

STEREO MOC Status Report
Time Period: 2021:130 - 2021:136

STEREO Ahead (STA) Status:

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

- On day 131, during the DSS-34 support, turbo decoder lock was lost intermittently from 0517z to 0543z. This anomaly resulted in the loss of nine frames of SSR data.
- On day 132, DSS-24 successfully conducted a Return-To-Service (RTS) engineering demo track. The purpose was to verify X-band Telemetry, Tracking and Command operations after the completion of Depot Level Maintenance. The MOC successfully received real-time telemetry and sent four commands.

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

- As of day 136, 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 6.7 Gbits during this week.