

## STEREO MOC Status Report

Time Period: 2023:212 (Jul 31) - 2023:218 (Aug 6)

### STEREO Ahead (STA) Status:

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

- On day 215 (Aug 3), during the DSS-53 support, turbo decoder lock was lost intermittently between 1440z and 1445z. This anomaly resulted in the loss of 568 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.

- On day 214 (Aug 2), the fifth and final 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).
- On day 215 (Aug 3), the MOPs team successfully conducted the 14th battery discharge event at 1500z to redistribute the electrolytes within the nickel hydrogen battery cells.
- As of day 218 (Aug 6), 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 7.6 Gbits during this week.