

STEREO MOC Status Report

Time Period: 2021:361 (Dec 27) - 2022:002 (Jan 2)

STEREO Ahead (STA) Status:

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

- On day 364 (Dec 30), during the DSS-84 (ESA MLG) support, the VC6 telemetry (SSR playback data) was not received in the MOC, due to a SLE server configuration issue. Therefore, the SSR data from 364-0537z through 365-0235z is delayed. In addition, DSN had problems post-track with the SLE offline telemetry playback from ESA. As of day 003 (Jan 3), JPL engineers were working the issue to establish SLE offline telemetry playback with ESA. After the SLE server issues are resolved, the MOC will perform an SLE offline telemetry playback to recover all of the missing data.
- On day 365 (Dec 31), during the DSS-34 support, turbo decoder lock was lost intermittently between 0945z and 1027z. This anomaly resulted in the loss of 18 frames of SSR data. The MOPs team repositioned the SSR pointers during the 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 002 (Jan 2), 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 6.7 Gbits during this week.