

STEREO MOC Status Report

Time Period: 2021:298 (Oct 25) - 2021:304 (Oct 31)

STEREO Ahead (STA) Status:

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

- On day 301 (Oct 28), during the DSS-43 support, the beginning of track was delayed 22 minutes until 1037z, due to a software problem with the support products. This anomaly resulted in the loss 22 minutes of real-time telemetry, commanding, tracking, and SSR data. The MOPs team repositioned the SSR pointers during the support and recovered all the affected data. See DR #C116009 for more information.
- On day 303 (Oct 30), during the DSS-34 support, turbo decoder lock was lost briefly at 0954z and again at 1050z. This anomaly resulted in the loss of six frames of SSR data. The MOPs team repositioned the SSR pointers during the track and recovered all the affected data.
- On day 303 (Oct 30), during the DSS-25 support, turbo decoder lock was lost intermittently between 2232z and 2311z, due to an elevation drive problem. This anomaly resulted in the loss of 1708 frames of SSR data. The MOPs team repositioned the SSR pointers during the track and recovered all the affected data. See DR #G122343 for more information.

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

- As of day 304 (Oct 31), 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 6.8 Gbits during this week.