

STEREO MOC Status Report

Time Period: 2022:101 (Apr 11) - 2022:107 (Apr 17)

STEREO Ahead (STA) Status:

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

- On day 102 (Apr 12), during the DSS-14 support, the antenna was stowed and unable to track for the entire contact due to high winds. This anomaly resulted in the loss of three hours of real-time telemetry, command, tracking, and SSR data. The MOPs team repositioned the SSR pointers during the subsequent DSS-63 track and recovered all the affected data, except for the loss of ~1.5 hours of SECCHI data for day 101-1023z thru 1152z. See DR #G122681 for more information.

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

- On day 102 (Apr 12), SECCHI SSR Partition 19 reached 100% full at 1840z for 10 minutes. The SSR pointer repositioning during DSS-63 track to recover data from the lost DSS-14 track caused this.
- As of day 107 (Apr 17), 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 6.1 Gbits during this week.