

STEREO MOC Status Report
Time Period: 2011:325 - 2011:331

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:
 - On day 323, the MSL mission launch was delayed one day with the actual launch on day 330-1502z. As a result, the AHEAD observatory track schedule had two changes; the DSS-55 track on day 330 gained 3.9 hours at the beginning and the DSS-63 support on day 346 will lose 10 minutes off the beginning. The track coverage for the BEHIND observatory was not affected.
 - On day 327, for the DSS-55 support, initial telemetry lock was delayed 2.1 hours due to a receiver anomaly. The low noise amplifier control processor was replaced and telemetry lock was established at 0723z. SSR pointers were repositioned to minimize science data loss. This anomaly resulted in the loss of all tracking, telemetry, and commanding for 128 minutes. All SSR data was recovered. See DR# M106536 for more information.
 - On day 329, for the DSS-55 support, telemetry lock was lost beginning at 0848z due to a receiver anomaly. The low noise amplifier control processor was reset and telemetry lock was re-established at 0944z. This anomaly resulted in the loss of all tracking, telemetry, and commanding for 56 minutes and approximately three hours of SSR data for each instrument. See DR# M106546 for more information.
 - On day 330, during the DSS-55 support, turbo decoder lock was lost briefly beginning at 0820z. Later in the support, real-time telemetry was lost for five seconds in the MOC beginning at 1039z due to the MOC ground software rejecting transfer frames with the private annotation field = U. This anomaly resulted in the loss of 88 frames of SSR data. A DR has been requested.
2. The following spacecraft/instrument events occurred during this week:
 - On day 327, the SECCHI Ahead instrument reset at 05:27:08z. The SECCHI team reconfigured the instrument to operational

mode at 327-1500z. This was the 25th reset of SECCHI on the Ahead spacecraft.

- The average daily SSR playback volume for Ahead was 4.4 Gbits during this week.

STEREO Behind (STB) Status:

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

- On day 322, the DSS-34 support was deleted due to the TDRS-10 spacecraft emergency. While SSR pointers were repositioned on day 322 to minimize immediate data loss, there was not sufficient track time until day 326 to prevent SSR data loss. This anomaly caused the IMPACT and SWAVES science partitions to overwrite on days 324, 325, and 326. Specifically, SWAVES overwrote:

for 0.9 hours beginning at 324-1423z

for 0.7 hours beginning at 325-1459z

for 3.5 hours beginning at 326-0946z

and IMPACT overwrote:

for 0.6 hours beginning at 324-1445z

for 2.3 hours beginning at 325-1326z

for 0.2 hours beginning at 325-2138z

for 4.7 hours beginning at 326-0833z.

- On day 329, for the DSS-34 support, telemetry lock was lost intermittently beginning at 1014z through 1029z due to heavy rain at the Canberra complex. This anomaly resulted in the intermittent loss of approximately 40 minutes of SSR data for each instrument. See DR# C108331 for more information.
- On day 329, for the DSS 14 support, telemetry lock was lost beginning at 2137z due to the antenna brakes being set. The antenna controller was reset and telemetry lock was re-established at 2151z. This anomaly resulted in the loss of 45 minutes of SSR data for each instrument. See DR# G112148 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.