

STEREO MOC Status Report

Time Period: 2023:177 (Jun 26) - 2023:183 (Jul 2)

STEREO Ahead (STA) Status:

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

- On day 183 (Jul 2), during the DSS-65 support, the antenna was declared orange and unable to lock turbo decoder frames, due to a hardware problem. This anomaly resulted in the loss of 3.9 hours of real-time telemetry, command, tracking and SSR data. The MOPs team repositioned the SSR pointers during the subsequent DSS-14 track and recovered all the affected data, except for the loss of 10.7 hours of SECCHI data for day 182-1602z thru 183-0240z. See DR #M116025 for more information.

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

- As of day 183 (Jul 2), 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 5.8 Gbits during this week.