

STEREO MOC Status Report
Time Period: 2010:340 - 2010:346

STEREO Ahead (STA) Status:

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

- On day 340, during the DSS 65 support, turbo decoder lock was lost intermittently at 0512z through 0637z due to heavy rain at Madrid. Later, the receiver lost telemetry lock at 0655z. A redundant receiver was placed on-line and telemetry lock was reestablished at 0711z. These anomalies resulted in the loss of an hour of instrument SSR data. See DR# M106076 and M106077 for more information.
- On day 341, the scheduled DSS 43 support was only 1.2 hours in duration, vice the scheduled 5 hours, to provide support for the S/C emergency on the Planet C mission's Venus orbit insertion. **DSS 55 was added to start at 0445z for 3.25 hours to minimize data loss.** This anomaly caused the in-situ instruments SSR partitions to overwrite beginning at 342-0021z. This resulted in the loss of two to five hours of in-situ instrument SSR data.
- On day 344, during the DSS 65 support, turbo decoder lock was lost intermittently at 0645z through 0647z due to rain at Madrid. This resulted in the loss of several minutes of instrument SSR data. See DR# N106907 for more information.
- On day 345, during the DSS 65 support, the antenna was declared red before BOT, at 0450z, as it could not be moved. As DSS 54 was available at 0520z for 1.7 hours, it was used to minimize data loss. DSS 45 was added to start at 345-1738z for a duration of 2.7 hours. This caused the in-situ instruments SSR partitions to overwrite beginning at 346-0520z and again at 347-0126. This resulted in the loss of three to 14 hours of in-situ instrument SSR data. See DR# M106083 for more information.
- On day 345, during the DSS 26 support, turbo decoder lock was lost intermittently at 1307z through 1331z due to a procedural error at the Goldstone complex. This resulted in the loss of an hour of instrument SSR data. See DR# G110842 for more information.

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

- The average daily SSR playback volume for Ahead was 4.2 Gbits during this week.

STEREO Behind (STB) Status:

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

- On day 340, during the DSS 65 support, turbo decoder lock was lost intermittently at 1821z through 1829z due to heavy rain at Madrid. This resulted in the loss of an hour of instrument SSR data. See DR# M106076 and M106077 for more information.
- On day 346, during the DSS 55 support, turbo decoder lock was lost briefly at 1824z. This resulted in the loss of several minutes of instrument SSR data.

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

- The average daily SSR playback volume for Behind was 5.1 Gbits during this week.