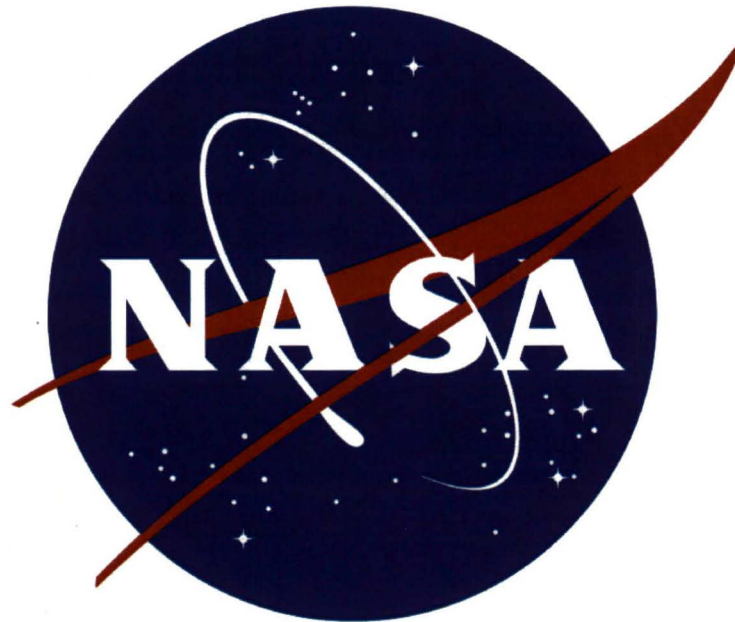


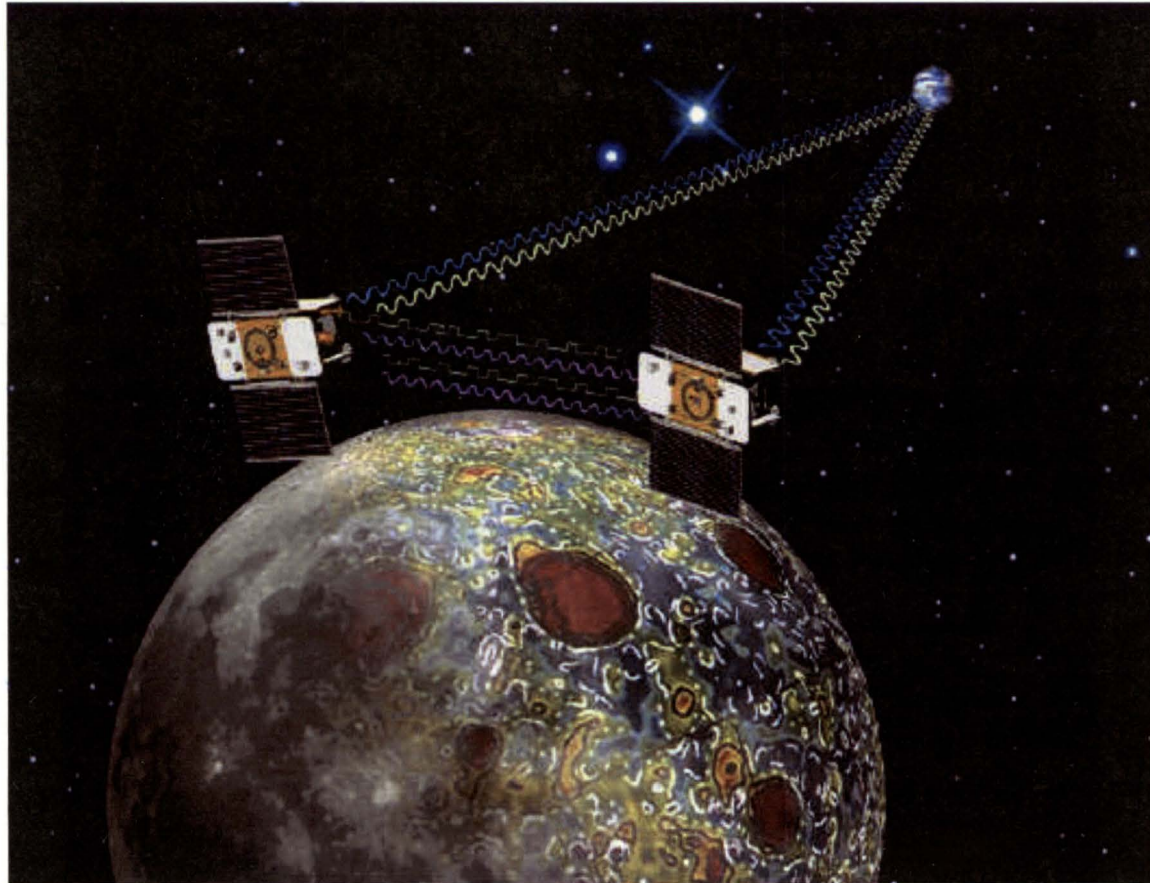
GRAIL Mission to the Moon



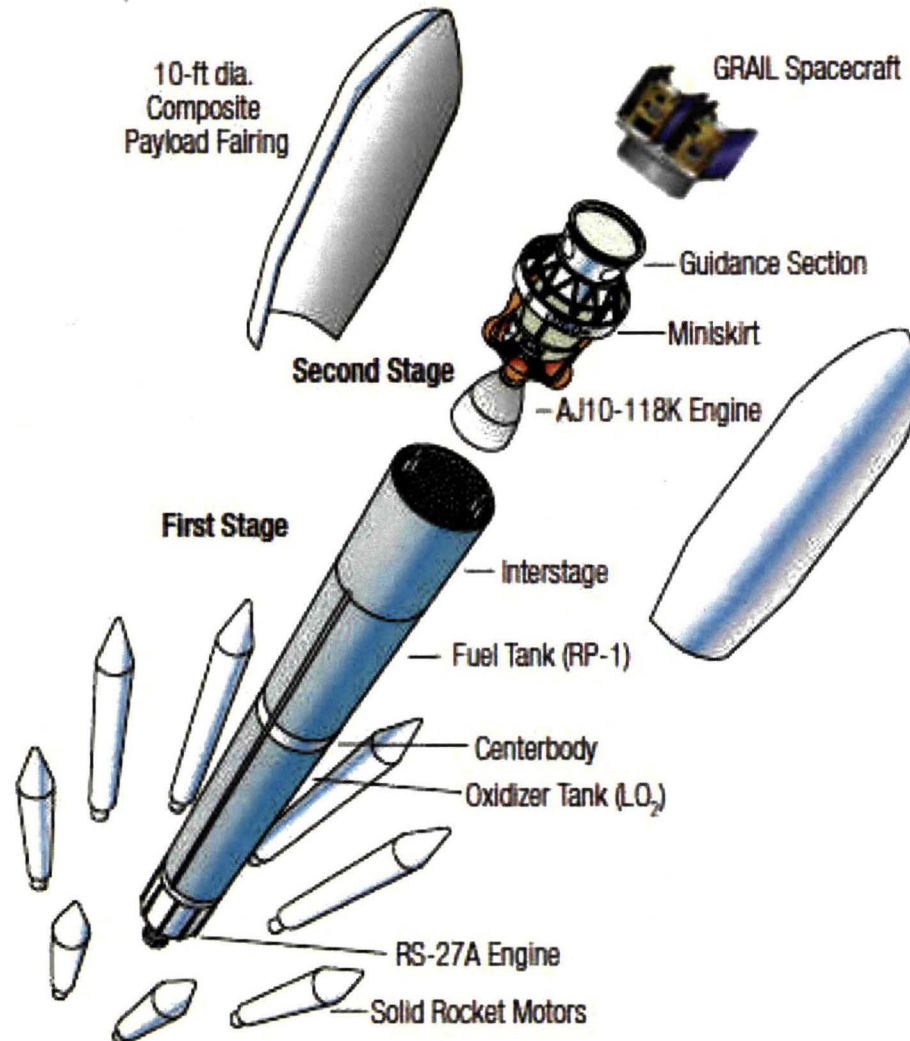
Luis G. Delgado
Expendable Launch Vehicles - Mechanical Branch
Engineering & Technology Directorate
Kennedy Space Center

