

STEREO MOC Status Report

Time Period: 2023:079 (Mar 20) - 2023:085 (Mar 26)

STEREO Ahead (STA) Status:

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

- On day 080 (Mar 21), during the DSS-63 support, the beginning of track telemetry was delayed 2.5 minutes until 1827z, due to a hardware problem. This anomaly resulted in the loss of 2.5 minutes of real-time telemetry and SSR data. The MOPs team repositioned the SSR pointers during the track and recovered all the affected data. See DR #M115651 for more information.
- On day 082 (Mar 23), during the DSS-34 support, turbo decoder lock was lost briefly at 0953z. This anomaly resulted in the loss of five frames of SSR data. The MOPs team repositioned the SSR pointers during the subsequent DSS-56 track and recovered all the affected data.

2. The following spacecraft/instrument events occurred during this week. The Ahead observatory operated nominally during this week.

- As of day 085 (Mar 26), all PLASTIC systems are behaving well, except there is a moderate background count rate, which the team is continuing to monitor.
- The average daily science data return for Ahead was 6.5 Gbits during this week.