

STEREO MOC Status Report
Time Period: 2013:126 - 2013:132

STEREO Ahead (STA) Status:

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

- On day 128, during the DSS-65 support, turbo decoder lock was lost intermittently beginning at 0518z through 0521z. This anomaly resulted in the loss of 84 frames of SSR data. See DR #N108832 for more information.
- On day 129, during the DSS-74 (ESA New Norcia) support, telemetry was delayed by 55 minutes until 2305z due to the station downlink rate configuration of 160 Kbps not matching the spacecraft configuration of 120 Kbps. The spacecraft downlink rate was switched to 160 Kbps to match the station. The SSR pointers were repositioned and all SSR data was recovered. ESA station performance is being reviewed to determine how long the 160 kbps can be maintained.
- On day 131, during the DSS-55 support, turbo decoder lock was lost intermittently beginning at 0522z through 0830z. This anomaly resulted in the loss of twelve frames of SSR data. See DR #N108848 for more information.
- On day 132, during the DSS-55 support, turbo decoder lock was lost briefly at 0657z and again at 0748z. The anomaly resulted in the loss of five frames of SSR data. See DR #N108849 for more information.
- On day 133, during the DSS-55 support, turbo decoder lock was lost briefly at 0514z and again at 0524z. The anomaly resulted in the loss of two frames of SSR data. See DR #N108850 for more information.

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

- The average daily SSR playback volume for Ahead was 4.2 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies/events occurred during this reporting period:
 - On day 127, during the DSS-54 support, telemetry was lost beginning at 1649z through 1655z due to the antenna brakes being applied. The command uplink was interrupted at 1655z and MOPS elected to remain downlink only for the remainder of the track to avoid further data loss. This anomaly resulted in the loss of six minutes (6402 frames) of SSR data. See DR #M107289 for more information.
 - On day 128, during the DSS-65 support, turbo decoder lock was lost briefly at 1937z and again at 1938z. This anomaly resulted in the loss of 228 frames of SSR data. See DR #N108834 for more information.
 - On day 129, during the DSS-63 support, telemetry was delayed by three minutes until 1503z due to an inadvertent symbol rate input entered at the station. The SSR pointers were repositioned and all SSR data was recovered. Also during the track, turbo decoder lock was lost briefly at 1652z. The turbo decoder anomaly resulted in the loss of 113 frames of SSR data. See DRs #M107293 and #N108842 respectively for more information.
 - On day 133, during the DSS-45 support, turbo decoder lock was lost intermittently beginning at 0102z through 0659z due to heavy rain at the station. This anomaly resulted in the loss of 639 frames of SSR data. See DR #C109358 for more information.
2. The following spacecraft/instrument events occurred during this week:
 - The average daily SSR playback volume for Behind was 4.3 Gbits during this week.