

STEREO Ahead (STA) Status:

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

- On day 028, during the DSS-25 track, a project interface test was conducted to test DTT software version 11.3 (downlink tracking and telemetry upgrades). All test objectives were completed successfully.
- On day 030, the processing and delivery of the daily MOC data products, including the Level Zero telemetry files, was delayed by approximately 19 hours due to the scheduled MOC data system security upgrade (Likewise deployment). A disk drive containing the 2014 data failed to mount properly. This disk drive was placed on-line and the day 030 data products were reprocessed.

2. The following spacecraft/instrument events occurred during this week:

- On day 030, the SSR science partitions filled as follows:

SWAVES (Part 13) reached 100% full at 2237z for 1.1 hours.

The primary cause was the accumulated shortage of track time throughout the week.
- On day 031, the SSR science partitions filled as follows:

SWAVES (Part 13) reached 100% full at 0000z for 8.6 hours.

The primary cause was the accumulated shortage of track time throughout the week.
- On day 023, the SSR science partitions filled as follows:

SWAVES (Part 13) reached 100% full at 0328z for 5.1 hours.

The primary cause was the accumulated shortage of track time throughout the week.
- The average daily SSR playback volume for Ahead was 3.1 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies/events occurred during this reporting period:
 - On day 027, during the DSS-34 track, two IDR files were not transmitted due to scheduled DCD catalogue maintenance (0545z through 0615z). These files were recovered on day 031 and have since been re-processed.
 - On day 028, during the DSS-63 support, turbo decoder lock was lost intermittently between 1502z and 1553z. This anomaly resulted in the loss of 350 frames of SSR data. See DR# N109365 for more information.
 - On day 030, the processing and delivery of the daily MOC data products, including the Level Zero telemetry files, was delayed by approximately 19 hours due to the scheduled MOC data system security upgrade (Likewise deployment). A disk drive containing the 2014 data failed to mount properly. This disk drive was placed on-line and the day 030 data products were reprocessed.
 - On day 032, during the DSS-55 support, turbo decoder lock was lost briefly at 0917z. This anomaly resulted in the loss of 327 frames of SSR data. See DR# M107726 for more information.
2. The following spacecraft/instrument events occurred during this week:
 - The full Reduced Gyro Operations (RGO) fault protection capability for the Behind observatory has been developed and is being built. Testing of the fault protection rules and load scripts will begin shortly thereafter. This will replace the temporary version that is currently on the BEHIND observatory by providing fault protection robustness, similar in concept to what is being used on the AHEAD observatory, with an enhancement to [reduce the likelihood of unintended autonomous momentum dump firings](#). RGO extends the life of the remaining IMU by keeping it off most of the time and turning it on only when high rate data is required, such as the periodic momentum dumps, instrument roll calibrations, and spacecraft safety.

- The average daily SSR playback volume for Behind was 3.2 Gbits during this week.