

STEREO MOC Status Report  
Time Period: 2020:013 - 2020:019

STEREO Ahead (STA) Status:

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

- On day 016, during the DSS-34 support, command and telemetry binds were lost at BOT, 0805z, due to scheduled JPL network maintenance. Telemetry binds were re-established after a data control reset was performed at 1009z. This anomaly resulted in the loss of 2.1 hours of real-time telemetry and commanding. All SSR data was recovered. See DR# N111323 for more information.

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

- On days 013, 015, and 017, the PLASTIC team continued to step the Post Acceleration (PAC) power supply high voltage. All PLASTIC systems are behaving well, except there is a high background count rate, which the PLASTIC team is continuing to monitor.
- On day 014, the 51<sup>st</sup> SECCHI stepped calibration was executed at 1300z for midpoint in the Ahead orbit. This was the 20<sup>th</sup> SECCHI stepped calibration roll conducted without gyro use.
- On day 016, the 125<sup>th</sup> momentum dump was executed successfully at 1930z, which imparted an estimated delta V of 0.127 m/sec. This was the 44<sup>th</sup> momentum dump conducted without gyro use. After thruster operations completed, there was a 0.55 degree of roll angle error. Fine pointing stabilized 2.7 minutes after completion of the momentum dump.
- The average daily science data return for Ahead was 6.9 Gbits during this week.