

STEREO MOC Status Report

Time Period: 2023:289 (Oct 16) - 2023:295 (Oct 22)

STEREO Ahead (STA) Status:

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

- None.

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

- On day 293 (Oct 20), the 161st momentum dump was executed successfully at 2100z, which imparted an estimated delta V of 0.048 m/sec. This was the 80th momentum dump conducted without gyro use. After thruster operations completed, there was a 0.4 degree of roll angle error. Fine pointing stabilized 3.2 minutes after completion of the momentum dump.
- As of day 295 (Oct 22), 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 6.4 Gbits during this week.