

STEREO MOC Status Report
Time Period: 2010:123 - 2010:129

STEREO Ahead (STA) Status:

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

- On day 125, during the DSS 26 support, the transmitter was declared red at BOT due to generator overload anomaly. The anomaly was cleared and uplink was established at 1446z for the duration of the support. This resulted in the loss of 181 minutes of commanding and two-way tracking data and several minutes of SSR data for all instruments due to the delayed uplink sweep. See DR# G110215 for more information.
- On day 127, during the DSS 34 support, began routine use of the 10 kW transmit power for each support.

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

- On DOY 126 at 0935z, a SECCHI HI Stray Light Offpoint Calibration event was conducted.
- The average daily SSR playback volume for Ahead was 4.8 Gbits during this week.

STEREO Behind (STB) Status:

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

- On days 122 and 123, in-situ instruments SSR partitions began overwriting due to insufficient track coverage in the previous week. Specifically, the combination of a 31 hour gap between tracks on day 120 followed by two short duration tracks on day 121 and 122 resulted in the loss of several hours of PLASTIC and SWAVES SSR data on day 122 and many hours of in-situ instrument data on day 123. The primary cause of the insufficient track time was sharing the same view with many other higher priority missions.
- On day 124, during the DSS 45 support, telemetry lock was lost due to heavy rain at the Canberra complex from 0641z through 0648z. This resulted in the loss of several

minutes of SSR data for all instruments. See DR# C107360 for more information.

- On day 127, during the DSS 26 support, began routine use of the 10 kW transmit power for each support.
- On day 127, during the DSS 26 support, a transmitter anomaly occurred at 2302z. After a failed power supply was replaced, the uplink was re-established at 128-0304z. This resulted in the loss of 242 minutes of commanding and tracking data and several minutes of SSR data for all instruments. Several hours of additional in-situ SSR data were lost due to the inability to transmit planned commands to free SSR space. See DR# G110220 for more information.

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

- On DOY 126 at 1750z, a SECCHI HI Stray Light Offpoint Calibration event was conducted.
- The average daily SSR playback volume for Behind was 4.5 Gbits during this week.