020z for 2.0 hours.
 IMPACT (Part 15) reached 95% full at 0210z for 12.7 hours.
 IMPACT (Part 15) reached 95% full at 2005z for 2.2 hours.
 PLASTIC(Part 17) reached 95% full at 0449z for 9.9 hours.
 PLASTIC(Part 17) reached 95% full at 2143z for 0.6 hours.
 The primary cause was the accumulated shortage of track
 time throughout the week.
- On day 355, the SSR science partitions filled as follows:

 WAVES (Part 13) reached 100% full at 1145z for 7.2 hours.
 IMPACT (Part 15) reached 95% full at 1044z for 8.2 hours.
 PLASTIC(Part 17) reached 95% full at 1328z for 5.4 hours.
 The primary cause was the accumulated shortage of track
 time throughout the week.
- On day 356, the SSR science partitions filled as follows:

 WAVES (Part 13) reached 100% full at 0250z for 11.8 hours.
 IMPACT (Part 15) reached 95% full at 0158z for 12.7 hours.
 PLASTIC(Part 17) reached 95% full at 0344z for 10.9 hours.
 SECCHI (Part 19) reached 100% full at 1305z for 1.6 hours.
 The primary cause was the accumulated shortage of track
 time throughout the week.
- The average daily SSR playback volume for Ahead was 3.6
 Gbits during this week.

STEREO Behind (STB) Status:

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

- On day 352, during the DSS-14 support, turbo decoder lock was lost intermittently beginning at 1937z through 1941z. This anomaly resulted in the loss of several minutes (14550 frames) of SSR data. See DR #G113525 for more information.
- On day 357, during the DSS-14 support, telemetry was not available in the MOC from 2106z through 2225z due the SLE TLM Bind for VC7 aborting. All SSR data was recovered. See DR #N108584 for more information.

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

- On day 352, the SSR science partitions filled as follows:

SWAVES (Part 13) reached 100% full at 1531z for 4.6 hours.
IMPACT (Part 15) reached 95% full at 1504z for 5.0 hours.
PLASTIC(Part 17) reached 95% full at 1716z for 2.8 hours.
The primary cause was the accumulated shortage of track time throughout the week.
- On day 355, the 47th momentum dump was executed successfully at 2100Z, which imparted a delta V of 0.084 m/sec.
- The average daily SSR playback volume for Behind was 3.8 Gbits during this week.