

STEREO MOC Status Report
Time Period: 2020:125 - 2020:131

STEREO Ahead (STA) Status:

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

- On day 125, during the DSS-34 support, turbo decoder lock was lost briefly at 0753z and 0853z. This anomaly resulted in the loss of six frames of SSR data.
- On day 127, during the DSS-63 support, turbo decoder lock was lost briefly at 1945z. This anomaly resulted in the loss of ten frames of SSR data.
- On day 128, during the DSS-14 support, SLE telemetry binds disconnected at 0129z through EOT, due to a JPL network router reboot. This anomaly resulted in the loss of two hours of MOC real-time telemetry monitoring. The issue was resolved and the SLE TLM binds were re-established prior to the next support. See DR #N111370 for more information.
- On day 129, during the DSS-63 support, turbo decoder lock was lost briefly at 1711z. This anomaly resulted in the loss of ten frames of SSR data.
- On day 130, during the DSS-14 support, the antenna was declared red, due to an antenna logic controller failure. This anomaly resulted in the loss of four hours of real-time telemetry, commanding and tracking data. On the subsequent DSS-36 support, MOPs repositioned the SSR pointers and all affected DSS-14 SSR data was recovered. See DR #G121087 for more information.

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

- As of day 131, 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 7.6 Gbits during this week.