

STEREO MOC Status Report

Time Period: 2022:129 (May 9) - 2022:135 (May 15)

STEREO Ahead (STA) Status:

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

- On day 129 (May 9), during the DSS-25 support, telemetry and command binds were dropped at 0152z as a result of JPL upgrading their server software. This anomaly resulted in the loss of 2.1 hours of real-time telemetry and command services. Three SECCHI SCMs were affected, but eventually transmitted on the following track. See DR #N112116 for more information. Also on during this track, turbo decoder lock was lost intermittently between 0214z and 0447z. This anomaly resulted in the loss of 512 frames of SSR data. The MOPs team repositioned the SSR pointers on the subsequent track and recovered all the affected data. See DR #G122744 for more information.
- On day 131 (May 11), during the DSS-53 support, turbo decoder lock was lost briefly at 1759z. This anomaly resulted in the loss of six frames of SSR data. The MOPs team repositioned the SSR pointers during the track and recovered all affected data.

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

- On day 131 (May 11), during the DSS-53 support, PLASTIC uploaded a new sweep table.
- On day 134 (May 14), the SECCHI instrument reset at 21:05:14z. The SECCHI team reconfigured the instrument to operational mode by 135-1400z. This was the 70th reset of the SECCHI instrument on the Ahead observatory.
- As of day 135 (May 15), 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 6.3 Gbits during this week.