

April 27 - May 3, 2001

The Terra spacecraft is operating in Nominal Mode. All instruments are functioning well in Science Mode.

A UPS 6 failure on April 25 (DOY 115) at 1800z caused loss of prime configuration in the EOS Operations Center (EOC). The Terra Flight Operations Team (FOT) quickly reconfigured on the backup EOC. The Support Local Area Network was restarted, and at 1820z the Ops LAN was again operational. A Tracking and Data Relay Satellite System (TDRSS) pass at 1855z was nominal.

On April 25 (DOY 115) at 18:58:59z TMON Group 43 received Stale Data setting a NOT_VALID telemetry data flag for one sample. It appears that the ASTER instrument did not supply telemetry to the Remote Terminal during one gather cycle. Command Data Handling performance appears nominal. Analysis is ongoing.

One Primary Science Playback was required at AGS on April 27 (DOY 117) at 02:01z due to two consecutive contacts deleted for a Space Shuttle and International Space Station emergency. The Playback was not performed at AGS due to configuration problems with their Digital Matrix Switch. Additionally, the 6-minute Omni contact would not have not allowed Terra enough commanding time to properly set up the AGS contact and perform the Playback.

A Master Oscillator Frequency Adjust was performed on April 26 (DOY 116) at 20:35z. A MODIS Cross Talk Test was conducted on April 27 (DOY 117) from 12:05 - 17:20z

No MODIS Calibration Roll Maneuvers will be scheduled for May. ASTER One Day Schedules and Late Changes will commence on May 9, 2001, and continue for two months as required for field campaign activities.

The EOC held a successful Operations Readiness Review to move the EOS Real-time Processing System (ERPS) into full operations.

SCIENCE DATA LOSS

The TDRSS deletions for the STS/ISS emergencies caused two data losses for MODIS of approximately 500,000 CADUs. Also, two High Gain Antenna trips impacted MISR data collection during the week.

PLANS

Terra Mission Operations Team will support the MISR Field Campaign from May 2-4

There will be a Drag Make-Up Maneuver on May 8 at 20:20:30, with an estimated thruster burn duration of 18 seconds.

The new MISR Flight Software Load will be uploaded May 22.

