

STEREO MOC Status Report

Time Period: 2021:200 (July 19) - 2021:206 (July 25)

STEREO Ahead (STA) Status:

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

- On day 201 (Jul 20), during the DSS-14 track, the antenna brake was applied causing the loss of commanding, ranging, and turbo decoder lock (intermittently) from 0006z through 0027Z. This anomaly resulted in the loss of 35477 frames of SSR data. The MOPs team repositioned the SSR pointers on the subsequent DSS-54 support and recovered all the affected data, except for the loss of ~2.6 hours of SECCHI data for day 200-0750z thru 200-1025z. See DR #G122102 for more information.

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

- As of day 206 (Jul 25), 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 6.6 Gbits during this week.