

STEREO MOC Status Report
Time Period: 2011:297 - 2011:303

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:
 - On day 297, for the DSS 63 support, initial telemetry lock was delayed 89 minutes due to an anomaly with the subreflector. The subreflector drive was reset and telemetry lock was established at 0614z. SSR pointers were repositioned to minimize science data loss. Later in the support, telemetry lock was intermittently lost beginning at 0837z through 0903z due to heavy rain at the Madrid complex. Subsequently, at 0903z, turbo decoder lock was lost briefly. These anomalies resulted in the loss of all tracking, telemetry, commanding for 89 minutes and the loss of several minutes of SSR data for all instruments. See DR# M106505, N107688, and N107689 for more information.
 - On day 298, for the DSS 55 support, initial telemetry lock was delayed eight minutes due to an anomaly with the DCD. This anomaly resulted in the loss eight minutes of real-time telemetry. All SSR data was received. See DR# N107684 for more information.
 - On day 301, during the DSS 55 support, SLE telemetry bind was lost in the MOC at BOT. The primary command workstation was restarted and rebound to the station at 0605z. This anomaly resulted in the loss of 65 minutes of real-time telemetry. All SSR data was received.
 - On day 301, during the DSS 45 support, turbo decoder lock was lost intermittently beginning at 2019z through 2023z due to low received signal power. This anomaly resulted in the loss of several minutes of SSR data. See DR# N107693 for more information.
 - On day 303, during the DSS 26 support, real-time telemetry processing on the primary command workstation in the MOC was delayed at BOT. The primary command workstation was restarted and telemetry was received in the MOC at 1254z. All SSR data was received.

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

- Day 299 marked the four year anniversary of the STEREO launch.
- On day 299, the 19th SECCHI stepped calibration, for aphelion, was executed.
- 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 297, during the DSS 54 support, turbo decoder lock was lost briefly beginning at 1427z through 1428z due to low received signal power. This anomaly resulted in the loss of 186 frames of SSR data. See DR# N107686 for more information.
- On day 299, during the DSS 63 support, turbo decoder lock was lost briefly beginning at 1553z and again at 1624z. This anomaly resulted in the loss of four frames of SSR data. See DR# N107687 for more information.
- On day 302, during the DSS 65 support, turbo decoder lock was lost briefly beginning at 1644z and again at 1741z. This anomaly resulted in the loss of 44 frames of SSR data.

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

- Day 299 marked the four year anniversary of the STEREO launch.
- The average daily SSR playback volume for Behind was 3.9 Gbits during this week.