

STEREO MOC Status Report  
Time Period: 2021:067 - 2021:073

STEREO Ahead (STA) Status:

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

- On day 067, during the DSS-74 (ESA New Norcia) support, ranging failed. This anomaly resulted in the loss of 2.75 hours of ranging data at the station. However, since FDF does not use ranging data from ESA, there was no operational impact. ESA is investigating the issue.
- On day 073, during the DSS-14 support, the transmitter was declared red, due to a subreflector problem. This anomaly resulted in the loss of 1.7 hours of real-time commanding and 2-way tracking data. Also during this support, turbo decoder lock was lost intermittently between 2130z and 2136z. This anomaly resulted in the loss of 302 frames of SSR data. See DRs #G121829, #G121831, and #G121832 for more information.

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

- As of day 073, 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 5.7 Gbits during this week.