

STEREO MOC Status Report
Time Period: 2021:151 - 2021:157

STEREO Ahead (STA) Status:

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

- On day 155, during the DSS-14 support, the antenna was declared red, due to an inoperable subreflector. This anomaly resulted in the loss of 3 hours of real-time commanding, telemetry, ranging, and SSR data. MOPs repositioned the SSR pointers on the subsequent DSS-35 support. All affected DSS-14 data was recovered, except for the loss of ~8.6 hours of SECCHI data for day 154-0018z thru 154-0854z. See DR #G122014 for more information.
- On day 155, during the DSS-35 support, turbo decoder lock was lost briefly at 0830z. This anomaly resulted in the loss of 4 frames of SSR data.

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

- On day 152, the SECCHI 180 degree roll was executed successfully at 1600z for the third Betelgeuse star observation (3rd campaign).
- As of day 157, 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.