

STEREO MOC Status Report
Time Period: 2020:328 - 2020:334

STEREO Ahead (STA) Status:

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

- On day 329, during the DSS-35 support, turbo decoder lock was lost briefly at 0538z. This anomaly resulted in the loss of three frames of SSR data.
- On day 330, during the DSS-14 support, the uplink activities were ten minutes late at 0115z due to a sub-reflector problem. This anomaly resulted in the loss of 0.2 hours of real-time commanding and 2-way tracking data, and 10767 frames of SSR data. MOPs repositioned the SSR pointers during the track and recovered all the affected data. See DR #G121518 for more information.
- On day 333, DSS-54 successfully conducted a Return-To-Service (RTS) engineering demo track. The purpose was to validate X-band tracking performance after the completion of the 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 334, 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 6.1 Gbits during this week.