

STEREO MOC Status Report

Time Period: 2023:331 (Nov 27) - 2023:337 (Dec 26)

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 334 (Nov 30), the 162nd momentum dump was executed successfully at 1900z, which imparted an estimated delta V of 0.069 m/sec. This was the 81st momentum dump conducted without gyro use. After thruster operations completed, there was a 0.3 degree of roll angle error. Fine pointing stabilized 2.7 minutes after completion of the momentum dump.
- As of day 337 (Dec 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 6.3 Gbits during this week.