September 2011

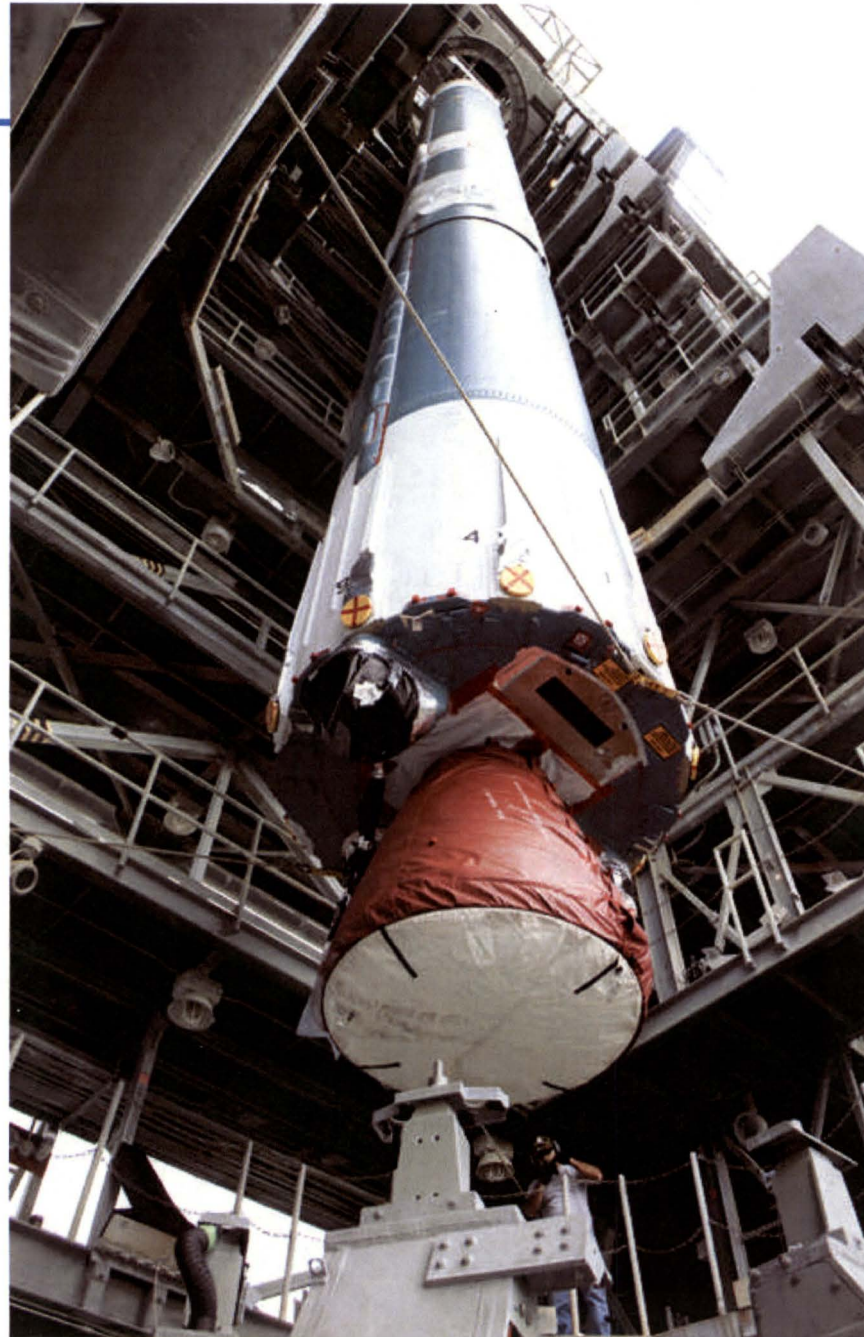
Gravity Recovery and Interior Laboratory (GRAIL) Launch



