

STEREO MOC Status Report  
Time Period: 2011:283 - 2011:289

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:
  - On day 289, during the DSS 34 support, turbo decoder lock was lost briefly beginning at 0108z. This anomaly resulted in the loss of two frames of SSR data.
2. The following spacecraft/instrument events occurred during this week:
  - On day 286 at 0725z, the space weather broadcast was switched to the turbo encoded format for duration of five hours to allow the NOAA stations in Germany to test the turbo decoding capability.
  - 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 284, during the DSS 63 support, turbo decoder lock was lost briefly at 1427z and again at 1622z. This anomaly resulted in the loss of two frames of SSR data. See DR# N107658 for more information.
  - On day 287, for the DSS 45 support, the transmitter was declared red prior to the track. Later in the support at 0745z, telemetry lock was lost intermittently due to heavy rain at the Canberra complex. This anomaly resulted in the loss of an hour of SSR data and all commanding and two-way tracking data for the duration of the support. See DR# C108237 for more information.
  - On day 288, during the DSS 34 support, turbo decoder lock was lost intermittently at 0818z and again at 1025z. This anomaly resulted in the loss of several minutes of SSR data.

- On day 289, the last hour of the DSS 14 support was given to the DAWN mission due to ongoing equipment failures at DSS 45 and DSS 24. While all SSR data was planned to be received, telemetry lock was lost ten minutes early at 0100z. This anomaly resulted in the loss of 30 minutes of SSR data.

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

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