

STEREO MOC Status Report
Time Period: 2010:312 - 2010:318

STEREO Ahead (STA) Status:

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

- On day 313, during the DSS 65 support, turbo decoder lock was lost intermittently at 0410z through 0419z and again at 0434z through 0439z due to heavy rain at Madrid. This resulted in the loss of several minutes of instrument SSR data. See DR# M106037 for more information.
- On day 314, the DSN switched to using the Data Capture and Delivery (DCD) data flow path at the Madrid complex only. This replaced the existing RNS and CDR data flow path. The Goldstone and Canberra complexes will be done later this year.
- On day 317, the SECCHI SSR1 partition filled at 0500z during the DSS 63 support which was configured for a high downlink rate. The autonomy rule to free SSR space did not fire during the track as it only fires for low downlink rates supports. This resulted in the loss of 3.25 hours SECCHI instrument SSR data. A change request has been submitted to enable the autonomy rule for the all downlink rates.
- On day 318, during the DSS 54 support, turbo decoder lock was lost intermittently at 0747z through 0810z. This resulted in the loss of several minutes of instrument SSR data. See DR# N106746 for more information.

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

- On day 313, the 15th SECCHI stepped calibration, at aphelion, was executed.
- The average daily SSR playback volume for Ahead was 5.5 Gbits during this week.

STEREO Behind (STB) Status:

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

- On day 314, the DSN switched to using the Data Capture and Delivery (DCD) data flow path at the Madrid complex only. This replaced the existing RNS and CDR data flow path. The Goldstone and Canberra complexes will be done later this year.
- On day 314, during the DSS 65 support, turbo decoder lock was lost intermittently at 1837z. This resulted in the loss of two frames of instrument SSR data. See DR# N106735 for more information.
- On day 316, during the DSS 65 support, turbo decoder lock was lost intermittently at 1720z through 1732z. This resulted in the loss of 31 frames of instrument SSR data. See DR# M106042 for more information.
- On day 317, during the DSS 15 support, the PLASTIC partition filled at 1934z due to insufficient track time earlier in the week. The autonomy rule to free SSR space fired at 2046z. This resulted in the loss of 1.2 hours PLASTIC instrument SSR data.

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

- On day 314, new tables were loaded to the IMPACT SIT instrument.
- The average daily SSR playback volume for Behind was 4.5 Gbits during this week.