STEREO MOC Status Report
Time Period: 2013:175 – 2013:181

STEREO Ahead (STA) Status:

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

  • On day 175, during the DSS–65 support, telemetry was
    received five minutes late at 0445z due to low signal power
    caused by a sub-reflector problem. Also during the track,
    turbo decoder lock was lost briefly at 0551z. These
    anomalies resulted in the loss of three minutes (1062
    frames) of SSR data. See DR #M107376 for more information.

  • On day 176, during the DSS–26 support, turbo decoder lock
    was lost briefly at 1237z. This anomaly resulted in the
    loss of one frame of SSR data.

  • On day 176, the OPS Chief called for permission to perform a
    DCD failover at 1955z because the FDS was not transmitting
    IDR files during the previous DSS–26 support. The IDR files
    for the track were FTP'd manually and level–0 data was
    reprocessed for day 175. All SSR data was recovered. See
    DR #N108979 for more information.

  • On day 177, the MOC external connectivity was offline for
    remote users between 2100z–2200z due to an APL firewall
    upgrade.

  • On day 181, during the DSS–63 support, the receiver and
    ranging processor unexpectedly went out of lock between
    1146z–1148z. Also during this track, turbo decoder lock was
    lost intermittently beginning at 0746z through 1234z. These
    anomalies resulted in the loss of 5598 frames of SSR data.
    See DRs #M107387 and #M107386 respectively for more
    information.

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

  • The average daily SSR playback volume for Ahead was 4.2
    Gbits during this week.

STEREO Behind (STB) Status:

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

    - On day 175, during the DSS-45 support, turbo decoder lock
      was lost intermittently beginning at 0326z through 0327z.
      This anomaly resulted in the loss of 23 frames of SSR data.
      See DR #N108969 for more information.

    - On day 176, during the DSS-54 support, the OPS Chief called
      for permission to perform a DCD failover at 1955z because
      the FDS was not transmitting IDR files. The IDR files for
      the track were FTP'd manually and level-0 data was
      reprocessed for day 175. All SSR data was recovered.   See
      DR #N108979 for more information.

    - On day 177, during the DSS-54 support, turbo decoder lock
      was lost briefly at 1051z and again at 1059z. This anomaly
      resulted in the loss of eight frames of SSR data.

    - On day 177, the MOC external connectivity was offline for
      remote users between 2100z-2200z due to an APL firewall
      upgrade.

    - On day 178, during the DSS-63 support, turbo decoder lock
      was lost briefly at 1332z and again at 1340z. This anomaly
      resulted in the loss of 27 frames of SSR data.

    - On day 180, during the DSS-63 support, the receiver and
      ranging processor unexpectedly went out of lock between
      1138z-1141z. Also during this track, turbo decoder lock was
      lost intermittently beginning at 1027z through 1405z. These
      anomalies resulted in the loss of 4453 frames of SSR data.
      See DRs #M107383 for more information.

    - On day 181, during the DSS-63 support, the receiver and
      ranging processor unexpectedly went out of lock between
      1406z-1408z, 1419z-1420z, 1616z-1617z, and 1656z-1657z.
      Also during this track, turbo decoder lock was lost
      intermittently beginning at 1403z through 1725z. These
      anomalies resulted in the loss of 12753 frames of SSR data.
      See DRs #M107389 for more information.

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

    - The average daily SSR playback volume for Behind was 4.8
      Gbits during this week.