

STEREO MOC Status Report

Time Period: 2023:121 (May 1) - 2023:127 (May 7)

STEREO Ahead (STA) Status:

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

- On day 125 (May 5), during the DSS-53 support, turbo decoder lock was lost briefly at 1803z, due to a receiver restart to reacquire ranging. This anomaly resulted in the loss of 324 frames of SSR data. The MOPs team repositioned the SSR pointers during the subsequent DSS-35 track and recovered all the affected data. See DR #M115745 for more information.

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

- As of day 127 (May 7), 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 6.3 Gbits during this week.