

STEREO MOC Status Report  
Time Period: 2020:111 - 2020:117

STEREO Ahead (STA) Status:

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

- On day 111, during the DSS-63 support, the transmitter was declared red due to a power outage caused by weather. This anomaly resulted in the loss of 1.8 hours of real-time commanding and 2-way tracking data. MOPs moved the commanding activities to the subsequent DSS-25 support. See DR #M112239 for more information.
- On day 112, during the DSS-63 support, initial acquisition of telemetry was 3.75 minutes late at 1923z, due to a ranging calibration failure. This anomaly resulted in the loss of 1.75 minutes of SSR data. See DR #M112244 for more information.
- On day 113, during the DSS-63 support, turbo decoder lock was lost intermittently from 2025z through 2028z. This anomaly resulted in the loss of 27 frames of SSR data.
- On day 117, during the DSS-63 support, turbo decoder lock was lost intermittently from 2045z through 2048z. This anomaly resulted in the loss of 75 frames of SSR data.

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

- On day 113, the 53<sup>rd</sup> SECCHI stepped calibration was executed at 1350z for aphelion in the Ahead orbit. This was the 22<sup>nd</sup> SECCHI stepped calibration roll conducted without gyro use.
- As of day 117, 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 7.2 Gbits during this week.