

STEREO MOC Status Report

Time Period: 2021:333 (Nov 29) - 2021:339 (Dec 5)

STEREO Ahead (STA) Status:

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

- On day 335 (Dec 1), during the DSS-34 support, turbo decoder lock was lost intermittently between 0945z and 1209z. This anomaly resulted in the loss of 38 frames of SSR data. The MOPs team repositioned the SSR pointers during the track and recovered all the affected data.
- On day 337 (Dec 3), during the DSS-55 support, the transmitter was declared red due to a hardware problem. This anomaly resulted in the loss of 5.1 hours of real-time commanding and 2-way tracking data. Also, turbo decoder lock was lost briefly at 1809z, which resulted in the loss of 85 frames of SSR data. See DR# M114050 for more information.

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

- As of day 339 (Dec 5), 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 6.4 Gbits during this week.