

STEREO MOC Status Report
Time Period: 2011:157 - 2011:163

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:
 - On day 157, during the DSS 14 support, initial telemetry acquisition was delayed 18 minutes due to antenna pointing model. After entering an elevation offset and switching to consscanning, telemetry lock was established at 1143z. The SSR playback was stopped and SSR pointers were repositioned. All SSR data was recovered. See DR# G111673 for more information.
 - On day 157, the transmitter was declared red before the start of the DSS 45 support. At 2145z DSS 43 was added for an hour to provide an uplink for IMPACT LET real-time diagnostic commanding. Several minutes of instrument SSR data were lost when the uplink was terminated.
 - On day 158, during the DSS 65 support, real-time telemetry was lost intermittently beginning at 1021z through 1049z due to adverse weather conditions at Madrid. This resulted in the loss of several minutes of instrument SSR data. See DR# N107411 for more information.
 - On day 161, DSS 14 was declared red before BOT and the support was switched to DSS 26 for its entirety. Initial telemetry acquisition was delayed 34 minutes as the downlink rate was decreased from 720 kbps for the planned 70m use to 240 kbps for the 34m antenna. The SSR playback was stopped and SSR pointers were repositioned. All SSR data was recovered. See DR# G111699 for more information.
 - On day 163, during the DSS 54 support, turbo decoder lock was lost briefly at 0617z. This resulted in the loss of one frame of instrument SSR data. See DR# N107412 for more information.

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

- On day 159, the IMPACT LET instrument was rebooted at 1227z, after it stopped collecting data on day 155, and the 2007 threshold levels were loaded.
- The average daily SSR playback volume for Ahead was 5.7 Gbits during this week.

STEREO Behind (STB) Status:

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

- On day 157, during the DSS 63 support, telemetry lock was intermittent beginning at 1653z for 46 minutes due to rain in Madrid. A stable telemetry lock was established at 1739z. The SSR playback was stopped and SSR pointers were repositioned. All SSR data was recovered. See DR# M106355 for more information.
- On day 159, during the DSS 65 support, real-time telemetry was lost beginning at 1800z through 1833z due to a power outage at the Madrid complex which affected the network connectivity. This resulted in the loss of 160 frames of instrument SSR data. See DR# N107388 for more information.
- On day 161, during the DSS 63 support, turbo decoder lock was lost briefly beginning at 1940z and 2033z. This resulted in the loss of nine frames of instrument SSR data. See DR# N107406 for more information.
- On day 163, during the DSS 26 support, turbo decoder lock was lost briefly at 2251z. This resulted in the loss of four frames of instrument SSR data. See DR# N107407 for more information.

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

- On day 160, the IMPACT LET instrument was rebooted at 1918z, after it stopped collecting data on day 151, and the 2007 threshold levels were loaded.
- The average daily SSR playback volume for Behind was 5.9 Gbits during this week.