STEREO MOC Status Report
Time Period: 2013:189 – 2013:195

STEREO Ahead (STA) Status:

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

  • On day 190, during the DSS-15 support, turbo decoder lock
    was lost briefly at 2157z. This anomaly resulted in the
    loss of one frame of SSR data.

  • On day 193, during the DSS-65 support, turbo decoder lock
    was lost intermittently beginning at 0445z through 0636z.
    This anomaly resulted in the loss of 72 frames of SSR data.

  • On day 194, during the DSS-15 support, turbo decoder lock
    was lost briefly at 1555z. This anomaly resulted in the
    loss of one frame of SSR data.

  • On day 195, during the DSS-34 support, turbo decoder lock
    was lost briefly at 196-0011z and again at 196-0107z. This
    anomaly resulted in the loss of two frames of SSR data.

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

  • On day 189, IMPACT conducted real-time commanding at 1335z
    for HET to set thresholds and disable stimulus event
    generation.

  • On day 189, the MOPS permanent autonomy release 1.1.16 was
    loaded to C&DH RAM to modify rule 239, which moves SSR write
    limit pointers during SSR science playbacks to free recorder
    space. This modification removed the unnecessary check of
    "write limit not equal to read pointer", which was
    preventing SECCHI partition pointer moves during longer the
    720Kbps tracks.

  • On day 190, the 18th HGA Calibration was successfully
    executed at 1700Z.

  • The average daily SSR playback volume for Ahead was 3.8
    Gbits during this week.

STEREO Behind (STB) Status:

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

    * On day 189, during the DSS-63 support, the receiver and ranging processor unexpectedly went out of lock between 1625z-1626z. Also during this track, turbo decoder lock was lost intermittently beginning at 1512z through 1829z. These anomalies resulted in the loss of 1479 frames of SSR data. See DR #M107420 for more information.

    * On day 190, during the DSS-63 support, the receiver and ranging processor unexpectedly went out of lock between 1049z-1050z. Also during this track, turbo decoder lock was lost intermittently beginning at 1027z through 1328z. These anomalies resulted in the loss of 4146 frames of SSR data. See DR #M107422 for more information.

    * On day 193, during the DSS-65 support, turbo decoder lock was lost intermittently beginning at 1316z through 1922z. This anomaly resulted in the loss of 34 frames of SSR data.

    * On day 195, during the DSS-24 support, turbo decoder lock was lost briefly at 1745z. This anomaly resulted in the loss of one frame of SSR data

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

    * On day 189, the MOPS permanent autonomy release 1.1.16 was loaded to C&DH RAM to modify rule 239, which moves SSR write limit pointers during SSR science playbacks to free recorder space.   This modification removed the unnecessary check of "write limit not equal to read pointer", which was preventing SECCHI partition pointer moves during longer the 720Kbps tracks.

    * On day 191, the 18th HGA Calibration was successfully executed at 1600Z.

    * On day 192, the 53rd momentum dump was executed successfully at 1700Z, which imparted a delta V of 0.077 m/sec.

    * On The average daily SSR playback volume for Behind was 4.0 Gbits during this week.