

STEREO MOC Status Report

Time Period: 2024:127 (May 6) - 2024:133 (May 12)

STEREO Ahead (STA) Status:

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

- On day 128 (May 7), during the DSS-65 support, the beginning of track was delayed by 3.4 hours until 0653z, the antenna was Red following a network maintenance event, due to a LAN switch problem (Cisco 3524) preventing link connections at Madrid. This anomaly resulted in the loss of 3.1 hours of real-time telemetry, tracking, commanding, and SSR data. Due to the timing of the outage and track coverage, the SSR data could not be recovered, which resulted in the loss of 24.8 hours of science and housekeeping data for day 127-0605z thru 128-0655z. See DR #M116943 for more information.
- On day 129 (May 8), during the DSS-35 support, APL network engineers successfully transitioned the MOC IONET to the new DSN UNICAST Monitor Data pathway. The MOPs team successfully tested both primary and backup ports. The MOC IONET will remain on the UNICAST Monitor Data pathway going forward.

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

- As of day 133 (May 12), all PLASTIC systems are behaving well, except there is a moderate background count rate, which the team is continuing to monitor.
- The average daily science data return for Ahead was 5.6 Gbits during this week.