

STEREO MOC Status Report
Time Period: 2010:116 - 2010:122

STEREO Ahead (STA) Status:

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

- On day 119, during the DSS 45 support, new DSN configuration files, G161, for use with the new CDR replacement, the Data Capture and Delivery subsystem (DCD) were tested successfully.

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

- On day 116, began routine use of the 240 kbps downlink rate.
- On day 117, the SECCHI instrument reset at 18:48:42z. The SECCHI team reconfigured the instrument to operational mode at 118-1400z. This was the 16th reset of SECCHI on the Ahead spacecraft.
- On day 118, the SECCHI GT calibration did not occur as the SECCHI AHEAD instrument was in maintenance mode as a result of the instrument reset.
- On day 118, the MOps permanent macro release 1.1.3 was loaded to C&DH EEPROM and RAM which removed the in-situ instrument SSR double playback at the 720 kbps downlink rate to increase data return.
- The average daily SSR playback volume for Ahead was 5.1 Gbits during this week.

STEREO Behind (STB) Status:

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

- On day 116, during the DSS 15 support, the command uplink was late due to the transmitter before BOT. The transmitter was reset and the uplink was established at 2044z. This resulted in the loss of 39 minutes of commanding and tracking data and two hours of in-situ instrument space weather SSR data only. See DR# G110207 for more information.

- On day 119, during the DSS 54 support, new DSN configuration files, G161, for use with the new CDR replacement, the Data Capture and Delivery subsystem (DCD) were tested successfully.
- On days 122, PLASTIC and SWAVES instruments SSR partitions began overwriting due to insufficient track coverage. 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. The primary cause of the insufficient track time was sharing the same view with many other higher priority missions.

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

- On day 117, the 23rd momentum dump was successfully executed at 2030z, which imparted a delta V of 0.0575 m/sec.
- On DOY 118 at 0730z, a SECCHI GT Calibration Offpoint event was conducted.
- The average daily SSR playback volume for Behind was 4.2 Gbits during this week.