

STEREO MOC Status Report  
Time Period: 2020:314 - 2020:320

STEREO Ahead (STA) Status:

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

- On day 315, during the DSS-63 support, the transmitter was declared red due to a power supply problem. This anomaly resulted in the loss of 2.7 hours of real-time commanding and 2-way tracking data. In addition, turbo decoder lock was lost briefly at 1526z, which resulted in the loss of two frame of SSR data. See DR #M112812 for more information.
- On day 316, during the DSS-63 support, the transmitter was declared red due to a power supply problem. This anomaly resulted in the loss of 2.1 hours of real-time commanding and 2-way tracking data. See DR #M112815 for more information.
- On day 316, during the DSS-14 support, turbo decoder lock was lost briefly at 317-0039z. This anomaly resulted in the loss of one frame of SSR data.
- On day 317, during the DSS-63 support, the uplink activities were 40 minutes late at 1715z due to transmitter communication errors. This anomaly resulted in the loss of 0.7 hours of real-time commanding and 2-way tracking data, and 6752 frames of SSR data. MOPs repositioned the SSR pointers during the track and recovered all the affected data. See DR #M112816 for more information.

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

- As of day 320, 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 5.5 Gbits during this week.