STEREO MOC Status Report
Time Period: 2011:094 - 2011:100

STEREO Ahead (STA) Status:

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

- On day 095, during the DSS 45 support, the pre-pass ranging calibration was unsuccessful due to an anomaly with the uplink ranging assembly. This resulted in uncalibrated ranging data for 235 minutes. See DR# C108011 for more information.

- On day 097, during the DSS 25 support, the turbo decoder lost lock intermittently beginning at 1614z. Later, as the station reported a high wind condition, the SSR playback was disabled early at 1740z. This resulted in the loss of 24 frames of instrument SSR data. See DR# N107277 for more information.

- On day 098, 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 1255z. All SSR data was recovered. See DR# G111326 for more information.

- On day 099, during the DSS 45 support, telemetry lock was lost intermittently beginning at 2114z through 2121z due to heavy rain. This resulted in the loss of several minutes of instrument SSR data. See DR# C108022 for more information.

- On day 100, during the DSS 25 support, the turbo decoder lost lock intermittently beginning at 1517z through 1540z. This resulted in the loss of several minutes of instrument SSR data.

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

- On day 094, the playback of SECCHI SSR2, special event partition #20, was enabled at 1319z. To optimize downlink bandwidth, after playing back the recorded data, the playback was disabled at 095-1322z.

- On day 095, an additional SECCHI stepped calibration was executed.

- On day 097, the playback of SECCHI SSR2, special event partition #20, was enabled at 1314z. To optimize downlink bandwidth, after playing back the recorded data, the playback was disabled at 098-1631z.

- On day 099, the PLASTIC high voltage power supply was disabled. It was re-enabled on day 100.

- On day 100, the star tracker reset 00:20:40z. At the beginning of the next track with DSS 25, the star tracker was still in standby mode and as designed, fault protection autonomy rule 63 was continuing to fire every 25 seconds to promote it to AAD mode. The ST Failure Recovery contingency procedure was executed which downlinked additional diagnostic data. At 1609z, a soft reset of the star tracker was sent, however, before it reached the S/C, the star tracker successfully promoted to AAD mode via autonomy rule 63 firing. After the OWLT, at 1621z, the soft reset command was executed and the star tracker transitioned back to AAD mode at 1628z. Diagnostic data indicated the reset cause was due to a CPU Error. This was the third star tracker reset on the AHEAD S/C.

- The average daily SSR playback volume for Ahead was 5.2 Gbits during this week.

STEREO Behind (STB) Status:

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

- On day 094, during the DSS 24 support, telemetry lock was lost due to a receiver and DCD equipment overheating anomaly beginning at 1816z through 1826z. This resulted in the loss of hour of instrument SSR data. See DR# G111308 for more information.

- On day 096, during the DSS 65 support, turbo decoder lock was lost intermittently beginning at 1644z through 1751z. This resulted in the loss of several minutes of instrument SSR data. See DR# N107274 for more information.

- On day 097, during the DSS 26 support, turbo decoder lock was lost intermittently beginning at 0221z through 0345z. This resulted in the loss of five frames of instrument SSR data. See DR# N107276 for more information.

- On day 098, during the DSS 26 support, turbo decoder lock was lost briefly beginning at 0335z. This resulted in the loss of two frames of instrument SSR data. See DR# N107278 for more information.

- On day 100, during the DSS 65 support, turbo decoder lock was lost intermittently beginning at 1357z through 1524z. This resulted in the loss of 24 frames of instrument SSR data.

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

- On day 094, the playback of SECCHI SSR2, special event partition #20, was enabled at 1716z. To optimize downlink bandwidth, after playing back the recorded data, the playback was disabled at 096-1715z.

- On day 098, the playback of SECCHI SSR2, special event partition #20, was enabled at 1835z. To optimize downlink bandwidth, after playing back the recorded data, the playback was disabled at 100-0135z.

- The average daily SSR playback volume for Behind was 5.4 Gbits during this week.