

STEREO MOC Status Report  
Time Period: 2021:025 - 2021:031

STEREO Ahead (STA) Status:

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

- On day 026, during the DSS-34 support, turbo decoder lock was lost intermittently from 0934z to 1049z, due to an RRT processor problem. This anomaly resulted in the loss of 2397 frames of SSR data. See DR #C115438 for more information.
- On day 027, during the DSS-56 support, beginning of track (BOT) was delayed until 1807z, due to a microwave interlock problem. This anomaly resulted in the loss of 1.6 hours of real-time commanding, telemetry, ranging, and SSR data. The MOPs team repositioned the SSR pointers on the subsequent DSS-74 support. All affected DSS-56 data was recovered, except for the loss of ~4.9 hours of SECCHI data for day 026-2205z thru 027-0259z. See DR #M113196 for more information.
- On day 029, during the DSS-14 support, turbo decoder lock was lost briefly at 0328z. This anomaly resulted in the loss of one frame of SSR data.
- On day 031, during the DSS-63 support, turbo decoder lock was lost briefly at 1809z. This anomaly resulted in the loss of nine frames of SSR data.

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

- As of day 031, 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 5.8 Gbits during this week.