

STEREO MOC Status Report

Time Period: 2021:347 (Dec 13) - 2021:353 (Dec 19)

STEREO Ahead (STA) Status:

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

- On day 350 (Dec 16), the PLASTIC POC tested their command interface and sent commands successfully to the MOC. All instrument POCs (IMPACT, PLASTIC, SECCHI, & SWAVES) have tested successfully with the MOC's new server cho (STEREO Data Server and Instrument command interface).
- On day 350 (Dec 16), during the DSS-63 support, monitor data went stale at 1758z through EOT, when all active receivers went uninitialized at the Madrid complex. This anomaly had no operational impact. See DR# M114104 for more information.
- On day 352 (Dec 18), during the DSS-35 support, turbo decoder lock was lost intermittently between 0804z and 0814z, due to bad weather. This anomaly resulted in the loss of 42536 frames of SSR data. The MOPs team repositioned the SSR pointers during the subsequent DSS-63 support and recovered all the affected data. See DR #C116153 for more information.

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

- As of day 353 (Dec 19), 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 7.0 Gbits during this week.