

STEREO MOC Status Report  
Time Period: 2013:280 - 2013:286

STEREO Ahead (STA) Status:

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

- On day 280, during the DSS-65 support, telemetry was delayed by 20 minutes until 0625z due to a low signal level. Telemetry was shipped from the DSS-54 front end (attenuator engineering shadow track) until 0657z. Also, no commanding or ranging was conducted due to a transmitter problem that occurred prior to the track. See DRs #M107541 and #M107540 respectively for more information.
- On day 281, during the DSS-63 support, turbo decoder lock was lost briefly at 0726z. This anomaly resulted in the loss of 16 frames of SSR data.
- On day 282, during the DSS-14 support, turbo decoder lock was lost briefly at 1953z. This anomaly resulted in the loss of one frame of SSR data.
- On day 283, the DSS-65 support was deleted due to transmitter maintenance. The SSR pointers for SWAVES, IMPACT, PLASTIC, and SECCHI (13, 15, 17, & 20) were repositioned prior to the outage on the next track and all data was recovered. Due to the amount of time between tracks, the SECCHI SSR partition 19 pointers could not be repositioned. This anomaly resulted in the loss of nine hours (from 282-2025z to 283-0525z) of SECCHI data.

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

- The average daily SSR playback volume for Ahead was 3.8 Gbits during this week.

STEREO Behind (STB) Status:

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

- On day 280, during the DSS-65 support, no commanding or ranging was conducted due to a transmitter problem that occurred prior to the track. See DR #M107543 for more information.
- On day 286, during the DSS-63 support, turbo decoder lock was lost briefly at 1046z. This anomaly resulted in the loss of 23 frames of SSR data.
- On day 287, during the DSS-34 support, turbo decoder lock was lost intermittently beginning at 0033z through 0151z. This anomaly resulted in the loss of three frames of SSR data.

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

- On day 281, the test SECCHI 290 degree ison roll was executed successfully at 1600z.
- On day 282, the SSR science partitions filled as follows:  
SWAVES (Part 13) reached 100% full at 2053z for 1.9 hours.
- On day 283, the SSR science partitions filled as follows:  
SWAVES (Part 13) reached 100% full at 1346z for 0.1 hours.
- On day 284, the SSR science partitions filled as follows:  
SWAVES (Part 13) reached 100% full at 0404z for 9.4 hours.
- On day 286, the SSR science partitions filled as follows:  
SWAVES (Part 13) reached 100% full at 0951z for 1.5 hours.
- The average daily SSR playback volume for Behind was 4.4 Gbits during this week.