GRAIL Mission Delta II 7920H-10C











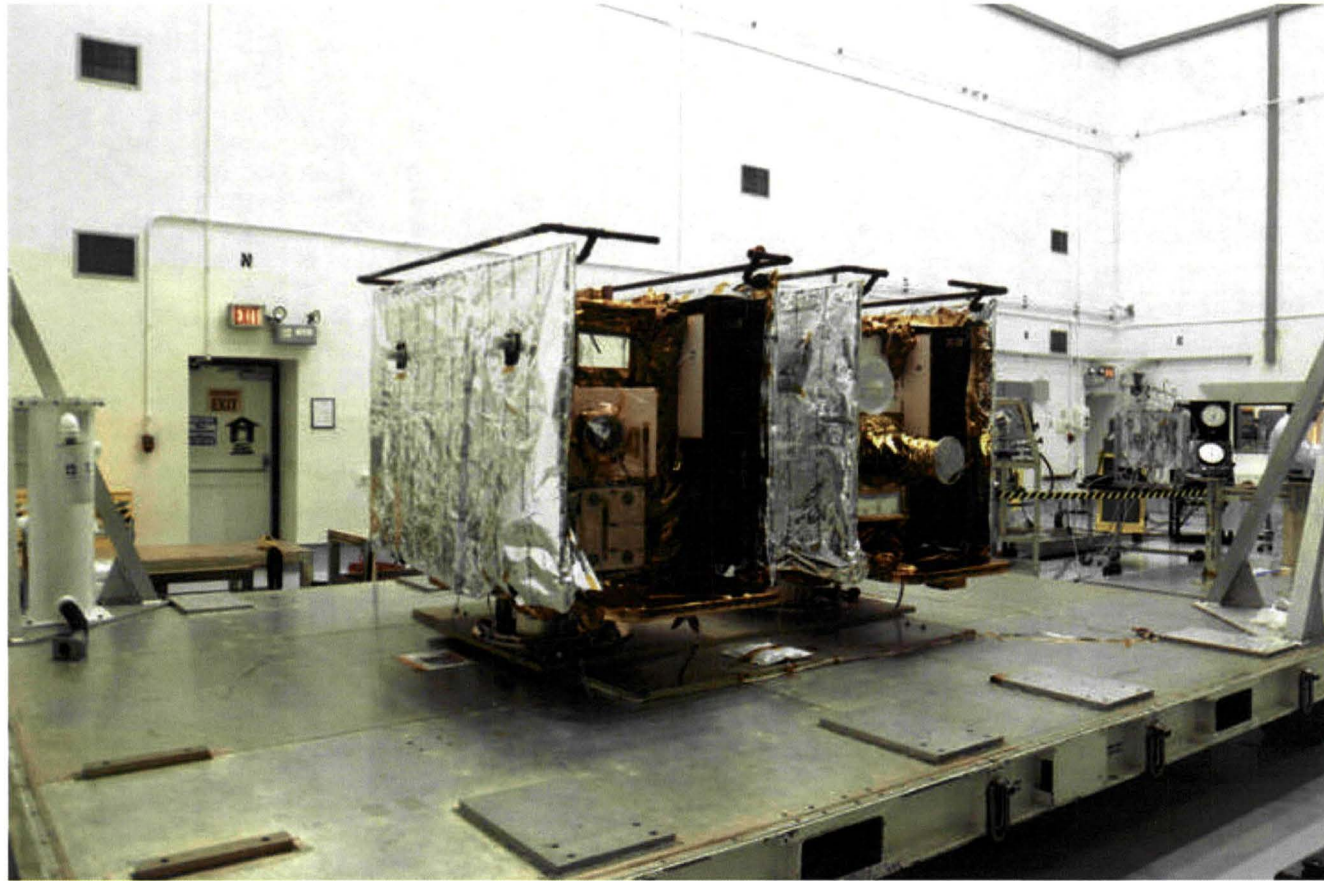


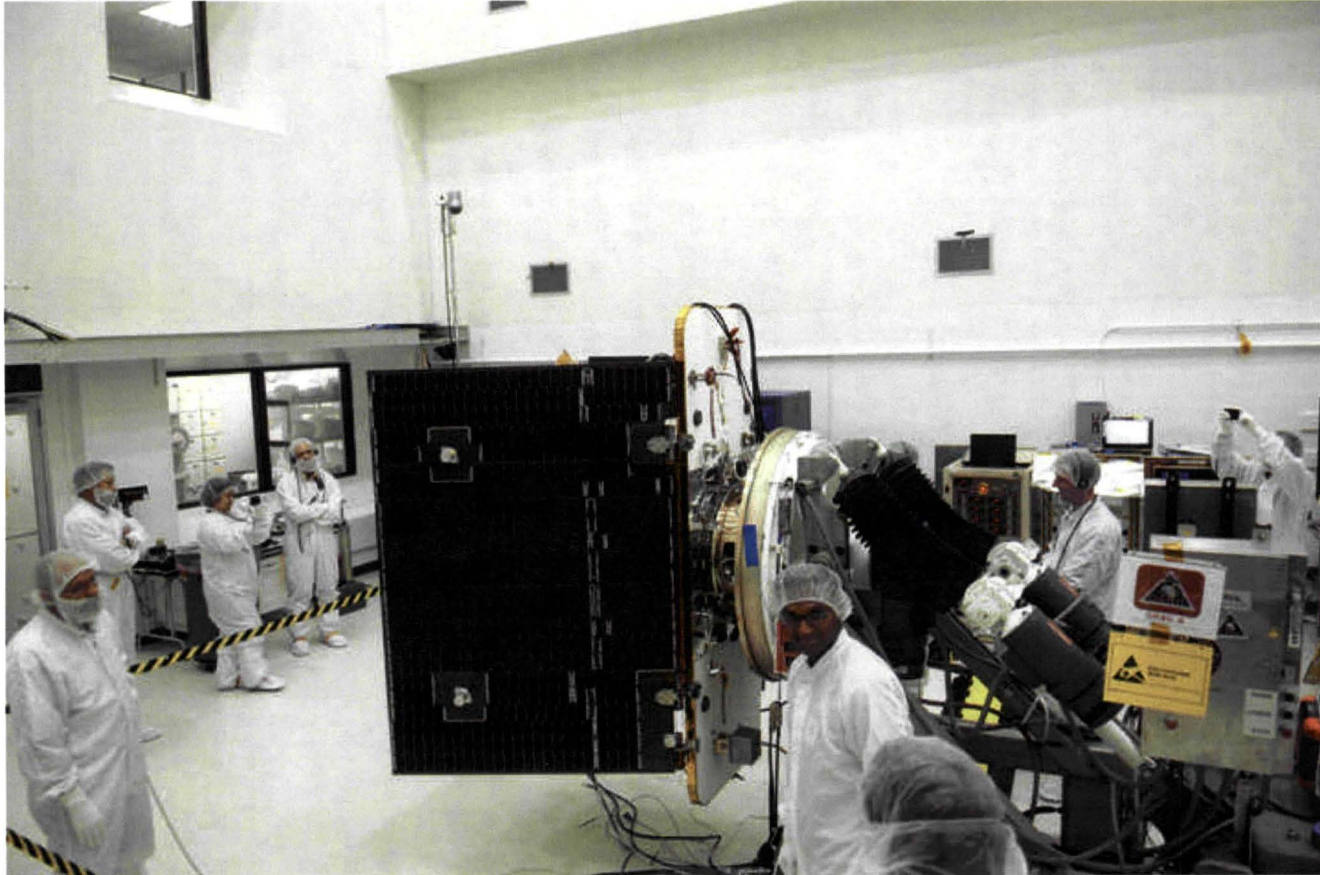


