

STEREO MOC Status Report  
Time Period: 2021:123 - 2021:129

STEREO Ahead (STA) Status:

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

- On day 126, during the DSS-35 support, turbo decoder lock was lost briefly at 0924z. This anomaly resulted in the loss of five frames of SSR data. The MOPs team repositioned the SSR pointers on the subsequent DSS-55 support and recovered all the affected data.

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

- On day 126, the 137th momentum dump was executed successfully at 2030z, which imparted an estimated delta V of 0.057 m/sec. This was the 56th momentum dump conducted without gyro use. After thruster operations completed, there was a 0.4 degree of roll angle error. Fine pointing stabilized 3.8 minutes after completion of the momentum dump.
- As of day 129, 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 6.6 Gbits during this week.