

STEREO MOC Status Report
Time Period: 2020:202 - 2020:208

STEREO Ahead (STA) Status:

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

- On day 206, during the DSS-14 support, the transmitter was declared red due to a power supply problem. This anomaly resulted in the loss of 1.7 hours of real-time commanding and 2-way tracking data. See DR #G121245 for more information.
- On day 207, during the DSS-63 support, turbo decoder lock was lost intermittently from 1305z through 1307z. This anomaly resulted in the loss of 5297 frames of SSR data. On the subsequent DSS-14 support, MOPs repositioned the SSR pointers and recovered all the affected DSS-63 data. See DR #M112448 for more information.
- On day 208, during the DSS-63 support, the transmitter was declared red due to a wave-guide cooling problem. This anomaly resulted in the loss of 1.8 hours of real-time commanding and 2-way tracking data. See DR #M112453 for more information.

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

- On day 202, the SECCHI 180 degree roll was executed successfully at 1200z for the third Betelgeuse star observation.
- On day 204, the SECCHI instrument reset at 23:51:44z. The SECCHI team reconfigured the instrument to operational mode by 205-0041z. This was the 63rd reset of the SECCHI instrument on the Ahead observatory.
- On day 205, the ninth battery discharge event was conducted successfully at 2049z on the Ahead spacecraft to redistribute the electrolytes within the nickel hydrogen battery cells.
- As of day 208, 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 6.7 Gbits during this week.