STEREO MOC Status Report
Time Period: 2011:339 - 2011:345

STEREO Ahead (STA) Status:

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

   - On day 340, the second data flow test was successfully conducted between the ESA reference test station, via the DSN, and the STEREO MOC on AHEAD.

   - On day 342, during the DSS-26 support, turbo decoder lock was lost briefly at 1904z. This anomaly resulted in the loss of one frame of SSR data. See DR# N107806 for more information.

   - On day 345, during the DSS-43 support, turbo decoder lock was lost briefly at 0050z and again at 0132z. This anomaly resulted in the loss of six frames of SSR data. A DR has been requested.

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

   - On day 341, MOps permanent macro release 1.1.14 was loaded to C&DH RAM. This release modified a star tracker contingency macro to collect more diagnostic data during a star tracker reset.

   - The average daily SSR playback volume for Ahead was 5.3 Gbits during this week.

STEREO Behind (STB) Status:

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

   - On day 340, during the DSS-15 support, turbo decoder lock was lost briefly at 1847z and again at 1908z due to the tracks being spaced to close together. This anomaly resulted in the loss of 295 frames of SSR data.

   - On day 342, during the DSS-63 support, turbo decoder lock was lost briefly at 1257z and again at 1607z. This anomaly

resulted in the loss of three frames of SSR data. See DR# N107807 for more information.

- On day 343, the DSS-55 support was shortened by one hour to duration of 2.9 hours and the DSS-26 support was shortened by 30 minutes to duration of 4.5 hours to assist the Kepler mission with safe mode recovery. All SSR data was received.

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

- On day 341, MOps permanent macro release 1.1.14 was loaded to C&DH RAM. This release modified a star tracker contingency macro to collect more diagnostic data during a star tracker reset.

- On day 342, a battery conditioning event was successfully conducted on the BEHIND spacecraft to redistribute the electrolytes within the nickel hydrogen battery cells.

- The average daily SSR playback volume for Behind was 4.8 Gbits during this week.