

STEREO MOC Status Report
Time Period: 2011:087 - 2011:093

STEREO Ahead (STA) Status:

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

- On day 087, during the DSS 14 support, initial telemetry lock at BOT was delayed five minutes due to the antenna pointing model. A conscan was initiated and telemetry lock occurred at 1255z. This anomaly resulted in the loss of several minutes of SECCHI instrument SSR data. See DR# G111276 for more information.
- On day 088, during the DSS 55 support, turbo decoder lock was lost intermittently beginning at 0715z through 0716z and again at 0749z through 0750z. This resulted in the loss of 19 frames of instrument SSR data. See DR# N107263 for more information.
- On day 088, during the DSS 26 support, the uplink was swept twice as the Doppler residual was higher than normal. The uplink was established at 1325z. This is a known problem with receiver software version 10.1.7 and documented in AR# 116727. SSR pointers were repositioned and all SSR data was recovered. See DR# N107258 for more information.
- On day 090, during the DSS 25 support, the uplink was swept twice as the Doppler residual was higher than normal. The uplink was established at 1322z. A redundant receiver was added and telemetry lock was re-established at 1338z. SSR pointers were repositioned and all SSR data was recovered. See DR# G111293 for more information.
- On day 092, during the DSS 26 support, turbo decoder lock was lost briefly beginning at 1348z. This resulted in the loss of four frames of instrument SSR data. See DR# N107265 for more information.
- On day 093, during the DSS 14 support, initial telemetry lock at BOT was delayed nine minutes due to the antenna pointing model. A conscan was initiated and telemetry lock occurred at 1254z. This anomaly resulted in the loss of several minutes of SECCHI instrument SSR data. See DR# G111302 for more information.

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

- On day 087, the playback of SECCHI SSR2, special event partition #20, was disabled at 1333z.
- On day 089, the playback of SECCHI SSR2, special event partition #20, was enabled at 1322z. To optimize downlink bandwidth, after playing back the recorded data, the playback was disabled at 091-1326z.
- The average daily SSR playback volume for Ahead was 5.7 Gbits during this week.

STEREO Behind (STB) Status:

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

- On day 088, during the DSS 15 support, turbo decoder lock was lost briefly beginning at 0359z due to a transmitter anomaly. This resulted in the loss of 19 frames of SECCHI instrument SSR data. See DR# G111279 for more information.
- On day 088, during the DSS 15 support, real-time tracking data stopped flowing to the FDF. On day 094, the TDS was restarted at 1808z which corrected the anomaly. Tracking data from the missed 12 supports was retransmitted to the FDF. See DR# N107268 for more information.
- On day 088, during the DSS 63 support, initial telemetry lock at BOT was delayed 22 minutes due to an antenna pointing problem in elevation. The anomaly was resolved and the antenna began tracking at 1702z. SSR pointers were repositioned and all SSR data was recovered. See DR# M106268 for more information.

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

- On day 088, the playback of SECCHI SSR2, special event partition #20, was enabled at 1747z. To optimize downlink

bandwidth, after playing back the recorded data, the playback was disabled at 089-1441z.

- The average daily SSR playback volume for Behind was 5.5 Gbits during this week.