

STEREO MOC Status Report
Time Period: 2020:174 - 2020:180

STEREO Ahead (STA) Status:

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

- On day 174, during the DSS-63 support, turbo decoder lock was lost briefly at 2014z. This anomaly resulted in the loss of 29 frames of SSR data.
- On day 175, during the DSS-63 support, turbo decoder lock was lost intermittently from 1917z through 1919z. This anomaly resulted in the loss of 26 frames of SSR data.
- On day 176, during the DSS-63 support, turbo decoder lock was lost intermittently from 2000z through 2001z. This anomaly resulted in the loss of 40 frames of SSR data.

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

- On day 176, the SECCHI 180 degree roll was executed successfully at 0200z for the first Betelgeuse star observation.
- As of day 180, 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 6.6 Gbits during this week.