

STEREO MOC Status Report
Time Period: 2020:153 - 2020:159

STEREO Ahead (STA) Status:

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

- On day 156, during the DSS-14 support, turbo decoder lock was lost briefly at 0132z. Also during this support, the antenna was stowed at 0137z to allow for inspection after an earthquake. This anomaly resulted in the loss of two minutes of real-time telemetry and nine frames of SSR data. See DR #G121142 for more information.
- On day 157, during the DSS-14 support, commanding was delayed 11 minutes due to a transmitter problem from 0000z to 0015z. The late uplink sweep caused telemetry to drop out from 0036z to 0038z, during the 2-way downlink mode acquisition. This anomaly resulted in the loss of two minutes of real-time telemetry and SSR data (3383 frames). See DR #G121148 for more information.

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

- As of day 159, 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 6.9 Gbits during this week.