STEREO MOC Status Report
Time Period: 2011:164 - 2011:170

STEREO Ahead (STA) Status:

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

- On day 165, before the start of the return to service DSS 34 support, the transmitter was declared red and remained unavailable for the duration. See DR# C108082 for more information.

- On day 168, during the DSS 45 support, the MOC lost monitor data, telemetry, and commanding from 20:42-21:05z due to an external communications (JPL>CDSCC NTR1 & NTR2) failure at SPC-40. All SSR data was recovered. See DR# N107424 for more information.

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

- On day 166, a 160 kbps downlink rate test track was conducted satisfactory using DSS 25.

- On day 167, a flight software load to the IMPACT IDPU was conducted for the PLASTIC instrument flight software update (Version 32A) to provide user control to reduce the overall telemetry rate contributed by the PLASTIC instrument. With this update, PLASTIC can control which ApIDs are to be downlinked and the accumulation period for the Heavy Ion products.

- On day 168, IMPACT executed a soft reset of the IDPU to activate the new flight software loaded on DOY 167. IMPACT completed configuring their instrument during the same track.

- On day 169, PLASTIC completed configuring their instrument after the IDPU soft reset.

- The average daily SSR playback volume for Ahead was 6.4 Gbits during this week.

STEREO Behind (STB) Status:

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

- On day 164, during the DSS 63 support, turbo decoder lock was lost briefly beginning at 1655z. This resulted in the loss of four frames of instrument SSR data. See DR# N107413 for more information.

- On day 165, during the DSS 63 support, telemetry lock was intermittent beginning at 1632z for 12 minutes due the low elevation of the antenna and the sub-reflector in a fixed position. A stable telemetry lock was established at 1644z. Later in the support, turbo decoder lock was lost at 1916z. These anomalies resulted in the loss of five frames of instrument SSR data. See DR# M106365 and DR# N107428 for more information.

- On day 167, the transmitter was declared red before the start of the DSS 54 support. Later in the support, turbo decoder lock was lost briefly at 1818z and at 1851z. These anomalies resulted in no uplink for the duration of the support and the loss of seven frames of instrument SSR data. See DR# M106367 and DR# N107425 for more information.

- On day 169, during the DSS 55 support, the MOC lost monitor data and telemetry from 16:20-18:09z due to the Monitor Data Server 1 crash at SPC-60. All SSR data was recovered. See DR# M106372 for more information.

- On day 170, during the DSS 26 support, turbo decoder lock was lost briefly beginning at 0153z. This resulted in the loss of thirteen frames of instrument SSR data. See DR# N107429 for more information.

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

- The average daily SSR playback volume for Behind was 6.2 Gbits during this week.