

STEREO MOC Status Report

Time Period: 2022:318 (Nov 14) - 2022:324 (Nov 20)

STEREO Ahead (STA) Status:

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

- On day 319 (Nov 15), during the DSS-55 support, the beginning of track was delayed three hours until 1757z, due to an elevation drive amplifier failure. This anomaly resulted in the loss of three hours of real-time telemetry, commanding, tracking, and SSR data. The MOPs team repositioned the SSR pointers during the support and recovered all the affected data. See DR #M115119 for more information.

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

- On day 322 (Nov 18), the 64<sup>th</sup> SECCHI stepped calibration was executed at 0910z for midpoint in the Ahead orbit. This was the 33<sup>rd</sup> SECCHI stepped calibration roll conducted without gyro use.
- As of day 324 (Nov 20), 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 6.2 Gbits during this week.