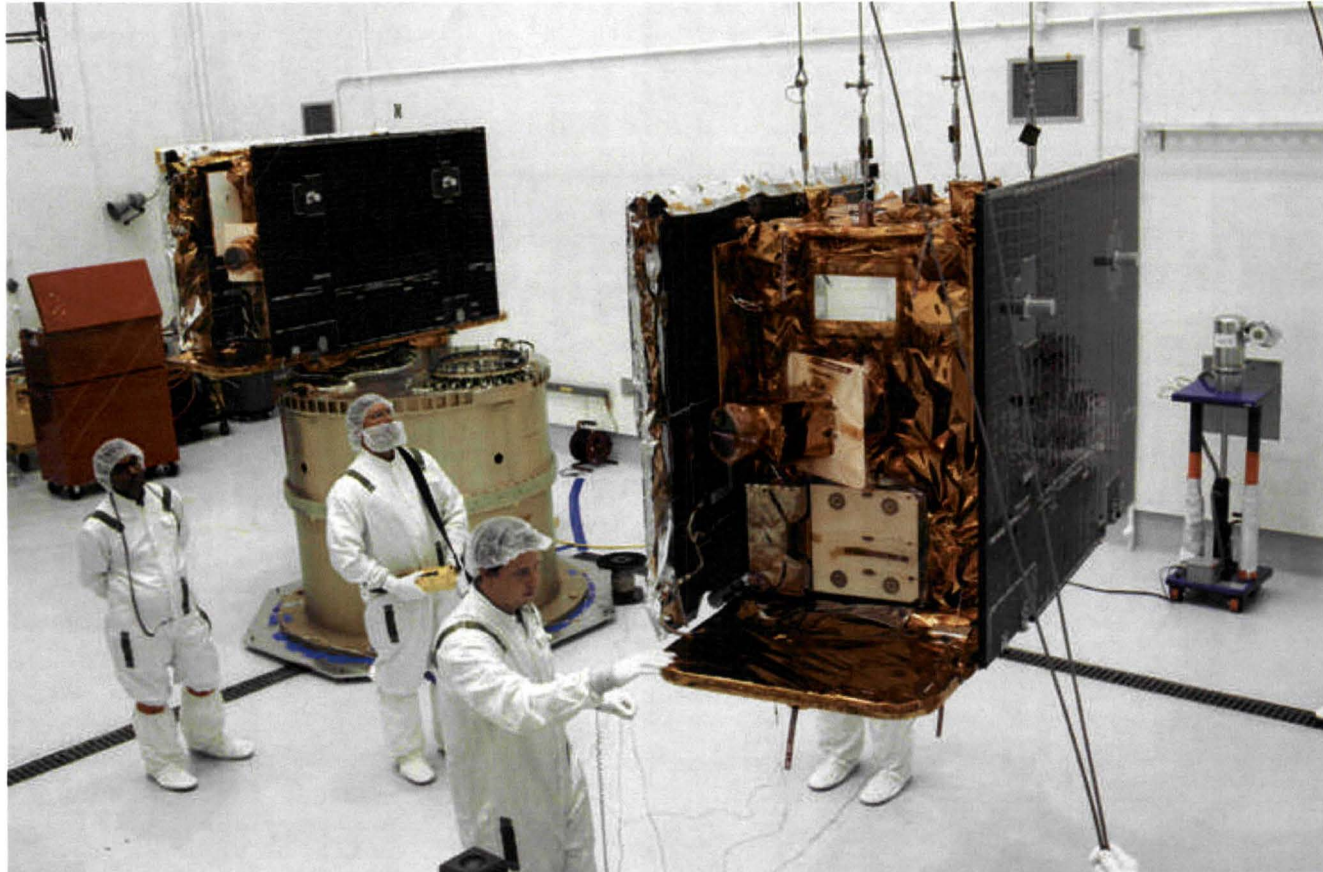


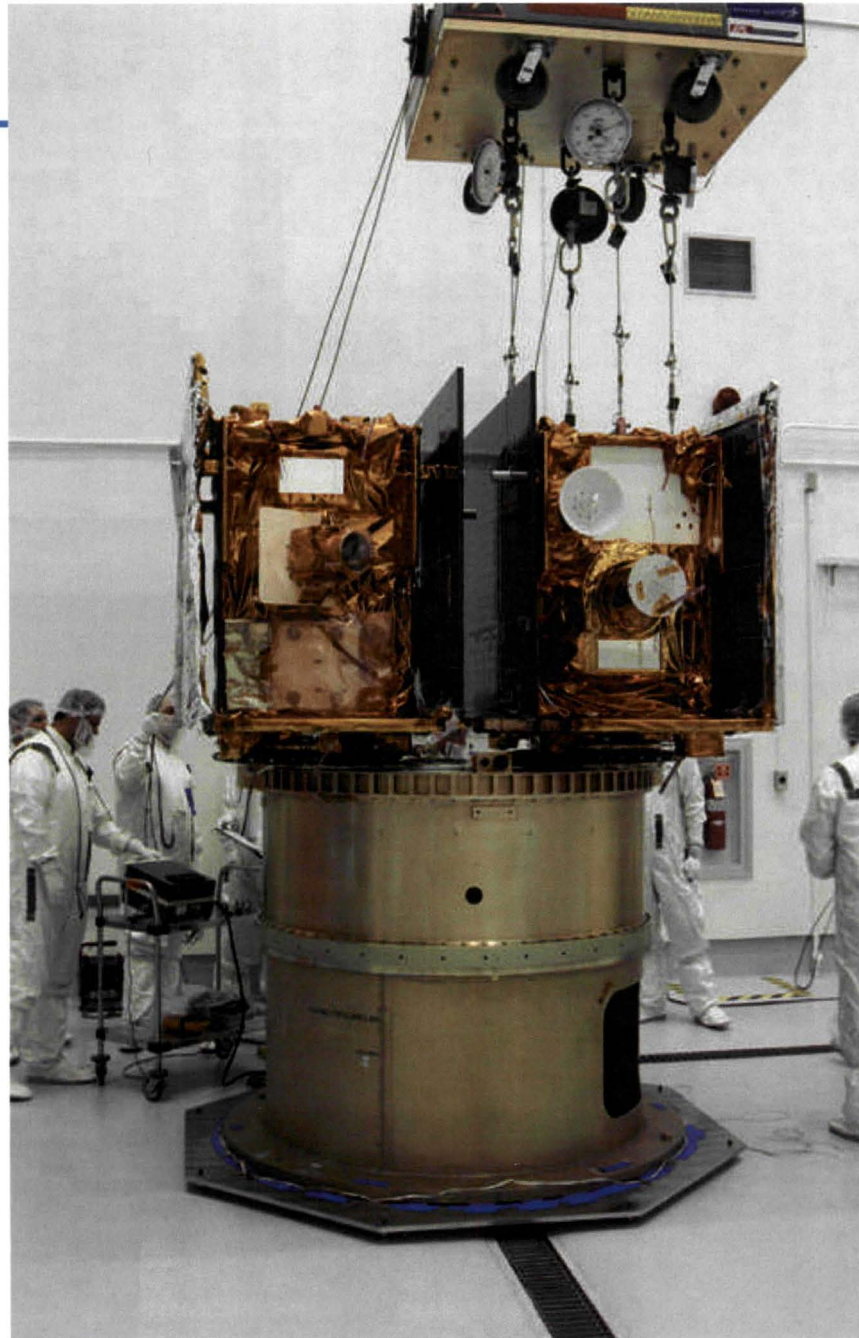








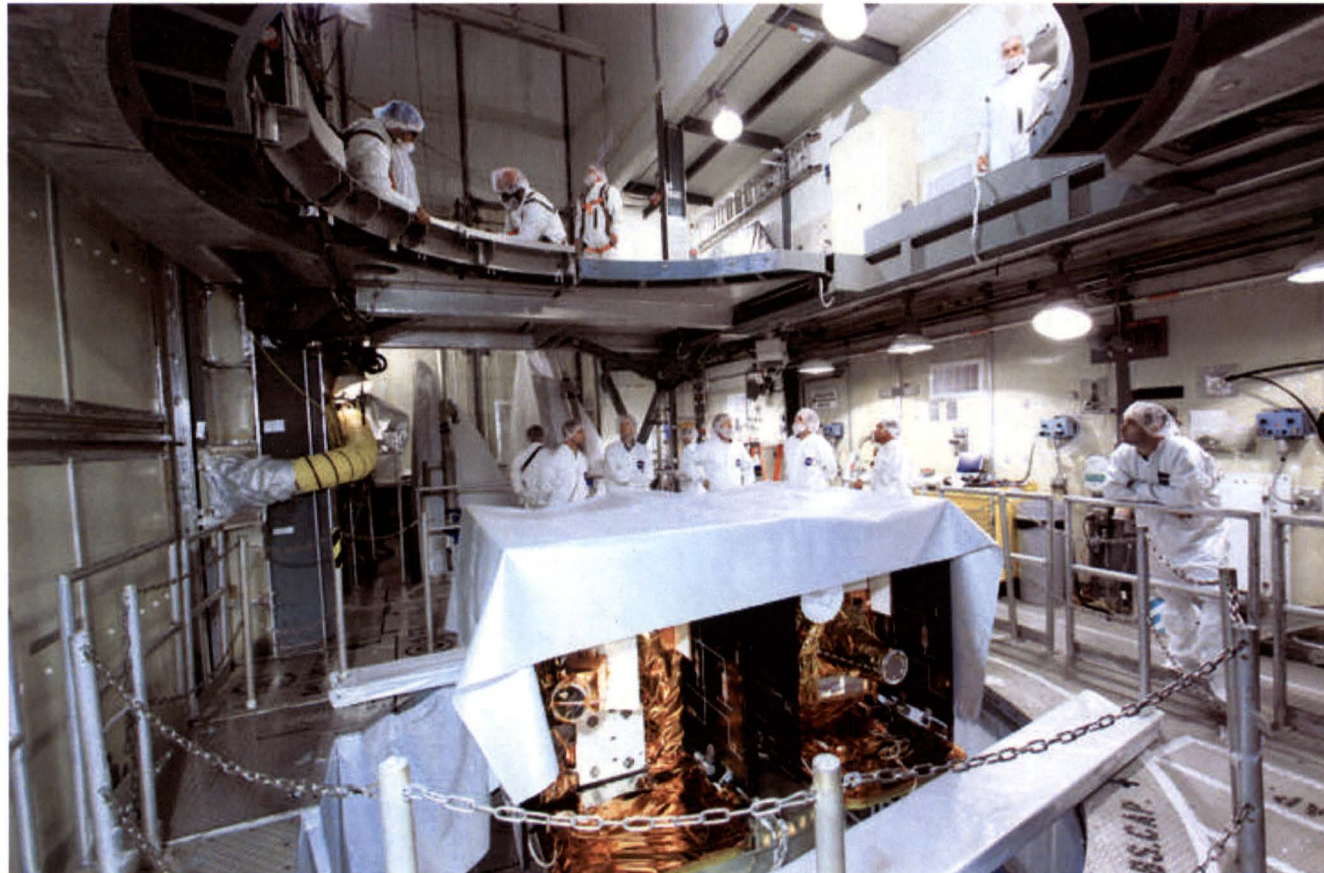


