

STEREO MOC Status Report
Time Period: 2021:137 - 2021:143

STEREO Ahead (STA) Status:

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

- On day 138, during the DSS-43 support, initial acquisition of telemetry was 6.5 minutes late at 0706z, due to an automation software problem. This anomaly resulted in the loss of 4.5 minutes of SSR data. See DR #C115744 for more information.
- On day 141, during the DSS-63 support, the MOC configured for commanding via the L3VPN network. The MOC command workstations completed SLE command binds and sent commands successfully. The investigation by the network engineers determined that a modified test configuration on the primary L3VPN router between Goddard and APL caused the network failure on March 26. Goddard removed the test configuration on April 28. The MOC will remain on the L3VPN command network.

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

- On day 139, the SECCHI instrument reset at 08:38:24z. The SECCHI team reconfigured the instrument to operational mode by 2233z. This was the 64th reset of the SECCHI instrument on the Ahead observatory.
- On day 139, the SECCHI 180 degree roll was executed successfully at 1800z for the first Betelgeuse star observation (3rd campaign). However, SECCHI did not capture the images because of the instrument reset that occurred earlier.
- As of day 143, 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 6.3 Gbits during this week.