

STEREO MOC Status Report
Time Period: 2021:060 - 2021:066

STEREO Ahead (STA) Status:

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

- On day 060, during the DSS-14 support, turbo decoder lock was lost briefly at 0315z. This anomaly resulted in the loss of one frame of SSR data.
- On day 061, during the DSS-25 support, the transmitter was declared red, due to a hardware problem. This anomaly resulted in the loss of 4.3 hours of real-time commanding and 2-way tracking data. See DR #G121770 for more information.
- On day 064, during the DSS-63 support, the antenna was down for transmitter maintenance for the entire track. This outage resulted in the loss of three hours of real-time telemetry, commanding, ranging, and SSR data. The data loss covered ~23.7 hours of spacecraft housekeeping and science data for day 063-2011z thru 064-1948z. See DR #M113303 for more information.
- On day 065, during the DSS-63 support, the transmitter was declared red, due to a hardware problem. This anomaly resulted in the loss of 2.6 hours of real-time commanding and 2-way tracking data. See DR # M113305 for more information.

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

- As of day 066, 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 5.9 Gbits during this week.