

STEREO MOC Status Report  
Time Period: 2019:182 - 2019:188

STEREO Ahead (STA) Status:

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

- On day 186, a DSS-25 Return-to-Service (RTS) Demonstration track was conducted to verify X-band tracking, telemetry and command operations after azimuth wheel replacement.
- On day 187, during the DSS-14 support, the antenna was stowed from 0319z to 0420z (EOT) due to a 7.1 magnitude earthquake. This anomaly resulted in the loss one hour of commanding, real-time telemetry, and SSR data. On the subsequent DSS-36 support, the SSR pointers were repositioned and all affected data from the DSS-14 was recovered. See DR #G120327 for more information.
- On day 188, during the DSS-14 support, the antenna was red for the entire duration (3.3 hours, 0100z to 0420z) due to a RF-IF downconverter anomaly. This anomaly resulted in the loss 3.3 hours of commanding, real-time telemetry, and 33.1 hours of SSR data. See DR #G120340 for more information.

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

- On day 183, the SECCHI instrument reset at 09:04:55z. The SECCHI team reconfigured the instrument to operational mode by 184-0825z. This was the 54<sup>th</sup> reset of the SECCHI instrument on the Ahead observatory.
- The average daily science data return for Ahead was 4.4 Gbits during this week.