

STEREO MOC Status Report
Time Period: 2021:088 - 2021:094

STEREO Ahead (STA) Status:

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

- On day 089, NASA successfully conducted IONET maintenance from 1700z through 1900z without affecting the MOC network.

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

- On day 090, the 136th momentum dump was executed successfully at 1630z, which imparted an estimated delta V of 0.082 m/sec. This was the 55th momentum dump conducted without gyro use. After thruster operations completed, there was a 0.3 degree of roll angle error. Fine pointing stabilized 3.6 minutes after completion of the momentum dump.
- As of day 094, 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 6.4 Gbits during this week.