

STEREO MOC Status Report

Time Period: 2022:311 (Nov 7) - 2022:317 (Nov 13)

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 311 (Nov 7), the 151st momentum dump was executed successfully at 1900z, which imparted an estimated delta V of 0.064 m/sec. This was the 70th momentum dump conducted without gyro use. After thruster operations completed, there was a 0.3 degree of roll angle error. Fine pointing stabilized 3.2 minutes after completion of the momentum dump.
- As of day 317 (Nov 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 6.5 Gbits during this week.