

STEREO MOC Status Report

Time Period: 2022:136 (May 16) - 2022:142 (May 22)

STEREO Ahead (STA) Status:

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

- On day 142 (May 22), during the DSS-63 track, the station had difficulty maintaining telemetry lock from 1600z through 1618z, due to a receiver problem. This anomaly resulted in the loss of five minutes of SSR data. The MOPs team repositioned the SSR pointers on the subsequent DSS-35 support and recovered all the affected data, except for the loss of ~1.1 hours of SECCHI data for day 142-0927z through 1034z. See DR #M114604 for more information.

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

- On day 139 (May 19), the 62nd SECCHI stepped calibration was executed at 1015z for midpoint in the Ahead orbit. This was the 31st SECCHI stepped calibration roll conducted without gyro use.
- As of day 142 (May 22), 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 6.4 Gbits during this week.