STEREO MOC Status Report
Time Period: 2013:168 – 2013:174

STEREO Ahead (STA) Status:

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

    • On day 169, during the DSS-26 support, command bind was
      aborted at 1431z due to a one second transmitter glitch.
      This anomaly had no impact on operations since all command
      activity was completed.   See DR #G114014 for more
      information.

    • On day 170, during the DSS-65 support, telemetry and
      commanding was lost beginning at 0726z through 0809z due to
      a power outage at the Madrid complex. Also, SSR data was
      lost while re-establishing the uplink between 0847z and
      0848z. The power outage anomaly resulted in the loss of 45
      minutes of SSR data. Also during the track, turbo decoder
      lock was lost intermittently between 0441z and 0442z, and
      again at 0828z. The turbo decoder anomaly resulted in the
      loss of 72 frames of SSR data. See DRs #M107361, #N108956,
      and #N108957 for more information.

    • On day 172, during the DSS-26 support, telemetry was lost
      beginning at 1947z through 2002z due to losing receiver
      lock because a timing rack was accidentally powered
      off. This anomaly resulted in the loss of 15 minutes
      (23407 frames) of SSR data. See DR #G114021 for more
      information.

    • On day 173, during the DSS-63 support, turbo decoder lock
      was lost intermittently beginning at 0543z through 0604z.
      This anomaly resulted in the loss of eleven frames of SSR
      data. See DR #M107372 for more information.

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

   • The average daily SSR playback volume for Ahead was 3.5
     Gbits during this week.

STEREO Behind (STB) Status:

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

   • On day 168, during the DSS-14 support, telemetry was not
     available in the MOC between 2108z and 2121z due to a
     communications rack being powered off while correcting a
     cooling problem. All SSR data was recovered. See DR
     #G114011 for more information.

   • On day 169, during the DSS-25 support, telemetry was lost
     beginning at 2158z through 2206z due to multiple warning
     alarms for the telemetry processor, which was rebooted. The
     telemetry processor anomaly resulted in the loss of eight
     minutes of SSR data. Also during the track, turbo decoder
     lock was lost intermittently between 2048z and 2150z, and
     again between 2212z and 170-0145z.   The turbo decoder
     anomaly resulted in the loss of 1726 frames of SSR data.
     See DRs #G114015 and #N108966 for more information.

   • On day 170, during the DSS-63 support, the receiver and
     ranging processor unexpectedly went out of lock between
     1613z-1615z. Also during this track, turbo decoder lock was
     lost intermittently beginning at 1501z through 1756z. These
     anomalies resulted in the loss of 9662 frames of SSR data.
     See DRs #M107365 and #M107366 respectively for more
     information.

   • On day 172, during the DSS-63 support, turbo decoder lock
     was lost intermittently beginning at 1609z through 1834z.
     This anomaly resulted in the loss of 58 frames of SSR data.
     See DR #M107371 for more information.

   • On day 173, during the DSS-63 support, the receiver and
     ranging processor unexpectedly went out of lock between
     1313z-1315z and again between 1338z-1339z. Also during this
     track, turbo decoder lock was lost intermittently beginning
     at 1249z through 1337z. These anomalies resulted in the
     loss of 2313 frames of SSR data. See DRs #M107365 and
     #N108967 respectively for more information.

   • On day 174, during the DSS-54 support, turbo decoder lock
     was lost briefly at 1522z and again at 1835z. This anomaly
     resulted in the loss of two frames of SSR data. See DR
     #N108968 for more information.

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

*   On day 169, the 25th SECCHI stepped calibration was executed
    at 1700z for the perihelion in the orbit.

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