

STEREO MOC Status Report

Time Period: 2022:360 (Dec 26) - 2023:001 (Jan 1)

STEREO Ahead (STA) Status:

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

- On day 364 (Dec 30), during the DSS-34 support, turbo decoder lock was lost intermittently between 0320z and 0538z. This anomaly resulted in the loss of eleven frames of SSR data. The MOPs team repositioned the SSR pointers during the track and recovered all the affected data, except for the loss of one minute of SECCHI data for day 363-2124z.
- On day 364 (Dec 30), during the DSS-25 support, the transmitter was declared red due to a hardware problem. This anomaly resulted in the loss of 3.4 hours of real-time commanding and 2-way tracking data. See DR #G123353 for more information.

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

- As of day 001 (Jan 1), 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 6.4 Gbits during this week.