

STEREO MOC Status Report

Time Period: 2021:277 (Oct 4) - 2021:283 (Oct 10)

STEREO Ahead (STA) Status:

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

- On day 283 (Oct 10), DSS-25 conducted a successful Project Interface Test. The purpose was to verify X-band Telemetry, Tracking and Command operations after the completion of the downlink software upgrade (DTT V14.3). The MOC successfully received monitor data, real-time telemetry, and sent four commands.

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

- On day 280 (Oct 7), the SECCHI team commanded an instrument reboot at 22:07:31z to attempt to fix a software error with the image counter, which was corrupting image filenames. The SECCHI team reconfigured the instrument to operational mode by 2216z, but the reboot did not correct the problem. This was the 66th reset of the SECCHI instrument on the Ahead observatory.
- On day 281 (Oct 8), the SECCHI team commanded a second instrument reboot with a watchdog reset at 17:58:45z. This reset corrected the software error with the image counter. The SECCHI team reconfigured the instrument to operational mode by 1834z. This was the 67th reset of the SECCHI instrument on the Ahead observatory.
- As of day 283 (Oct 10), 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 6.0 Gbits during this week.