

STEREO MOC Status Report

Time Period: 2021:305 (Nov 1) - 2021:311 (Nov 7)

STEREO Ahead (STA) Status:

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

- On day 305 (Nov 1), during the DSS-34 support, turbo decoder lock was lost briefly at 0551z and again at 1017z. This anomaly resulted in the loss of seven frames of SSR data. The MOPs team repositioned the SSR pointers during the track and recovered all the affected data.
- On day 306 (Nov 2), during the DSS-63 support, turbo decoder lock was lost briefly at 1817z. This anomaly resulted in the loss of six frames of SSR data. The MOPs team repositioned the SSR pointers during the track and recovered all the affected data.
- On day 308 (Nov 4), during the DSS-43 support, turbo decoder lock was lost briefly at 0828z. This anomaly resulted in the loss of one frame of SSR data. The MOPs team repositioned the SSR pointers during the subsequent DSS-63 track and recovered all the affected data.
- On day 310 (Nov 6), during the DSS-43 support, turbo decoder lock was lost intermittently between 1039z and 1042z, due to rain. This anomaly resulted in the loss of 12450 frames of SSR data. The MOPs team repositioned the SSR pointers during the subsequent DSS-63 track and recovered all the affected data. See DR #C116037 for more information.
- On day 310 (Nov 6), during the DSS-63 support, turbo decoder lock was lost briefly at 1943z. This anomaly resulted in the loss of 97 frames of SSR data. The MOPs team repositioned the SSR pointers during the subsequent DSS-43 track and recovered all the affected data. See DR #M113979 for more information.

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

- As of day 311 (Nov 7), 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 6.5 Gbits during this week.