

STEREO MOC Status Report
Time Period: 2011:150 - 2011:156

STEREO Ahead (STA) Status:

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

- On day 151, during the DSS 54 support, turbo decoder lock was lost briefly at 0659z. This resulted in the loss of three frames of instrument SSR data. See DR# N107368 for more information.
- On day 153, during the DSS 14 support, initial telemetry acquisition was delayed four minutes due to a receiver and ranging processor anomaly. After processor was reset, telemetry lock was established at 1134z. The SSR playback was stopped and SSR pointers were repositioned. All SSR data was recovered. See DR# G111650 for more information.
- On day 156, during the DSS 54 support, real-time telemetry was lost at 0409z. After the DCD software was reinitialized, real-time telemetry was received in the MOC at 0424z. Later in the support, turbo decoder lock was lost intermittently beginning at 0456z. These anomalies resulted in the loss of five frames of instrument SSR data. See DR# N107374 for more information.

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

- On day 150, the SECCHI instrument reset at 03:41:57z. The SECCHI team reconfigured the instrument to operational mode at 150-1535z. This was the 22nd reset of SECCHI on the Ahead spacecraft.
- On day 151, during the DSS 25 support, the wheel speed avoidance parameter was modified in G&C RAM, on the AHEAD observatory only, to reduce the jitter at the avoidance band at zero speed.
- On day 152, the 38th momentum dump was successfully executed at 1430Z, which imparted a delta V of 0.0807 m/sec.
- On day 155, the IMPACT LET instrument stopped collecting data between 1500z and 1800z due to a flight software

anomaly. Diagnostic data was downloaded and the anomaly is being investigated.

- The average daily SSR playback volume for Ahead was 5.4 Gbits during this week.

STEREO Behind (STB) Status:

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

- On day 152, during the DSS 15 support, telemetry frames were lost intermittently beginning at 0209z through 0328z. Later in the track, ranging lock was lost at 0333z through the remainder of the track. Again, later in the support, real-time telemetry was lost at 0404z due to a DCD anomaly. After the DCD failed over to the redundant side, real-time telemetry was received in the MOC at 0428z. These anomalies resulted in the loss of an hour of instrument SSR data and 77 minutes of ranging data. See DR# G111634 and N107374 for more information.
- On day 152, during the DSS 63 support, initial telemetry acquisition was delayed three minutes as the antenna was late in arriving on point. After the antenna was on point, telemetry lock was established at 1633z. This resulted in the loss of one frame of instrument SSR data. See DR# N107371 for more information.
- On day 153, during the DSS 63 support, initial telemetry acquisition was delayed 50 minutes due on going antenna maintenance. After the antenna was declared ready for service, telemetry lock was established at 1520z. The SSR playback was stopped and SSR pointers were repositioned. All SSR data was recovered. See DR# M106346 for more information.
- On day 154, during the DSS 63 support, real-time telemetry was lost at 1926z. After the DCD software was reinitialized, real-time telemetry was received in the MOC at 1941z. This anomaly resulted in the loss of 15 minutes of real-time data. All SSR data was recovered. See DR# N107373 for more information.

- On day 155, during the DSS 63 support, turbo decoder lock was lost intermittently beginning at 1313z and 1448z. This resulted in the loss of five frames of instrument SSR data.

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

- On day 151, the IMPACT LET instrument stopped collecting data at 0020z due to a flight software anomaly. Diagnostic data was downloaded and the anomaly is being investigated.
- On day 151, the 32nd momentum dump was successfully executed at 1600z, which imparted a delta V of 0.067 m/sec.
- The average daily SSR playback volume for Behind was 5.8 Gbits during this week.