

STEREO MOC Status Report

Time Period: 2022:094 (Apr 4) - 2022:100 (Apr 10)

STEREO Ahead (STA) Status:

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

- On day 098 (Apr 8), during the DSS-53 support, turbo decoder lock was lost briefly at 1759z. This anomaly resulted in the loss of 39 frames of SSR data. The MOPs team repositioned the SSR pointers during the track and recovered all the affected data.
- On day 100 (Apr 10), during the DSS-63 support, the antenna was unable to lock telemetry when transitioning to 2-Way mode at 1630z, due to very large elevation tracking errors. This anomaly resulted in the loss of 30 minutes of real-time telemetry, command, tracking, and SSR data. The MOPs team repositioned the SSR pointers during the track and recovered all the affected data. See DR #M114473 for more information.

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

- As of day 100 (Apr 10), 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 6.3 Gbits during this week.