

STEREO MOC Status Report
Time Period: 2009:096 - 2009:102

STEREO Ahead (STA) Status:

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

- On day 099, during the return to service DSS 43 support, the transmitter was red before BOT due to high temperature. As this was a return to service track for DSS 43 and the STEREO project, telemetry and monitor data were verified but not commanding or 2-way tracking data. This track ended early, at 2115Z, to allow for transmitter fault isolation. See DR# C106857 for more information.

2. Ahead spacecraft performance continues to be very good with all subsystems performing nominally. The following spacecraft/instrument events occurred during this week:

- On day 098, the 2nd SECCHI HI 180 degree roll to observe the L4 libration point was executed successfully.
- The average daily SSR playback volume for Ahead was 6.2 Gbits during this week.

STEREO Behind (STB) Status:

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

- On day 101, during the DSS 34 support, the transmitter tripped off-line for 28 minutes being at 0711Z due to lighting. This resulted in the loss of some SSR data. See DR# C106859 for more information.
- On day 101, during the DSS 34 support, TLM lock was intermittent for 53 minutes being at 0741Z due to heavy rain. This resulted in the loss of some SSR data. See DR# C106860 for more information.

2. Behind spacecraft performance continues to be very good with all subsystems performing nominally. The following spacecraft/instrument events occurred during this week:

- On day 097, the 9th SECCHI stepped calibration, for perihelion, was executed successfully.
- On day 098, SWAVES successfully loaded flight software version 3.88.
- On day 098, the 2nd SECCHI HI 180 degree roll to observe the L5 libration point was executed successfully.
- IMU2 continues to be used as the G&C gyro sensor. While IMU1 is nominal, IMU2 is being used to characterize its performance.
- The average daily SSR playback volume for Behind was 6.0 Gbits during this week.