STEREO MOC Status Report
Time Period: 2014:069 – 2014:075

STEREO Ahead (STA) 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 070, the SSR science partitions filled as follows:

     SWAVES (Part 13) remained 100% full at 0809z for 2.6 hours.
     SWAVES (Part 13) remained 100% full at 1444z for 5.4 hours.

   - On day 070, MOps permanent macro release 1.1.18 was copied from C&DH RAM to EEPROM. This release modified MOps macros to suppress invalid telemetry indications when the IMU is not powered. In addition, the IMU power on/off macros were copied from C&DH RAM to EEPROM. The entire set of MOps Reduced Gyro Operations macros now reside in EEPROM.

   - On day 071, fault protection release 2.3.12 was loaded to C&DH EEPROM. This release contains autonomy rules and associated macros used to support Reduced Gyro Operations.

   - On day 073, at G&C's request, MOps increased the period between low wheel speed checks from one hour to three hours. This will reduce the frequency of drops in fine-pointing should the reaction wheels be operating at low speeds for extended periods of time.

   - 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:

- On day 069, during the DSS-26 support, no commanding or ranging was conducted due to a transmitter problem. See DR #G114790 more information.

- On day 075, during the DSS-26 support, the downlink was dropped between 2110z and 2126z due to a software issue at the station. This anomaly resulted in the loss of 0.3 hours of SSR data. See DR #G114831 more information.

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

   - The spacecraft continued to drop fine-pointing intermittently throughout the week as a result of G&C software reacting to low reaction wheel speeds. On day 073, at G&C's request, MOps increased the period between low wheel speed checks from one hour to three hours. This will reduce the frequency of drops in fine-pointing should the reaction wheels be operating at low speeds for extended periods of time.

   - The average daily SSR playback volume for Behind was 3.3 Gbits during this week.