

STEREO MOC Status Report

Time Period: 2022:143 (May 23) - 2022:149 (May 29)

STEREO Ahead (STA) Status:

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

- On day 145 (May 25), during the DSS-35 support, turbo decoder lock was lost briefly at 1008z. This anomaly resulted in the loss of five frames of SSR data.
- On day 146 (May 26), during the DSS-25 support, turbo decoder lock was lost intermittently between 0223z and 0231z. This anomaly resulted in the loss of 140 frames of SSR data. The MOPs team repositioned the SSR pointers during the subsequent DSS-55 track and recovered all the affected data. See DR #G122781 for more information.

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

- As of day 149 (May 29), all PLASTIC systems are behaving well, except there is a moderate 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.