

STEREO MOC Status Report
Time Period: 2021:158 - 2021:164

STEREO Ahead (STA) Status:

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

- None.

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

- On day 160, the 58th SECCHI stepped calibration was executed at 1650z for aphelion in the Ahead orbit. This was the 27th SECCHI stepped calibration roll conducted without gyro use.
- On day 161, the SECCHI team commanded an instrument reboot at 15:37:46z and reconfigured the instrument to operational mode by 1800z. This was the 65th reset of the SECCHI instrument on the Ahead observatory. The team performed the reboot to correct a few unexplained anomalies that have occurred since the last watchdog reset on May 19, 2021, at which time the camera electronics box (CEB) had problems starting properly. The team reported that the reboot has resolved the issue.
- On day 162, the SECCHI 180 degree roll was executed successfully at 1800z for the fourth Betelgeuse star observation (3rd campaign).
- As of day 164, 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 6.5 Gbits during this week.