

STEREO MOC Status Report  
Time Period: 2021:165 - 2021:171

STEREO Ahead (STA) Status:

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

- On day 167, during the DSS-34 support, turbo decoder lock was lost briefly at 1044z. This anomaly resulted in the loss of four frames of SSR data.

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

- On day 166, the 138th momentum dump was executed successfully at 1500z, which imparted an estimated delta V of 0.073 m/sec. This was the 57th momentum dump conducted without gyro use. After thruster operations completed, there was a 0.2 degree of roll angle error. Fine pointing stabilized three minutes after completion of the momentum dump.
- As of day 171, 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 7.0 Gbits during this week.