

## STEREO MOC Status Report

Time Period: 2023:240 (Aug 28) - 2023:246 (Sep 3)

### STEREO Ahead (STA) Status:

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

- On day 241 (Aug 29), during the DSS-25 support, the transmitter was declared red due to a hardware problem. This anomaly resulted in the loss of 2.9 hours of real-time commanding and 2-way tracking data. See DR #G123943 for more information.
- On day 244 (Sep 1), during the DSS-55 support, monitor data was not available in the MOC, due to a DSN network issue. See DR # N112769 for more information.

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

- On day 245 (Sep 2), the 159th momentum dump was executed successfully at 0030z, which imparted an estimated delta V of 0.092 m/sec. This was the 78th momentum dump conducted without gyro use. After thruster operations completed, there was a 0.4 degree of roll angle error. Fine pointing stabilized 1.8 minutes after completion of the momentum dump.
- As of day 246 (Sep 3), 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.