

STEREO MOC Status Report
Time Period: 2007:190 - 2007:196

STEREO Ahead (STA) Status:

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

- None.

2. Ahead spacecraft performance continues to be very good with all subsystems performing nominally. IMU 2 continues to be used nominally on the Ahead spacecraft. The following list summarizes the spacecraft/instrument events which occurred during this week:

- The average daily SSR playback volume for Ahead was 6.4 Gbits during this week.
- On day 192 an HGA Calibration was successfully completed. The high data rate (720k) and the distance of the spacecraft from Earth resulted in a loss of realtime telemetry at the extreme of the HGA offpoints (2 degrees). This had no effect on the HGA calibration or the data for analysis of the calibration event.

STEREO Behind (STB) Status:

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

- On day 194, DSS-55 experienced a failure of the Uplink Ranging Assembly at 21:18Z which resulted in several momentary losses of command lock. The SCB dump at the end of this track was unsuccessful due to this problem.

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

- The average daily SSR playback volume for Behind was 7.0 Gbits during this week.
- On day 192 an HGA Calibration was successfully completed. Due to loss of telemetry experienced earlier on the Ahead spacecraft during this calibration sequence, the data rate was reduced to 96k for the Behind calibration. Switching the data rate to 96k resulted in a 15 minute miss-configuration of the G&C downlink which prevented recovery of some of the G&C Black Box data. This occurred prior to the start of the HGA Calibration and therefore, this data was not needed.