

STEREO MOC Status Report

Time Period: 2022:024 (Jan 24) - 2022:030 (Jan 30)

STEREO Ahead (STA) Status:

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

- On day 025 (Jan 25), DSS-53 conducted a successful Project Interface Test. The purpose was to validate X-band Telemetry, Tracking, Command, and Monitor data operations for the new Madrid antenna. The MOC successfully received monitor data, real-time telemetry, and sent four commands.
- On day 028 (Jan 28), during the DSS-25 support, turbo decoder lock was lost briefly at 0527z. This anomaly resulted in the loss of 13 frames of SSR data.
- On day 028 (Jan 28), APL successfully conducted DMZ network maintenance from 2100z through 0400z to replace network switches for expanded capacity and higher speed connections.

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

- As of day 030 (Jan 30), 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 6.9 Gbits during this week.