

STEREO MOC Status Report  
Time Period: 2020:034 - 2020:040

STEREO Ahead (STA) Status:

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

- On day 037, during the DSS-14 support, turbo decoder lock was lost briefly at 0310z. This anomaly resulted in the loss of 17 frames of SSR data.

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

- On day 034, while the PLASTIC team was commanding to investigate a PAC voltage decrease from day 033, an error flag occurred in the IMPACT DPU. The error flag required clearing to reconfigure the instrument; therefore, a power cycle of the instrument was executed at 1602z on day 035. The PLASTIC team has started configuring the instrument and all systems are nominal at this time.
- On days 036 and 038, the PLASTIC team continued to step the Post Acceleration (PAC) power supply high voltage. The team loaded time-tagged commands to run entrance system tests on days 039 and 040. All PLASTIC systems are behaving well at this time.
- The average daily science data return for Ahead was 7.0 Gbits during this week.