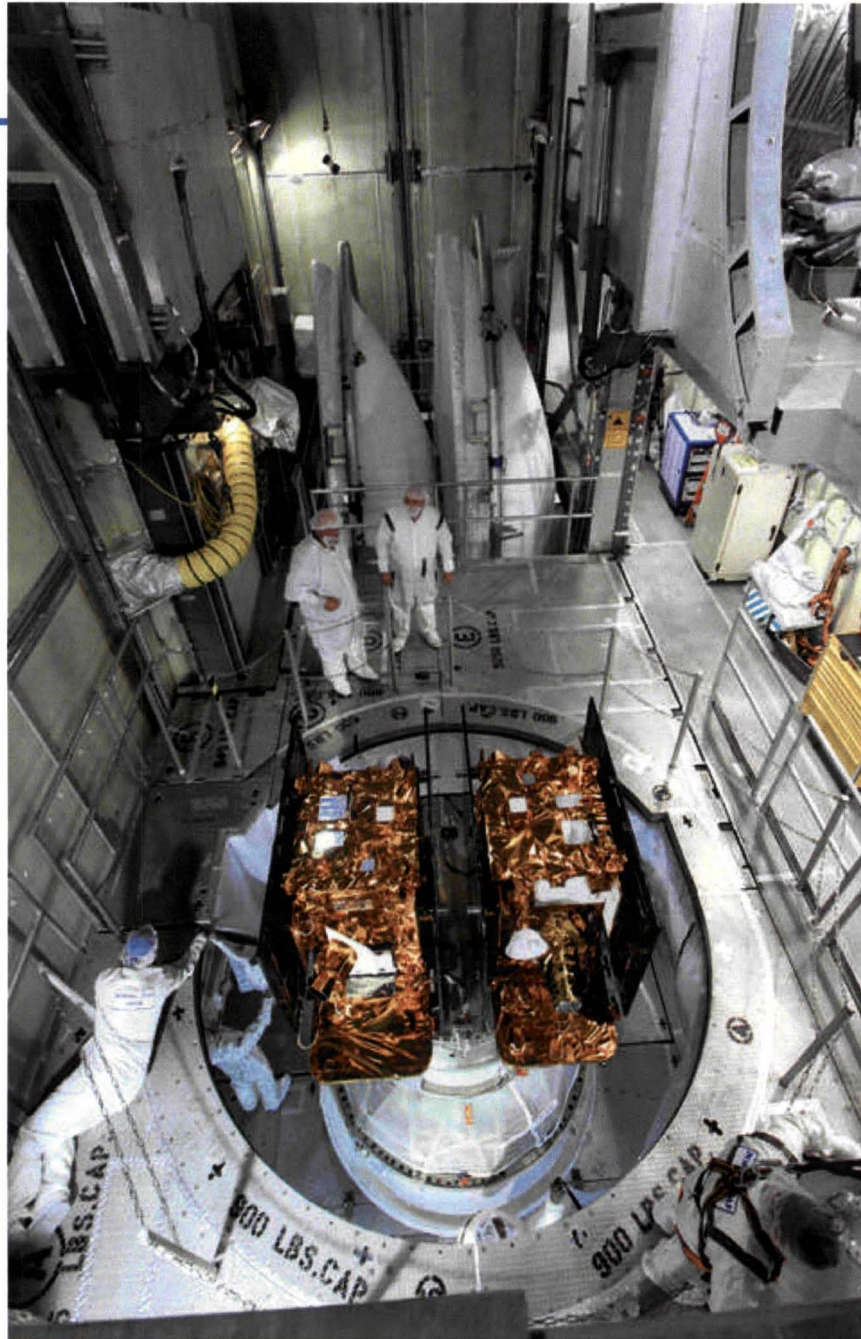


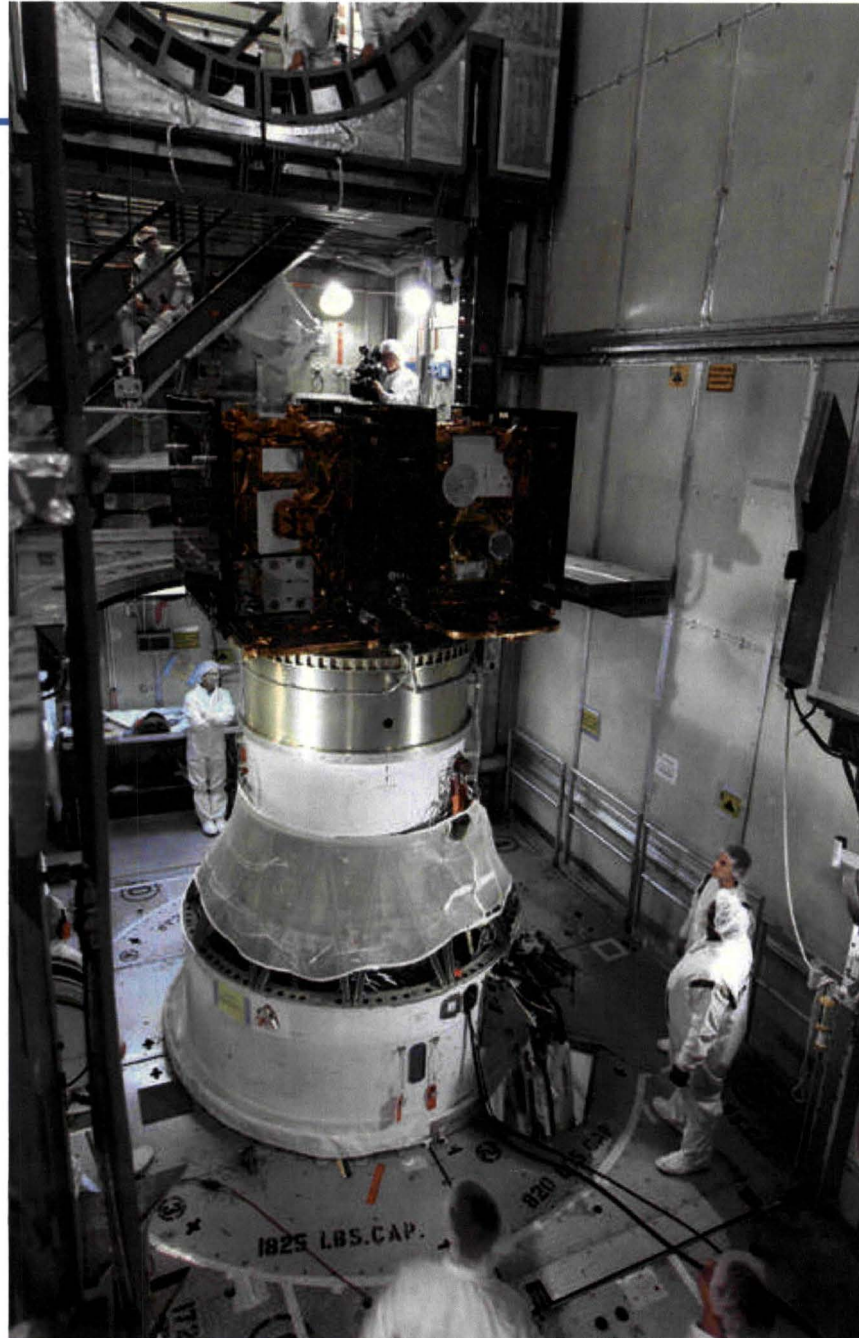




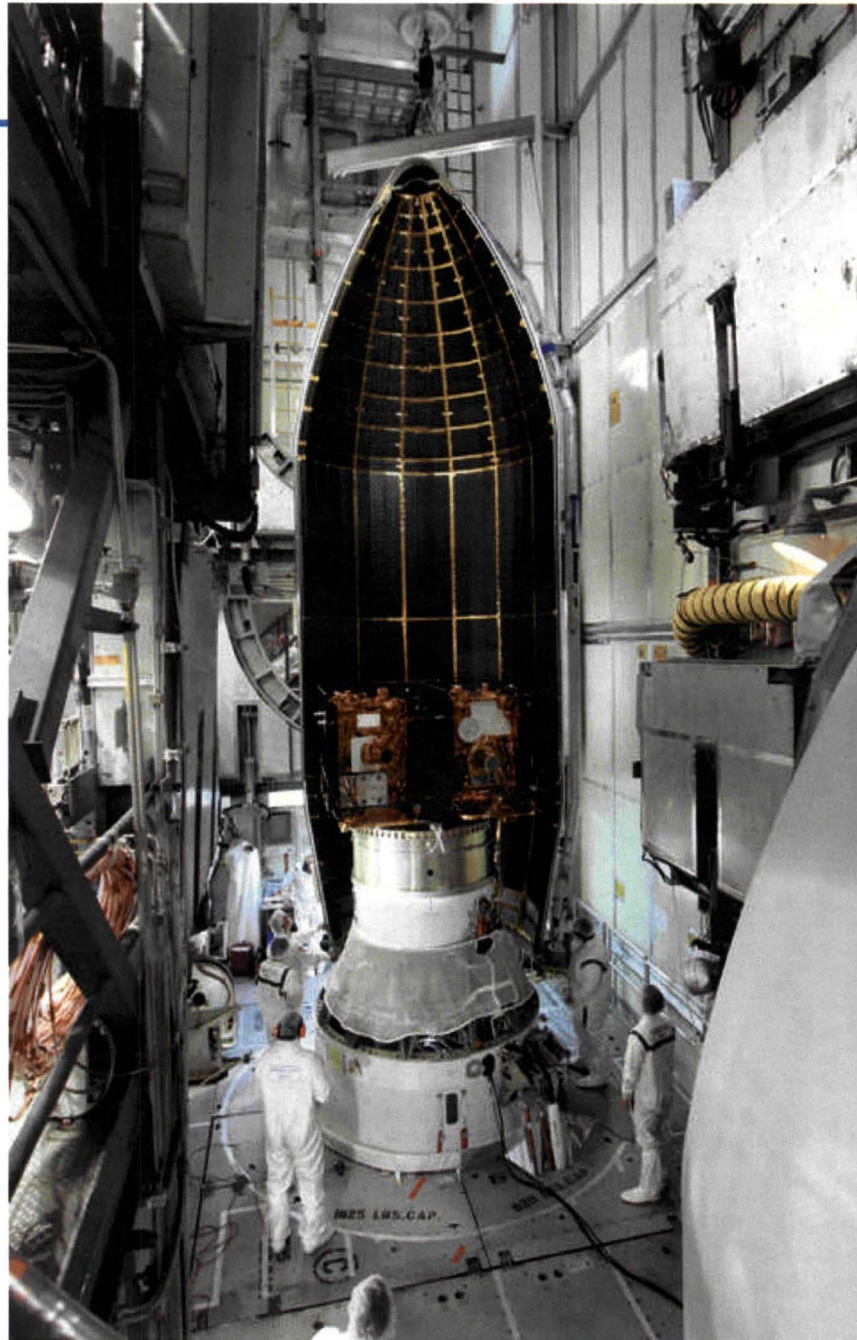


