

STEREO MOC Status Report

Time Period: 2024:092 (Apr 1) - 2024:098 (Apr 7)

STEREO Ahead (STA) Status:

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

- On day 094 (Apr 3), during the DSS-65 support, the VC6 IDR file was not generated for 04:37:00z to 05:06:59z. This anomaly resulted in the loss of 30 minutes of SSR data. DSN Data Control performed a post-track playback of the missing data from the DCD to the SLE telemetry server. The MOPs team performed a SLE offline telemetry playback and recover all the affected data. DSN is currently investigating the File Delivery Service (FDS) anomaly. See DR #N113053 for more information.
- On day 095 (Apr 4), during the DSS-26 support, the VC6 IDR file was not generated for 14:47:00z to 15:16:59z. This anomaly resulted in the loss of 30 minutes of SSR data. DSN Data Control performed a post-track playback of the missing data from the DCD to the SLE telemetry server. The MOPs team performed a SLE offline telemetry playback and recover all the affected data. DSN is currently investigating the File Delivery Service (FDS) anomaly. See DR #N113058 for more information.
- On day 098 (Apr 7), during the DSS-56 support, two VC6 and one VC7 IDR files were not generated for 05:00:00z to 06:01:59z. This anomaly resulted in the loss of 62 minutes of SSR data. DSN Data Control performed a post-track playback of the missing data from the DCD to the SLE telemetry server. The MOPs team performed a SLE offline telemetry playback and recover all the affected data. DSN is currently investigating the File Delivery Service (FDS) anomaly. See DR #N113060 for more information.

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

- On day 098 (Apr 7), the first week of the SECCHI high downlink campaign (HDC) was completed. During the HDC, SECCHI will collecting high cadence COR-2 & HI-1 images for the Solar Eclipse occurring on Apr 8. Extra DSN track coverage has been planned for the HDC (Apr 1 - 15, 2024) to increase the daily science data return to 10-11 Gbits per day (normally 5-6 Gbits).
- As of day 098 (Apr 7), 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 9.0 Gbits during this week.