

STEREO MOC Status Report

Time Period: 2023:184 (Jul 3) - 2023:190 (Jul 9)

STEREO Ahead (STA) Status:

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

- On day 184 (Jul 3), during the DSS-14 support, turbo decoder lock was lost briefly at 0146z. This anomaly resulted in the loss of 27 frames of SSR data. The MOPs team repositioned the SSR pointers during the support and recovered all the affected data.

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

- As of day 190 (Jul 9), all PLASTIC systems are behaving well, except there is a moderate background count rate, which the team is continuing to monitor.
- On day 190 (Jul 9), the first week of the SECCHI high downlink campaign (HDC) was completed for STEREO-A closest approach to Earth (occurs on Aug 17, 2023). During the HDC, SECCHI will be repeating data collections from 2007 and 2008 for high cadence EUVI, COR1/2, and HI1/2 images. Extra DSN track coverage has been planned for the HDC (Jul 3 - Aug 2, 2023) to increase the daily science data return to 10-11 Gbits per day (normally 5-6 Gbits).
- The average daily science data return for Ahead was 10.7 Gbits during this week.