

July 25 - August 7, 2003

<P>The Terra spacecraft is in nominal mode. All instruments are in Science Mode.</P>

<P>The third third in the planned series of three Inclination Adjust Maneuvers was successfully conducted on Wednesday, August 6. The first was on Tuesday, July 29, and the second occurred on Thursday, July 31. The three maneuvers will keep the descending node crossing time in the 10:30 a.m. (plus/minus 5 minutes) window.</P>

<P>On Wednesday July 30, 2003, after replaying the Solid State Recorder (SSR) buffer in which large numbers of uncorrectables were found, it was determined that there were two bad supersets of memory within the ASTER SSR buffer. There was no Health and Safety impact to the SSR or to the ASTER instrument, and there is no long-term effect on the science data. Data continued to be downlinked from the ASTER SSR buffer and stored for later processing with appropriate workarounds for the uncorrectable data caused by the two bad supersets.</P>

<P>After additional diagnostic activities on July 31, subsequent to completion of the scheduled Inclination Adjust Maneuver, the SSR superset select and move command was used to move the two bad supersets out of the ASTER SSR buffer. This enabled normal processing of ASTER data by EDOS to resume. There is, as a result of this operation, a 3.45 percent reduction in the total amount of ASTER data the SSR can record at the present time. A potential solution involving reallocation of buffer space or possible restoration of the two damaged supersets is under evaluation to remedy this problem.</P>

<P>A MODIS lunar calibration roll maneuver was conducted on Thursday July 17.</P>

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Plans

 Continue preliminary planning for potential 3rd Deep Space Calibration Maneuver in October/November time frame.

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