

August 29 - September 4, 2003

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

<P>On Thursday morning, September 4, 2003, a large number of uncorrectable data blocks was discovered in the downlink from the Solid State Recorder (SSR) ASTER buffer. Upon replay of these data, the same number of uncorrectables was observed. On subsequent TDRSS passes, once the area of SSR memory that contained the uncorrectable data was overwritten with new data, the downlink of data from the ASTER SSR buffer no longer showed uncorrectable data. This indicated that the uncorrectables observed on the ground resulted from corrupted data within the ASTER SSR buffer (potentially from a Single Event Upset) as opposed to actual damage to a Printed Wire Assembly (PWA) within SSR boards mapping to specific SSR memory supersets. Additional diagnostic activities are being undertaken by the Terra Flight Operations Team to better understand this event. This is the fourth occurrence of this problem since launch.</P>

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Plans

- Conduct a Drag Make-up Maneuver on Wednesday, September 10; and
- Continue preliminary planning for potential 3rd Deep Space Calibration Maneuver on December 6.

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