

STEREO MOC Status Report

Time Period: 2023:219 (Aug 7) - 2023:225 (Aug 13)

STEREO Ahead (STA) Status:

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

- On day 221 (Aug 9), DSN conducted a Mission Network maintenance from 0630z through 1030z. After the maintenance, the MOPs team verified the SLE telemetry and command connectivity with DSN. The MOC successfully conducted the subsequent DSS-55 track.

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

- On day 219 (Aug 7), the spacecraft began a slow roll, which will continue until day 233 (Aug 21), for closest approach to Earth (occurs on Aug 17, 2023).
- As of day 225 (Aug 13), 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.