

STEREO MOC Status Report

Time Period: 2021:186 (July 5) - 2021:192 (July 11)

STEREO Ahead (STA) Status:

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

- On day 190 (Jul 9), during the DSS-14 support, uplink activities were delayed 24 minutes from 0005z to 0029z, due to a transmitter problem. This anomaly resulted in the loss 0.4 hours of real-time commanding, 2-way tracking, and 849 frames SSR data during the transition to 2-way downlink mode. The MOPs team repositioned the SSR pointers during the subsequent DSS-36 track and recovered all the affected data. See DR #G122080 for more information.

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

- On day 190 (Jul 9), the SECCHI 180 degree roll was executed successfully at 1800z for the seventh Betelgeuse star observation (3rd campaign). This was the last roll in this series of Betelgeuse observations.
- As of day 192 (Jul 11), 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 7.1 Gbits during this week.