

STEREO MOC Status Report  
Time Period: 2012:058 - 2012:064

STEREO Ahead (STA) Status:

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

- On day 058, during the DSS-55 support, turbo decoder lock was lost briefly beginning at 0746z. This anomaly resulted in the loss of one frame of SSR data. See DR# N107953 for more information.
- On day 059, for the DSS-14 support, the antenna was declared red due to a mechanical problem and the entire 5.4 hour track was lost. As the next track was only six hours later, SSR pointers were reset for the in-situ instruments to minimize the impact to science data continuity. A 1.4 hour DSS-32 track was also added on DOY 063 to start at 0640z. This anomaly caused the SSR data loss listed below. See DR# G112415 for more information.

IMPACT reached 95% full:  
0.3 hours beginning at 061-1417z  
17.7 hours beginning at 061-2213z

PLASTIC reached 95% full:  
0.7 hours beginning at 062-1457z

SECCHI data loss:  
25.9 hours beginning at 058-1845z

SWAVES reached 100% full:  
16.5 hours beginning at 061-2311z

- On day 060, during the DSS-45 support, turbo decoder lock was lost intermittently beginning at 0331z and again at 0403z. This anomaly resulted in the loss of 23 frames of SSR data. See DR# N107955 for more information.
- On day 061, during the DSS-24 support, turbo decoder lock was lost briefly beginning at 1627z. This anomaly resulted in the loss of one frame of SSR data. See DR# N107958 for more information.

- On day 063, for the DSS-43 support, telemetry lock was lost intermittently beginning at 2120z through 2128z and again at 2200z through 2204z due to heavy rain at the Canberra complex. This anomaly resulted in the loss of an hour of SSR data for each instrument. See DR# C108572 for more information.
2. The following spacecraft/instrument events occurred during this week:
    - The average daily SSR playback volume for Ahead was 3.9 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:
  - On day 059, for the DSS-43 support, telemetry lock was lost intermittently beginning at 0400z through 0420z and again at 0744z through 0754z due to heavy rain at the Canberra complex. The SSR pointers were repositioned and all SSR data was recovered. This anomaly resulted in the loss of 30 minutes of real-time telemetry, commanding, and tracking data. See DR# C108549 for more information.
  - On day 061, for the DSS-14 support, the transmitter tripped off-line at 2306z due to an alarm condition. The alarm was cleared at 2310z and the track continued one-way only. This anomaly resulted in the loss of 50 minutes of several minutes of SSR data for each instrument. See DR# G112426 for more information.
  - On day 062, during the DSS-45 support, turbo decoder lock was lost intermittently beginning at 0415z through 0758z. This anomaly resulted in the loss of 164 frames of SSR data. See DR# N107957 for more information.
2. The following spacecraft/instrument events occurred during this week:
  - The average daily SSR playback volume for Behind was 4.8 Gbits during this week.