

STEREO MOC Status Report  
Time Period: 2012:268 - 2012:274

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:
  - On day 268, during the DSS-63 support, turbo decoder lock was lost briefly at 0521z. This anomaly resulted in the loss of five frames of SSR data. See DR# N108447 for more information.
  - On day 268, during the DSS-15 support, turbo decoder lock was lost intermittently beginning at 1720z through 1735z. This anomaly resulted in the loss of 246 frames of SSR data. See DR# N108448 for more information.
  - On day 269, during the DSS-63 support, turbo decoder lock was lost briefly at 0739z and again at 0918z. This anomaly resulted in the loss of 121 frames of SSR data. See DR# N108449 for more information.
  - On day 270, during the DSS-14 support, turbo decoder lock was lost briefly at 1610z. This anomaly resulted in the loss of 162 frames of SSR data. See DR# N108450 for more information.
  - On day 272, during the DSS-63 support, turbo decoder lock was lost intermittently beginning at 0527z through 0637z. This anomaly resulted in the loss of 106 frames of SSR data. See DR# N108452 for more information.
  - On day 274, during the DSS-63 support, turbo decoder lock was lost briefly at 0802z and again at 0900z. This anomaly resulted in the loss of 52 frames of SSR data. See DR# N108456 for more information.
  
2. The following spacecraft/instrument events occurred during this week:
  - On day 268, the 50th momentum dump was executed successfully at 1600Z, which imparted a delta V of 0.079 m/sec.

- On day 270, the 2<sup>nd</sup> annual battery conditioning event was conducted successfully on the AHEAD spacecraft to redistribute the electrolytes within the nickel hydrogen battery cells.
- On day 271, the DSS-24 Project Interface Test (PIT) was conducted successfully.
- On day 274, the DSS-26 Project Interface Test (PIT) was conducted successfully.
- The average daily SSR playback volume for Ahead was 5.2 Gbits during this week.

STEREO Behind (STB) Status:

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

- On day 268, during the DSS-14 support, turbo decoder lock was lost intermittently beginning at 1721z through 1735z. This anomaly resulted in the loss of 391 frames of SSR data. See DR# N108445 for more information.
- On day 270, during the DSS-65 support, turbo decoder lock was lost intermittently beginning at 1104z through 1537z. This anomaly resulted in the loss of 1505 frames of SSR data. See DR# M106925 for more information.
- On day 271, during the DSS-63 support, the MOC did not receive the appropriate IDR files from the DCD beginning at 1534z, which caused a six hour gap in the SSR data. The problem was related to a system upgrade, which DSN has identified and fixed. DSN regenerated the IDR files on DOY-277 and all telemetry was recovered. See DR# N108460 for more information.
- On day 273, during the DSS-55 support, the command bind was lost for five minutes at 1108z. Also during the support, turbo decoder lock was lost intermittently beginning at 1224z through 1225z. This anomaly resulted in the loss of 529 frames of SSR data. See DR# N108454 for more information.

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

- On day 269, the 45th momentum dump was executed successfully at 1500Z, which imparted a delta V of 0.065 m/sec.
- The average daily SSR playback volume for Behind was 4.4 Gbits during this week.