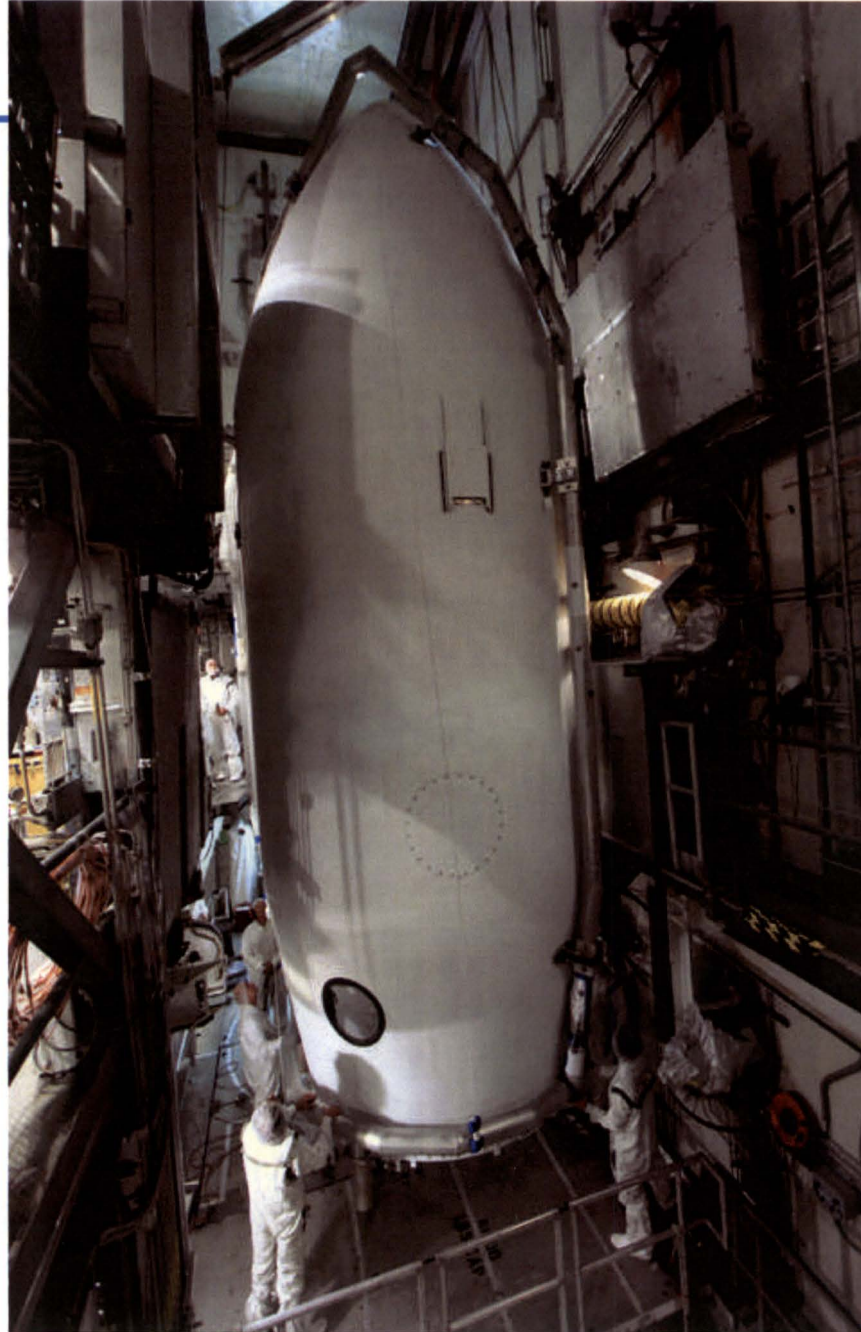




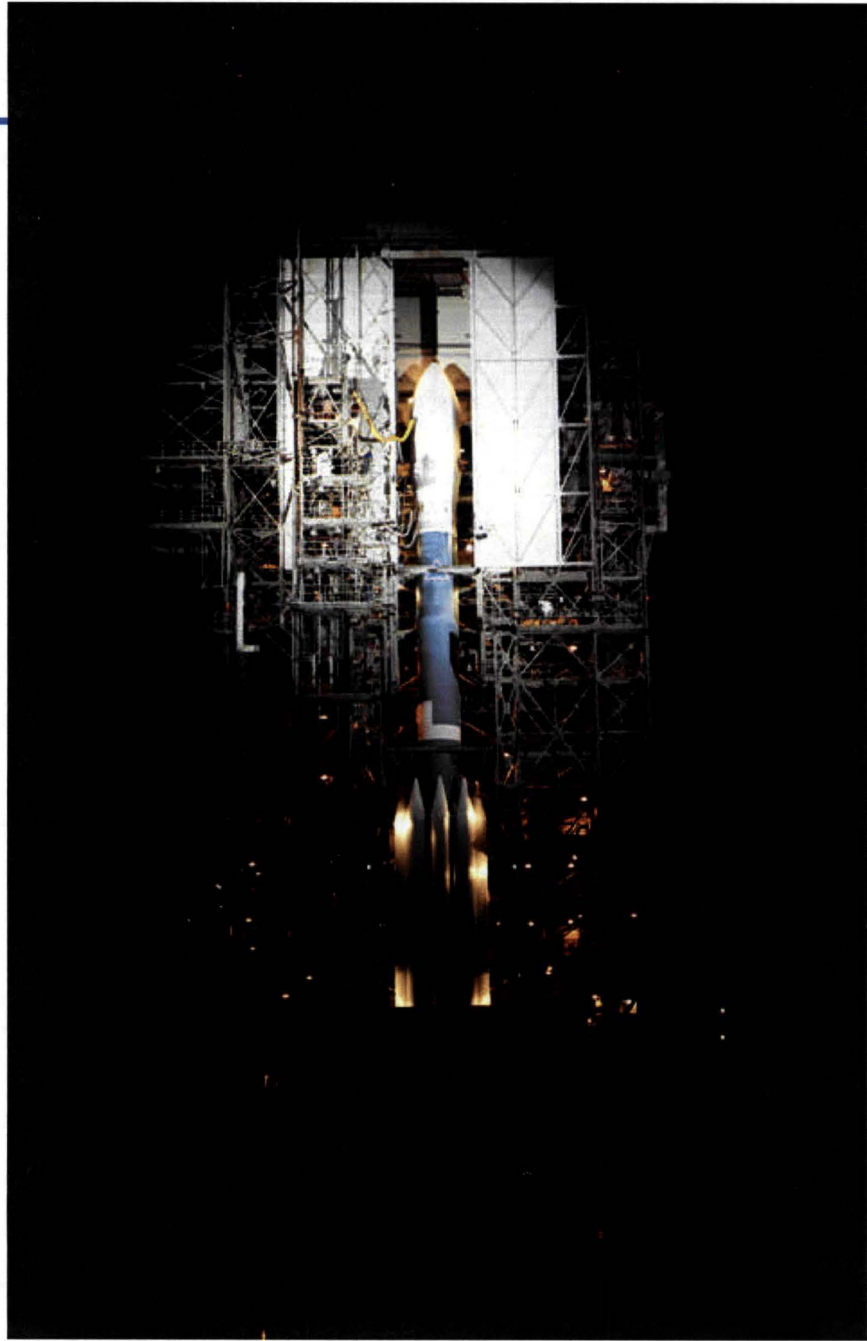








