

September 15 - 21, 2000

Current configuration for the Terra spacecraft is nominal mode. All instruments are operating in Science Mode.

The Local Area Network (LAN) problem that occurred on Sept. 13 is still being researched. Efforts to re-create the problem have been unsuccessful. Operational procedures are in place to segment the LAN if the problem occurs again. Raytheon is working with the manufacturer of the LAN switches to see if there are known problems that are similar to what was experienced.

On day 262 (Sept. 18), there were two roll maneuvers for MODIS lunar calibration. The roll maneuvers went from 0° to -11.0848°; Forward Slew at 5:35 a.m., and from -11.0848° to 0°; Reverse Slew 05:45 a.m. The MODIS calibrations and Solid State Recorder Management were 100% successful.

Issues

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1. MISR Instrument Operations Team will be performing multiple load approvals to avoid missing commands in the Absolute Time Command Loads
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2. ASTER - SWIR pointing angle anomaly which occurred after DOY249 0338z has been corrected via One Day Schedule (ODS) corrections. The Flight Ops Team has a procedure (called "AST_SWIR_MOVMIR_PRC") which also could have corrected the problem

Science Data Losses (2)

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1. 262/10:17:43z - MODIS data loss due to operational error and shortened pass contact time.
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2. 262/19:13:19z - 15,142 CADUs MODIS data loss due to operational error and shortened pass contact time. (Note: a CADU is an 8K bit block of data--in comparison MODIS collects 200 million CADUs per day on average.)

Plans

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#149; Continue Safari Campaign (9/19 to 9/20)
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#149; Continue series of MISR - Field Campaigns (9/21 & 9/22)
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#149; Conduct MOPITT - MOVE Campaign (10/14 to 10/18, 10/22 to 10/26)