

STEREO MOC Status Report  
Time Period: 2021:172 - 2021:178

STEREO Ahead (STA) Status:

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

- On day 172, during the DSS-34 support, turbo decoder lock was lost briefly at 0333z and again at 0825Z. This anomaly resulted in the loss of six frames of SSR data. The MOPs team repositioned the SSR pointers on the subsequent DSS-14 support and recovered all the affected data.
- On day 172, APL network engineers successfully replaced the Restricted IONET network firewall equipment.
- On day 175, during the DSS-43 support, turbo decoder lock was lost briefly at 0550z and again at 0618Z. This anomaly resulted in the loss of 196 frames of SSR data. See DR #C115803 for more information.

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

- On day 177, the SECCHI 180 degree roll was executed successfully at 1400z for the fifth Betelgeuse star observation (3rd campaign).
- As of day 178, 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 6.9 Gbits during this week.