

STEREO MOC Status Report
Time Period: 2012:366 - 2013:006

STEREO Ahead (STA) Status:

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

- On day 366, during the DSS-15 track, carrier lock was lost beginning at 1631z through 1635z and again at 1714z. This anomaly resulted in the loss of several minutes (2142 frames) of SSR data. See DR #G113574 for more information
- On day 002, during the DSS-15 support, no commanding or ranging for the entire track due to a transmitter problem. See DR# G113575 for more information.
- On day 005, during the DSS-15 track, turbo decoder lock was lost briefly at 1511z. This anomaly resulted in the loss of one frame of SSR data. See DR #N108592 for more information.
- On day 005, during the DSS-34 track, turbo decoder lock was lost briefly at 2044z. This anomaly resulted in the loss of one frame of SSR data. See DR #N108593 for more information.
- On day 006, during the DSS-15 track, turbo decoder lock was lost briefly at 1718z. This anomaly resulted in the loss of one frame of SSR data. See DR #N108594 for more information.

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

- On day 001, the SSR science partitions filled as follows:

IMPACT (Part 15) reached 95% full at 0928z for 5.7 hours. The primary cause was the accumulated shortage of track time throughout the week.

- On day 002, the SSR science partitions filled as follows:

SWAVES (Part 13) reached 100% full at 1154z for 3.3 hours.
SWAVES (Part 13) reached 100% full at 2145z for 2.3 hours.
IMPACT (Part 15) reached 95% full at 0734z for 8.0 hours.
IMPACT (Part 15) reached 95% full at 2023z for 3.6 hours.
The primary cause was the accumulated shortage of track time throughout the week.
- On day 003, the SSR science partitions filled as follows:

SWAVES (Part 13) remained 100% full at 0000z for 15.0 hours.
IMPACT (Part 15) remained 95% full at 0000z for 15.3 hours.
PLASTIC(Part 17) reached 95% full at 0541z for 9.3 hours.
The primary cause was the accumulated shortage of track time throughout the week.
- On day 004, the SSR science partitions filled as follows:

SWAVES (Part 13) reached 100% full at 2326z for 0.6 hours.
IMPACT (Part 15) reached 95% full at 1319z for 2.1 hours.
IMPACT (Part 15) reached 95% full at 2007z for 3.7 hours.
The primary cause was the accumulated shortage of track time throughout the week.
- On day 005, the SSR science partitions filled as follows:

SWAVES (Part 13) remained 100% full at 0000z for 15.2 hours.
IMPACT (Part 15) remained 95% full at 0000z for 15.7 hours.
PLASTIC(Part 17) reached 95% full at 0109z for 14.2 hours.
The primary cause was the accumulated shortage of track time throughout the week.
- On day 006, the SSR science partitions filled as follows:

SWAVES (Part 13) reached 100% full at 0658z for 8.3 hours.
IMPACT (Part 15) reached 95% full at 0353z for 11.7 hours.
PLASTIC(Part 17) reached 95% full at 0700z for 8.4 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 occurred during this reporting period:
 - On day 006, during the DSS-65 track, turbo decoder lock was lost briefly at 1618z. This anomaly resulted in the loss of two frames of SSR data. See DR #N108591 for more information.

2. The following spacecraft/instrument events occurred during this week:
 - On day 003, the SSR science partitions filled as follows:

SWAVES (Part 13) reached 100% full at 1547z for 1.1 hours.
SWAVES (Part 13) reached 100% full at 1912z for 4.8 hours.
IMPACT (Part 15) reached 95% full at 1448z for 2.3 hours.
IMPACT (Part 15) reached 95% full at 1842z for 5.3 hours.
PLASTIC(Part 17) reached 95% full at 2029z for 3.5 hours.
The primary cause was the accumulated shortage of track time throughout the week.

 - On day 004, the SSR science partitions filled as follows:

SWAVES (Part 13) remained 100% full at 0000z for 17.1 hours.
SWAVES (Part 13) reached 100% full at 1851z for 3.9 hours.
IMPACT (Part 15) remained 95% full at 0000z for 23.0 hours.
PLASTIC(Part 17) remained 95% full at 0000z for 17.5 hours.
PLASTIC(Part 17) reached 95% full at 1814z for 4.7 hours.
The primary cause was the accumulated shortage of track time throughout the week.

 - On day 005, the SSR science partitions filled as follows:

SWAVES (Part 13) reached 100% full at 0809z for 6.7 hours.
IMPACT (Part 15) reached 95% full at 0638z for 8.2 hours.
PLASTIC(Part 17) reached 95% full at 0704z for 7.8 hours.
The primary cause was the accumulated shortage of track time throughout the week.

 - On day 006, the SSR science partitions filled as follows:

SWAVES (Part 13) reached 100% full at 1530z for 0.6 hours.
SWAVES (Part 13) reached 100% full at 2120z for 0.1 hours.
The primary cause was the accumulated shortage of track time throughout the week.

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