

STEREO MOC Status Report

Time Period: 2023:058 (Feb 27) - 2023:064 (Mar 5)

STEREO Ahead (STA) Status:

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

- On day 058 (Feb 27), during the DSS-25 support, the MOC conducted a successful Project Interface Test (PIT) in parallel with the normal track. The purpose was to validate OpsAna-17 telemetry server operations and data delivery for the TTC software (v2.4). The MOC received real-time telemetry through the OpsAna-17 server with the same performance as the nominal SLE operational server.
- On day 060 (Mar 1), during the DSS-55 support, turbo decoder lock was lost intermittently between 1433z and 1557z. This anomaly resulted in the loss of 172 frames of SSR data. The MOPs team repositioned the SSR pointers during the support and recovered all the affected data. See DR #M115598 for more information.
- On day 062 (Mar 3), during the DSS-34 support, turbo decoder lock was lost briefly at 1009z. This anomaly resulted in the loss of five frames of SSR data. The MOPs team repositioned the SSR pointers during the support and recovered all the affected data.
- On day 064 (Mar 5), during the DSS-56 support, turbo decoder lock was lost briefly at 1753z. This anomaly resulted in the loss of five frames of SSR data.

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

- As of day 064 (Mar 5), 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 6.2 Gbits during this week.