

STEREO MOC Status Report  
Time Period: 2012:338 - 2012:344

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:
  - On day 339, during the DSS-32 (ESA) support, no commanding or telemetry in the MOC from 2303z through 2353z due to a DSN network firewall problem. An SLE offline transfer was performed by DSN and the MOC to recover all SSR data from the outage. See DR #N108568 for more information.
  - On day 342, during the DSS-25 support, turbo decoder lock was lost intermittently beginning at 1449z through 1456z. This anomaly resulted in the loss of 19 frames of SSR data. See DR #N108571 for more information.
2. The following spacecraft/instrument events occurred during this week:
  - On day 341, the 52nd momentum dump was executed successfully at 1645Z, which imparted a delta V of 0.087 m/sec.
  - On day 341, the SSR science partitions filled as follows:  
  
SWAVES (Part 13) reached 100% full at 0500z for 1.6 hours.  
IMPACT (Part 15) reached 95% full at 0445z for 1.9 hours.  
IMPACT (Part 15) reached 95% full at 1348z for 0.5 hours.  
The primary cause was the accumulated shortage of track time throughout the week.
  - On day 342, the SSR science partitions filled as follows:  
  
SWAVES (Part 13) reached 100% full at 1316z for 1.5 hours.  
The primary cause was the accumulated shortage of track time throughout the week
  - On day 343, the SSR science partitions filled as follows:  
  
SWAVES (Part 13) reached 100% full at 0521z for 1.4 hours.  
The primary cause was the accumulated shortage of track time throughout the week
  - The average daily SSR playback volume for Ahead was 4.0 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:
  - On day 343, during the DSS-45 support, turbo decoder lock was lost briefly at 2226z. This anomaly resulted in the loss of 364 frames of SSR data. See DR #108572 for more information.
  
2. The following spacecraft/instrument events occurred during this week:
  - On day 339, the 23<sup>rd</sup> SECCHI stepped calibration was executed for the aphelion in the orbit.
  - On day 339, the 2<sup>nd</sup> annual battery conditioning event was conducted successfully on the BEHIND spacecraft to redistribute the electrolytes within the nickel hydrogen battery cells.
  - The average daily SSR playback volume for Behind was 3.8 Gbits during this week.