

STEREO MOC Status Report
Time Period: 2020:027 - 2020:033

STEREO Ahead (STA) Status:

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

- On day 027, the DSS-63 support was cancelled as the antenna was declared red due to failed antenna servo drives. With an ETRO of day 030-1530z and consecutive DSS-63 supports, three ESA supports were added for days 027 and 028. SSR pointers were repositioned and all SSR data was recovered. For more information, see DR #M112019.
- On day 028, during the DSS-74 ESA support with New Norcia, the uplink was not enabled due to a miss-communication error. This anomaly resulted in the loss of 3 hours of command and two-way tracking data. All SSR data was recovered.
- On day 028, the DSS-63 support was cancelled as the antenna was declared red due to failed antenna servo drives. For more information, see DR #M112023.
- On day 032, during the DSS-34 support, turbo decoder lock was lost intermittently from 0638z through 1005z. 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 days 028, 029, and 031, 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.
- The average daily science data return for Ahead was 6.7 Gbits during this week.