

STEREO MOC Status Report

Time Period: 2023:268 (Sep 25) - 2023:274 (Oct 1)

STEREO Ahead (STA) Status:

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

None.

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

- On day 274 (Oct 1), the second week of the SECCHI high downlink campaign (HDC) was completed. During the HDC, SECCHI will be collecting high 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 274 (Oct 1), 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 9.5 Gbits during this week.