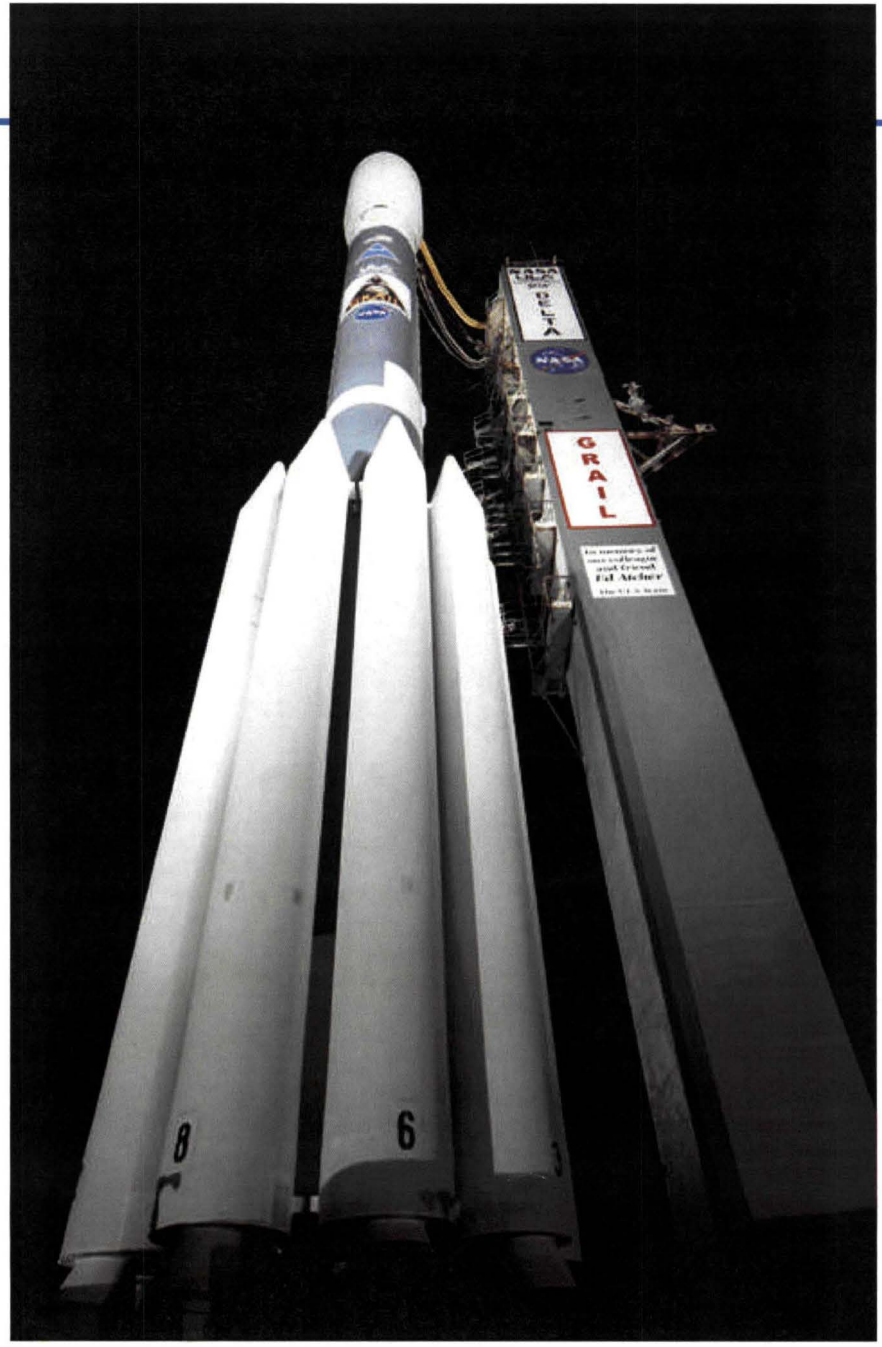


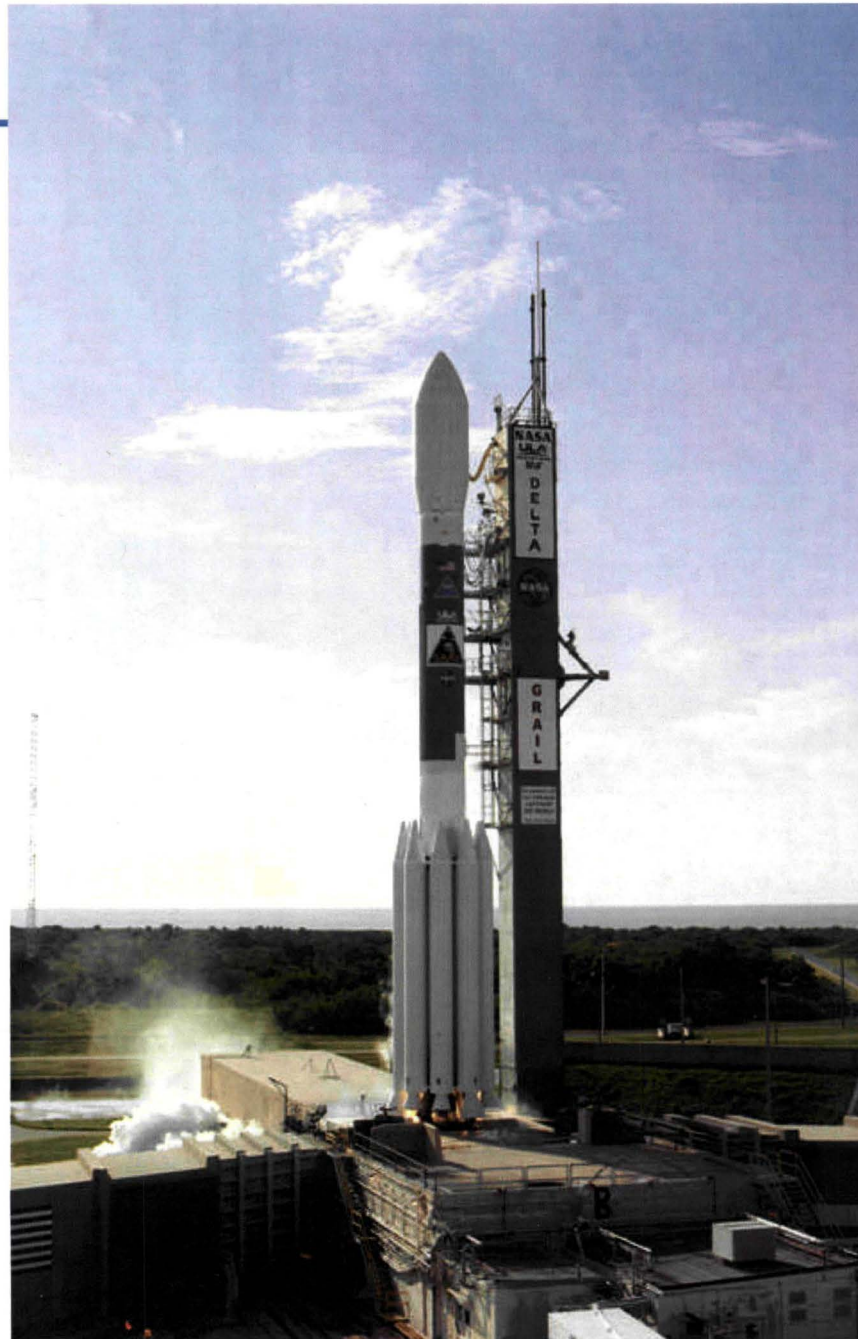


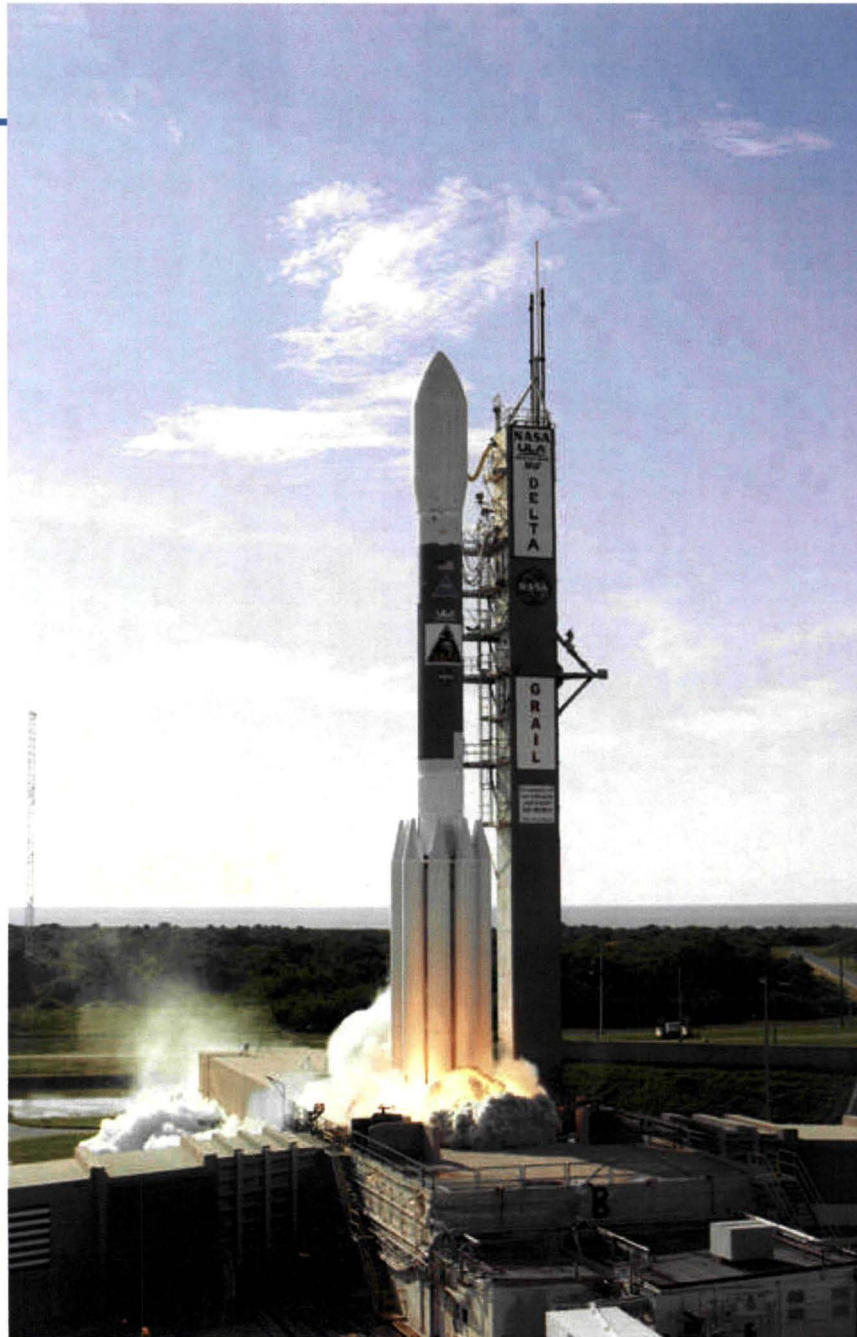


