

STEREO MOC Status Report

Time Period: 2023:275 (Oct 2) - 2023:281 (Oct 8)

STEREO Ahead (STA) Status:

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

- On day 280 (Oct 7), during the DSS-14 support, turbo decoder lock was lost briefly at 1326z. This anomaly resulted in the loss of 53 frames of SSR data. The MOPs team repositioned the SSR pointers during the support and recovered all the affected data. See DR #G124040 for more information.

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

- On day 276 (Oct 3), the third and final week of the SECCHI high downlink campaign (HDC) was completed. During the HDC, SECCHI will be collecting hi cadence COR2 images in conjunction with the Parker Solar Probe perihelion pass. Extra DSN track coverage has been planned for the HDC (Sep 23 - Oct 3, 2023) to increase the daily science data return to 10-11 Gbits per day (normally 5-6 Gbits).
- As of day 281 (Oct 8), 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 7.5 Gbits during this week.