

STEREO MOC Status Report

Time Period: 2023:002 (Jan 2) - 2023:008 (Jan 8)

STEREO Ahead (STA) Status:

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

- On day 004 (Jan 4), during the DSS-55 support, the beginning of track telemetry was delayed by two minutes (1237z) and commanding delayed by nine minutes (1254z), due to an automation software error. This anomaly resulted in the loss of 922 frames of SSR data. The MOPs team repositioned the SSR pointers during the track and recovered all the affected data. See DR #M115359 for more information.
- On day 005 (Jan 5), during the DSS-53 support, turbo decoder lock was lost briefly at 1358z. This anomaly resulted in the loss of three frames of SSR data. The MOPs team repositioned the SSR pointers during the subsequent DSS-25 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 008 (Jan 8), 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 6.1 Gbits during this week.