

STEREO MOC Status Report

Time Period: 2024:085 (Mar 25) - 2024:091 (Mar 31)

STEREO Ahead (STA) Status:

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

- On day 089 (Mar 29), before the DSS-56 support, the antenna was declared red due to a hardware problem. The DSS-56 tracks were transferred to ESA stations for days 089-092. See DR #M116870 for more information.
- On day 089 (Mar 29), during the DSS-83 (ESA Cebreros) support, the beginning of track was delayed six minutes until 0421z, due to a late SLE Telemetry Bind between JPL and ESA. This anomaly resulted in the loss of six minutes of real-time telemetry, tracking, and SSR data. The MOPs team repositioned the SSR pointers during the track and recovered all the affected data. See DR #N113049 for more information.
- On day 089 (Mar 29), during the DSS-84 (ESA Malargue) support, the beginning of track was delayed 21 minutes until 0906z, due to a SLE Telemetry Bind issue with ESA. This anomaly resulted in the loss of 21 minutes of real-time telemetry, tracking, and SSR data. The MOPs team repositioned the SSR pointers during the track and recovered all the affected data.
- On day 091 (Mar 31), during the DSS-84 (ESA Malargue) support, the VC6 SLE Telemetry Bind was disconnected between JPL and ESA from 0743z to 0813z, due to a network issue. This anomaly resulted in the loss of 30 minutes of SSR data. The MOPs team performed a post-track SLE offline telemetry playback 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 091 (Mar 31), 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 6.5 Gbits during this week.