

STEREO MOC Status Report

Time Period: 2022:066 (Mar 7) - 2022:072 (Mar 13)

STEREO Ahead (STA) Status:

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

- On day 067 (Mar 8), DSS-25 successfully conducted a Return-To-Service (RTS) engineering demo track. The purpose was to verify X-band Telemetry, Tracking and Command operations after the completion of the X-Band Exciter Replacement. The MOC successfully received real-time telemetry and sent four commands.

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

- On day 067 (Mar 8), the MOPs team successfully conducted the eleventh battery discharge event at 1705z to redistribute the electrolytes within the nickel hydrogen battery cells.
- As of day 072 (Mar 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 7.1 Gbits during this week.