

STEREO MOC Status Report

Time Period: 2022:171 (Jun 20) - 2022:177 (Jun 26)

STEREO Ahead (STA) Status:

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

- On day 172 (Jun 21), during the DSS-26 support, turbo decoder lock was lost briefly at 0511z. This anomaly resulted in the loss of 72 frames of SSR data. The MOPs team repositioned the SSR pointers on the subsequent DSS-14 track and recovered all the affected data. See DR #G122849 for more information.
- On day 174 (Jun 23), during the DSS-26 support, the antenna was declared red, due to a bearing issue. This anomaly resulted in the loss of three hours of command, tracking and real-time data. The MOPs team was able to remove all associated SSR playback time-tags prior to the lost support, and all affected data was recovered on the subsequent DSS-55 support. See DR #G122854 for more information.

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

- As of day 177 (Jun 26), 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 6.4 Gbits during this week.