

STEREO MOC Status Report

Time Period: 2021:207 (July 26) - 2021:213 (Aug 1)

STEREO Ahead (STA) Status:

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

- On day 212 (Jul 31), during the DSS-34 support, turbo decoder lock was lost briefly at 0834z and again at 1116Z. This anomaly resulted in the loss of five frames of SSR data.

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

- On day 208 (Jul 27), the 139th momentum dump was executed successfully at 1900z, which imparted an estimated delta V of 0.064 m/sec. This was the 58th momentum dump conducted without gyro use. After thruster operations completed, there was a 0.2 degree of roll angle error. Fine pointing stabilized 2.8 minutes after completion of the momentum dump.
- As of day 213 (Aug 1), 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 6.8 Gbits during this week.