STEREO MOC Status Report
Time Period: 2009:229 - 2009:235

STEREO Ahead (STA) Status:

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

  • On day 235, the DSS 45 support was cancelled due to a S/C
    emergency on the LCROSS mission. SSR data loss was
    minimized since the succeeding track was two hours after
    the scheduled EOT.

2. Ahead spacecraft performance continues to be very good with
all subsystems performing nominally. The following
spacecraft/instrument events occurred during this week:

  • On day 229, began routine use of the 360 kbps downlink
    rate.
  • On day 232, the SECCHI instrument reset at 17:50:39z. The
    SECCHI team reconfigured the instrument to operational mode
    at 233-1220z. This was the 12th reset of SECCHI on the AHEAD
    spacecraft.
  • On day 233, SECCHI activated FSW IP version 5.14.00.
  • The average daily SSR playback volume for Ahead was 5.2
    Gbits during this week.

STEREO Behind (STB) Status:

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

  • On day 229, the DSS 15 transmitter was declared red at
    0930z. To minimize SSR data loss, two additional, but
    short, overlapping tracks were added to the planned DSS 15
    tracks on days 232 and 234. These were later released
    since the DSS 15 transmitter was green by the time the
    BEHIND S/C needed it on day 232. See DR# G109623 for more
    information.
  • On day 234, during the DSS 15 pre-calibration, the maximum
    transmitter output power was 16 kW vice the planned 20 kW.
    This was an acceptable transmit power for the BEHIND S/C to
    close the RF link. No ranging pre-calibration was
    performed. See DR# G109642 for more information.

2. Behind spacecraft performance continues to be very good with all subsystems performing nominally. The following spacecraft/instrument events occurred during this week:

- On day 230, during the DSS 24 support, the 60 hour soft command loss timer autonomy was disabled to prevent firing during an upcoming 50 hour station coverage gap due to DSS 15 transmitter being declared red.
- On day 235, during the DSS 25 support, the 60 hour soft command loss timer autonomy was re-enabled.
- The average daily SSR playback volume for Behind was 6.3 Gbits during this week.