STEREO MOC Status Report
Time Period: 2014:034 - 2014:040

STEREO Ahead (STA) Status:

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

   - On day 034, during the DSS-34 support, turbo decoder lock was lost briefly at 0221z. This anomaly resulted in the loss of one frame of SSR data.

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

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

STEREO Behind (STB) Status:

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

   - On day 034, during the DSS-34 support, turbo decoder lock was lost briefly at 0702z. This anomaly resulted in the loss of one frame of SSR data.

   - On day 037, during the DSS-63 support, turbo decoder lock was lost intermittently between 1708z and 1711z due to rain. This anomaly resulted in the loss of 1167 frames of SSR data. See DR# N109374 for more information.

   - On day 039, during the DSS-25 support, turbo decoder lock was lost briefly at 0108z. This anomaly resulted in the loss of three frames of SSR data.

   - On day 039, during the DSS-63 support, initial telemetry lock was established 95 minutes late due to a cable issue at the station. This anomaly resulted in the loss of 95 minutes of real-time telemetry (all SSR data was received since the commands to start recorder playback were issued from the ground once two-way lock was established). See DR #M107762 for more information.

- On day 040, during the DSS-55 support, turbo decoder lock was lost intermittently between 1007z and 1012z, then again, briefly, at 1602z due to rain. This anomaly resulted in the loss of 355 frames of SSR data. See DR #N109382 for more information.

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

   - The full Reduced Gyro Operations (RGO) fault protection capability for the Behind observatory has been developed. Testing of the fault protection rules and load scripts has begun on the hardware simulator (flatsat). This will replace the temporary version that is currently on the BEHIND observatory by providing fault protection robustness, similar in concept to what is being used on the AHEAD observatory, with an enhancement to reduce the likelihood of unintended autonomous momentum dump firings. RGO extends the life of the remaining IMU by keeping it off most of the time and turning it on only when high rate data is required, such as the periodic momentum dumps, instrument roll calibrations, and spacecraft safety.

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