STEREO MOC Status Report
Time Period: 2014:083 – 2014:089

STEREO Ahead (STA) Status:

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

   • On day 084, during the DSS-24 support, no commanding or ranging was conducted due to a transmitter problem. See DR #G114870 for more information.

   • On day 085, during the DSS-14 support, turbo decoder lock was lost briefly at 2011z and again at 2122z due to high winds at the station. This anomaly resulted in the loss of 174 frames of SSR data. See DR #G114873 for more information.

   • On day 088, during the DSS-55 support, turbo decoder lock was lost intermittently beginning at 0804z through 1014z. This anomaly resulted in the loss of four frames of SSR data.

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

   • On day 083, the G&C parameter imu_gyrodrift was set to a static value in RAM. This parameter was routinely updated by MOps on a weekly basis however this is no longer necessary due to the transition to Reduced Gyro Operations.

   • On day 085, the 66th momentum dump was executed successfully at 2130z, which imparted a delta V of 0.0931 m/sec.

   • The average daily SSR playback volume for Ahead was 3.1 Gbits during this week.

STEREO Behind (STB) Status:

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

   - None

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

   - On day 083, the G&C parameter imu_gyrodrift was set to a static value in RAM. This parameter was routinely updated by MOps on a weekly basis however this is no longer necessary due to the transition to Reduced Gyro Operations.

   - On day 084, the 28th SECCHI stepped calibration was executed at 1640z for the midpoint in the orbit.

   - On day 086, MOps permanent macro release 1.1.19 was copied from C&DH RAM to EEPROM. Also, fault protection release 2.3.13 was loaded to C&DH EEPROM. Both of these releases contain autonomy rules and macros used to support Reduced Gyro Operations.

   - The average daily SSR playback volume for Behind was 4.0 Gbits during this week.