

STEREO MOC Status Report

Time Period: 2021:263 (Sept 20) - 2021:269 (Sept 26)

STEREO Ahead (STA) Status:

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

- On day 265 (Sept 22), during the DSS-43 support, the transmitter was declared red due to a failed cooling system heater. This anomaly resulted in the loss of 4.3 hours of real-time commanding and 2-way tracking data. Additionally, MOPs voluntarily canceled the last hour of the track for transmitter maintenance, which resulted in the loss of one hour of SSR and tracking data. The MOPs team repositioned the SSR pointers during the subsequent DSS-63 track and recovered all the affected data. See DR #C115954 for more information.

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

- On day 263 (Sept 20), the 59th SECCHI stepped calibration was executed at 1015z for perihelion in the Ahead orbit. This was the 28th SECCHI stepped calibration roll conducted without gyro use.
- As of day 269 (Sept 26), 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 6.4 Gbits during this week.