

STEREO MOC Status Report

Time Period: 2024:155 (Jun 3) - 2024:161 (Jun 9)

STEREO Ahead (STA) Status:

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

- On day 157 (Jun 5), during the DSS-65 support, the antenna was declared red due to a X-band LNA problem following a maintenance event. This anomaly resulted in the loss of 1.6 hours of real-time telemetry, commanding, tracking and SSR data. The MOPs team repositioned the SSR pointers during the subsequent DSS-26 track and recovered all the affected data. See DR #M117007 for more information.
- On day 158 (Jun 6), during the DSS-14 support, the beginning of track was delayed 50 minutes until 1255z, due to DSN not being able to monitor and control any Goldstone subsystems after a scheduled network downtime. This anomaly resulted in the loss of 50 minutes of real-time telemetry, commanding, tracking, and SSR data. The MOPs team repositioned the SSR pointers during the track and recovered all the affected data. See DR #G124491 for more information.

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

- As of day 161 (Jun 9), 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.