

STEREO MOC Status Report

Time Period: 2021:249 (Sep 6) - 2021:255 (Sept 12)

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 250 (Sep 7), the 140th momentum dump was executed successfully at 1845z, which imparted an estimated delta V of 0.066 m/sec. This was the 59th momentum dump conducted without gyro use. After thruster operations completed, there was a 0.46 degree of roll angle error. Fine pointing stabilized 2.8 minutes after completion of the momentum dump.
- As of day 255 (Sept 12), all PLASTIC systems are behaving well, except there is a high 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.