STEREO MOC Status Report
Time Period: 2010:018 - 2010:024

STEREO Ahead (STA) Status:

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

- On day 018, the DSN Central Data Recorder 1 (CDR1) failed at 2147z. The redundant unit, CDR2, was placed on-line and began reprocessing data starting at day 010. For the STEREO project, all mission data received by each DSN station is forwarded and stored on the CDR. The CDR normally sends this data to the STEREO MOC every 30 minutes via the Internet. Each day, MOC data products are created from the latest data received from the CDR. Command and control operations were never affected and each S/C continued to collect and downlink science data as usual. This CDR anomaly resulted in a four day delay of receiving, processing, and distributing SSR data for all instruments. No SSR data was lost from this anomaly. The CDR is expected to be back to nominal operations on day 025. The MOC data products processing are expected to be back to nominal operations by day 028. See DR# N105920 for more information.
- On day 018, during the DSS 25 support, the transmitter tripped off-line at 1430z. The transmitter was placed back on-line at 1513z. This resulted in the loss of 42 minutes of commanding and tracking data and several minutes of SSR data for all instruments. See DR# G109967 for more information.

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

- On day 019, the 27th momentum dump was successfully executed at 1600Z, which imparted a delta V of 0.0781 m/sec.
- The average daily SSR playback volume for Ahead was not available this week due to the DSN CDR anomaly.

STEREO Behind (STB) Status:

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

- On day 018, the DSN Central Data Recorder 1 (CDR1) failed at 2147z. The redundant unit, CDR2, was placed on-line and began reprocessing data starting at day 010. For the STEREO project, all mission data received by each DSN station is forwarded and stored on the CDR. The CDR normally sends this data to the STEREO MOC every 30 minutes via the Internet. Each day, MOC data products are created from the latest data received from the CDR. Command and control operations were never affected and each S/C continued to collect and downlink science data as usual. This CDR anomaly resulted in a four day delay of receiving, processing, and distributing SSR data for all instruments. No SSR data was lost from this anomaly. The CDR is expected to be back to nominal operations on day 025. The MOC data products processing are expected to be back to nominal operations by day 028. See DR# N105920 for more information.
- On day 021, during the DSS 25 support, telemetry lock was intermittently lost starting at 2039z. This resulted in the loss of several minutes of SSR data for all instruments. A DR has been requested.
- On day 024, during the DSS 34 support, monitor data was lost for four minutes starting at 0450z due to loss of connectivity to the ranging and receiver processor (RRP). A redundant RRP was placed on line. This resulted in the loss of four minutes of monitor data. All SSR data was received. See DR# C107223 for more information.

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

- On day 019, a repeat of the 12th SECCHI stepped calibration, at the aphelion/perihelion midpoint, was executed successfully.
- The average daily SSR playback volume for Behind was not available this week due to the DSN CDR anomaly.