STEREO MOC Status Report
Time Period: 2014:209 - 2014:215

STEREO Ahead (STA) Status:

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

   - On day 210, during the DSS-25 support, command bind was aborted at 1836z and again at 1946z due to a transmitter glitch. This anomaly had no impact on operations and command bind was reestablished at 1856z and again at 1951z. See DR #G115287 for more information.

   - On day 215, during the DSS-26 support, turbo decoder lock was lost intermittently beginning at 1520z through 1607z due to rain and heavy cloud cover. The SSR pointers for were repositioned, but all the data was not recovered. This anomaly resulted in the loss of 1316 frames of SSR data. See DR #G115297 for more information.

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

   - On day 210, C&DH FSW version 3.2.4 was loaded to EEPROM (copy 1) in preparation for solar conjunction.

   - On day 213, the MOPS permanent macro release 1.1.23 and the Data Handling release 1.1.8 were loaded to RAM in preparation for the solar conjunction telemetry rate testing on DOY 218.

   - The average daily SSR playback volume for Ahead was 3.5 Gbits during this week.

STEREO Behind (STB) Status:

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

   - On day 209, during the DSS-14 support, turbo decoder lock was lost intermittently beginning at 1648z through 1835z due to antenna pointing errors. This anomaly resulted in the loss of 711 frames of SSR data. See DR #G115283 for more information.

   - On day 210, during the DSS-63 support, turbo decoder lock was lost briefly at 0717z and again at 0720z. This anomaly resulted in the loss of 21 frames of SSR data.

- On day 211, a project interface test was conducted successfully with DSS-35, the new 34m BWG antenna at the DSN Canberra complex, at 0100z. The MOC successfully bound with the station for commanding and received spacecraft telemetry. SECCHI used this command opportunity to reopen the COR1/COR2 covers, which had been left closed after the momentum dump on DOY 209.

- On day 214, during the DSS-55 support, turbo decoder lock was lost briefly at 1054z. This anomaly resulted in the loss of 218 frames of SSR data. See DR #M108213 for more information.

- On day 214, during the DSS-25 support, command bind was aborted at 1508z due to a transmitter glitch. This anomaly had no impact on operations and command bind was reestablished at 1556z. See DR #G115293 for more information.

- On day 215, during the DSS-55 support, turbo decoder lock was lost briefly at 0740z. This anomaly resulted in the loss of eleven frames of SSR data.

- On day 215, during the DSS-14 support, telemetry was delayed by 23 minutes until 1618z due to rain and heavy cloud cover. The SSR pointers for were repositioned prior to the outage and all data was recovered. See DR #G115298 for more information

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

- On day 209, the 65th momentum dump was executed successfully at 1945Z, which imparted a delta V of 0.061 m/sec. The SECCHI COR1/COR2 covers remained closed until DOY 211-0252z.

- On day 215, a HGA operational side lobe test was executed successfully at 1700z through 1830z during the DSS-14 support to validate the performance of data rates for HGA off-pointing and on the first and second HGA side lobes in preparations for use during the solar conjunction mission phase. For 30 minutes each, the HGA was off-pointed one degree using a 360 kbps downlink and 2000 bps uplink, then slewed to the first HGA side lobe using a 10 kbps downlink and 500 bps uplink rates, and finally slewing the HGA to the second side lobe using a 3 kbps downlink and 125 bps uplink rates on the BEHIND observatory. RF performance is being analyzed.

- The average daily SSR playback volume for Behind was 4.1 Gbits during this week.