

STEREO MOC Status Report

Time Period: 2022:010 (Jan 10) - 2022:016 (Jan 16)

STEREO Ahead (STA) Status:

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

- On day 014 (Jan 14), during the DSS-56 support, uplink activities were delayed five minutes until 1620z, due to a maintenance related interface failure. This anomaly resulted in the loss 0.2 hours of real-time commanding, 2-way tracking, and 333 frames SSR data during the transition to 2-way downlink mode. The MOPs team repositioned the SSR pointers during the track and recovered all the affected data. See DR #M114187 for more information.
- On day 016 (Jan 16), during the DSS-25 support, turbo decoder lock was lost briefly at 0538z. This anomaly resulted in the loss of twelve frames of SSR data. The MOPs team repositioned the SSR pointers during the subsequent DSS-63 track and recovered all the affected data.

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

- As of day 016 (Jan 16), 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 6.2 Gbits during this week.