STEREO MOC Status Report
Time Period: 2013:063 - 2013:069

STEREO Ahead (STA) Status:

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

- On day 063, during the DSS-26 support, turbo decoder lock was lost briefly at 1946z. This anomaly resulted in the loss of one frame of SSR data. See DR #N108647 for more information.

- On day 064, after the MOC performed an SLE telemetry rebind for a connectivity issue, the STEREO AHEAD MOC successfully conducted the first operational support with ESA DSS-84 (Malargue, Argentina).

- On day 065, during the DSS-55 support, turbo decoder lock was lost briefly at 0711z. This anomaly resulted in the loss of one frame of SSR data. See DR #N108650 for more information.

- On day 066, during the DSS-55 support, turbo decoder lock was lost intermittently beginning at 0655z (BOT) through 0704z. This anomaly resulted in the loss of 4109 frames of SSR data. See DR #N108649 for more information.

- On day 067, during the DSS 14 support, initial telemetry lock and commanding were established 2.2 hours late at 1913z due to heavy snow at Goldstone. SSR pointers were repositioned to recover data, however the SWAVES SSR partition was 100% full at the beginning of track and on-board autonomy fired to free SSR space before the pointer reposition commands were received. The anomaly resulted in the loss of approximately four hours of SSR data for all instruments. See DR #G113762 for more information.

- On day 069, during the DSS-63 support, turbo decoder lock was lost intermittently beginning at 0755z through 0924z. This anomaly resulted in the loss of 192 frames of SSR data. See DR #N108655 for more information.

- On day 069, during the DSS-45 support, no commanding or ranging for the entire track due the transmitter being declared red prior to the support. See DR# C109277 for more information.

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

- On day 067, the SSR science partitions filled as follows:

  SWAVES (Part 13) reached 100% full at 1624z for 1.2 hours.

  The primary cause was the accumulated shortage of track time throughout the week.

- The average daily SSR playback volume for Ahead was 4.1 Gbits during this week.

STEREO Behind (STB) Status:

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

- On day 063, during the DSS-65 support, turbo decoder lock was lost intermittently beginning at 1420z through 1658z due to heavy rain. Telemetry was lost completely from 1659z through 1724z. This anomaly resulted in the loss of more than 25 minutes (37177 frames) of SSR data. See DR #M107133 for more information.

- On day 066, during the DSS-63 support, turbo decoder lock was lost intermittently beginning at 1716z through 1728z due to heavy rain. This anomaly resulted in the loss of several minutes (30649 frames) of SSR data. See DR #M107143 for more information.

- On day 067, during the DSS-63 support, turbo decoder lock was lost briefly at 1219z and again at 1332z. This anomaly resulted in the loss of 30 frames of SSR data. See DR #N108651 for more information.

- On day 068, during the DSS-65 support, turbo decoder lock was lost intermittently beginning at 1256z through 1502z. This anomaly resulted in the loss of 14 frames of SSR data. See DR #N108653 for more information.

- On day 068, after ESA corrected the downlink rate to 160Kbps (D/L rate was increased from 120Kbps for data return), the STEREO BEHIND MOC successfully conducted the first operational support with ESA DSS-84 (Malargue, Argentina).

- On day 069, during the DSS-63 support, turbo decoder lock was lost intermittently beginning at 1345z through 1348z. This anomaly resulted in the loss of 506 frames of SSR data. See DR #N108654 for more information.

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

- The average daily SSR playback volume for Behind was 4.3 Gbits during this week.