

STEREO MOC Status Report  
Time Period: 2019:119 - 2019:125

STEREO Ahead (STA) Status:

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

- On day 125, during the DSS-14 support, turbo decoder lock was lost briefly at 0000z. This anomaly resulted in the loss of 71 frames of real-time telemetry and SSR data.

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

- On day 119, the 48<sup>th</sup> SECCHI stepped calibration was executed at 1955z for aphelion in the Ahead orbit. This was the 17<sup>th</sup> SECCHI stepped calibration roll to be conducted without gyro use.
- On day 122, the 8<sup>th</sup> battery conditioning event was successfully conducted at 1820z on the Ahead spacecraft to redistribute the electrolytes within the nickel hydrogen battery cells. The test results were very consistent with the previous test in 2018.
- On day 124, the Ahead spacecraft reached aphelion in its orbit.
- The average daily science data return for Ahead was 6.3 Gbits during this week.