

STEREO MOC Status Report

Time Period: 2022:332 (Nov 28) - 2022:338 (Dec 4)

STEREO Ahead (STA) Status:

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

- On day 337 (Dec 3), during the DSS-25 support, the antenna was unable to perform the track, due to the Private Cloud Appliance (PCA) having a multiple hard drive failure. This anomaly resulted in the loss of three hours of real-time telemetry, command, tracking and SSR data. The MOPs team repositioned the SSR pointers on the subsequent DSS-35 track and recovered all the affected data. See DR #G123234 for more information.

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

- As of day 338 (Dec 4), 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 6.2 Gbits during this week.