

STEREO MOC Status Report
Time Period: 2021:039 - 2021:045

STEREO Ahead (STA) Status:

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

- On day 041, during the DSS-14 support, turbo decoder lock was lost briefly at 0117z. This anomaly resulted in the loss of one frame of SSR data.
- On day 043, during the DSS-43 support, the transmitter was declared red, due to a hardware problem. The estimated return to operation is day 047-0600z. This anomaly resulted in the loss of 4.6 hours of real-time commanding and 2-way tracking data. See DR #C115461 for more information.
- On day 045, during the DSS-43 support, the transmitter was declared red, due to a hardware problem. The estimated return to operation is day 047-0600z. This anomaly resulted in the loss of 2.7 hours of real-time commanding and 2-way tracking data. See DR #C115467 for more information.

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

- As of day 045, 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 6.2 Gbits during this week.