

STEREO MOC Status Report
Time Period: 2020:258 - 2020:264

STEREO Ahead (STA) Status:

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

- On day 258, the MOC conducted L3VPN SLE Portal Bind testing with JPL from 1430z to 1800z. The L3VPN SLE telemetry binds did not work correctly with the nominal MOC configuration file, which includes all four DSN operational SLE TLM servers. After configuration changes on the MOC and DSN networks, successful telemetry Binds were completed with SLE telemetry Server 2 (sleqp2) only. The SLE telemetry bind problems are under investigation and the MOC will schedule more testing.
- On day 259, during the DSS-14 support, turbo decoder lock was lost briefly at 2059z. This anomaly resulted in the loss of 8000 frames of SSR data. MOPs repositioned the SSR pointers and recovered all the affected data. See DR #G121364 for more information.

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

- On day 261, the 131th momentum dump was executed successfully at 2145z, which imparted an estimated delta V of 0.069 m/sec. This was the 50th momentum dump conducted without gyro use. After thruster operations completed, there was a 0.4 degree of roll angle error. Fine pointing stabilized 2.8 minutes after completion of the momentum dump.
- As of day 264, 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 6.9 Gbits during this week.