

STEREO MOC Status Report  
Time Period: 2010:249 - 2010:255

STEREO Ahead (STA) Status:

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

- On day 251, a Project Interface Test (PIT) was conducted to test the DSN TT&C software version 10.1 with the existing RNS during the DSS 25 support. A high SNT (50 deg K) was noted, but did not interfere with the downlink signal reception. See DR# G110509 for more information.
- On day 253, during DSS 55 support, real-time telemetry data reception at the MOC was lost for 38 minutes beginning at 0422z. The same data outage period was experienced on BEHIND, as it was also in a track. All SSR data was recovered.
- On day 253, a PIT was conducted to test the DSN TT&C software version 10.1 with the new DCD system during the DSS 15 support. At the MOC, real-time telemetry frames dropped every five seconds once the SSR playback started. Also, IDR files from the DCD were not received. See DR# G110513 and N106531 for more information.

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

- The average daily SSR playback volume for Ahead was 5.6 Gbits during this week.

STEREO Behind (STB) Status:

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

- On day 251, during the DSS 24 support, an RNS2 disk failed at the Goldstone complex at 0211z. The redundant RNS1 server was placed on-line at 0217z. This resulted in the loss of several minutes of instrument SSR data. See DR# G110508 for more information.
- On day 253, during the DSS 45 support, turbo decoder lock was lost intermittently over a two minute span beginning at 0222z. This resulted in the loss of 148 frames of instrument SSR data. See DR# N106530 for more information.

- On day 253, during DSS 45 support, real-time telemetry data reception at the MOC was lost for 38 minutes beginning at 0422z. The same data outage period was experienced on AHEAD, as it was also in a track. All SSR data was recovered.

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

- On day 250, the 26<sup>th</sup> momentum dump was successfully executed at 2230z, which imparted a delta V of 0.0621 m/sec.
- The average daily SSR playback volume for Behind was 5.2 Gbits during this week.