

STEREO MOC Status Report

Time Period: 2024:064 (Mar 4) - 2024:070 (Mar 10)

STEREO Ahead (STA) Status:

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

- On day 064 (Mar 4), during the DSS-53 support, the File Delivery Service (FDS) was offline, due to a network problem. This anomaly delayed the nominal delivery of telemetry files during the track. The MOPs team performed a manual file retrieval at 064-2310z. See DR #N113010 for more information.
- On day 066 (Mar 6), during the DSS-54 support, turbo decoder lock was lost briefly at 0528z. This anomaly resulted in the loss of 100 frames of SSR data. The MOPs team repositioned the SSR pointers during the support and recovered all the affected data. See DR #M116794 for more information.
- On day 067 (Mar 7), during the DSS-36 support, the beginning of track was delayed by three minutes, due to a receiver problem. This anomaly resulted in the loss of three minutes of real-time telemetry, tracking, and SSR data. The MOPs team repositioned the SSR pointers during the track and recovered all of the affected data. See DR #C117771 for more information.

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

- As of day 070 (Mar 10), 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 6.8 Gbits during this week.