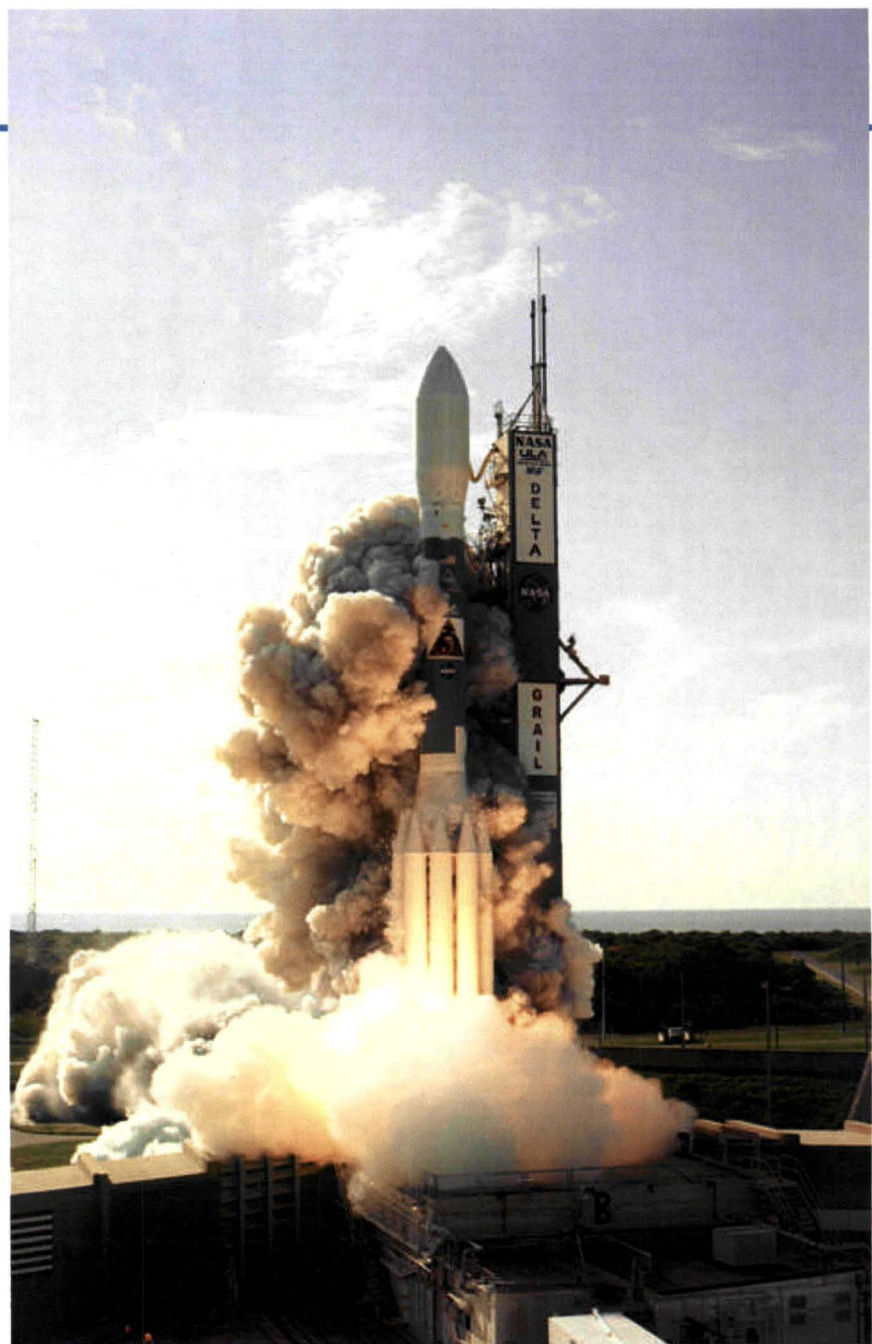


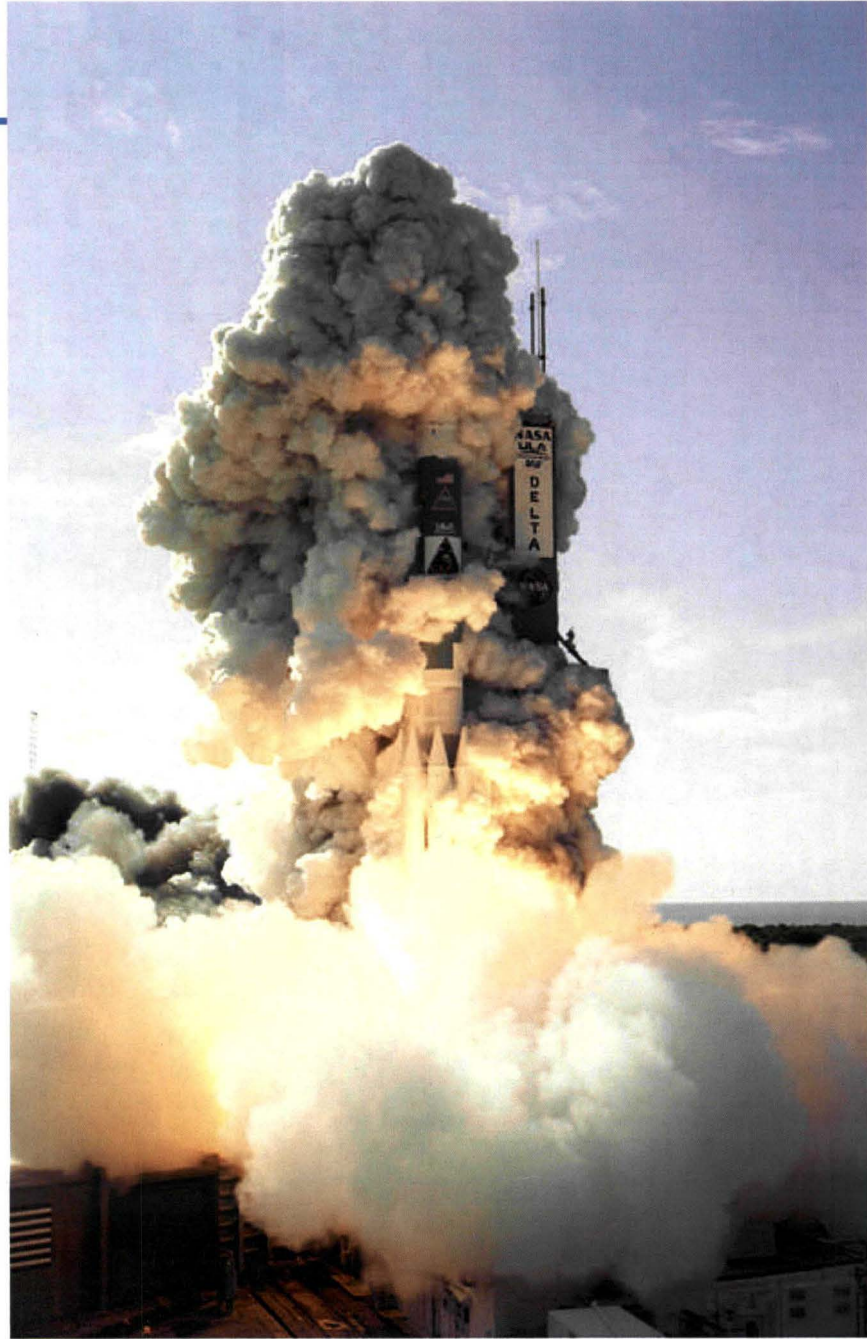












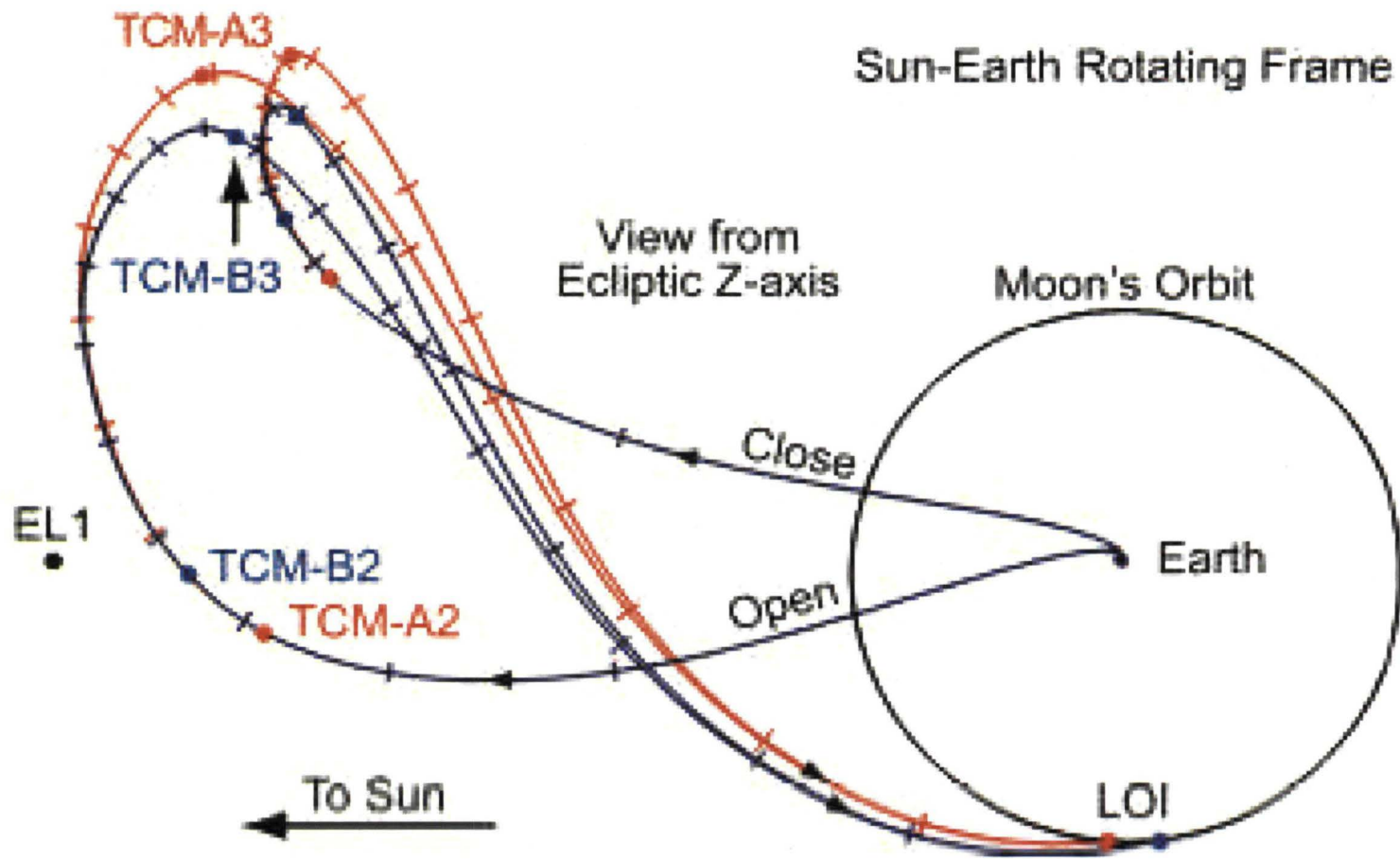








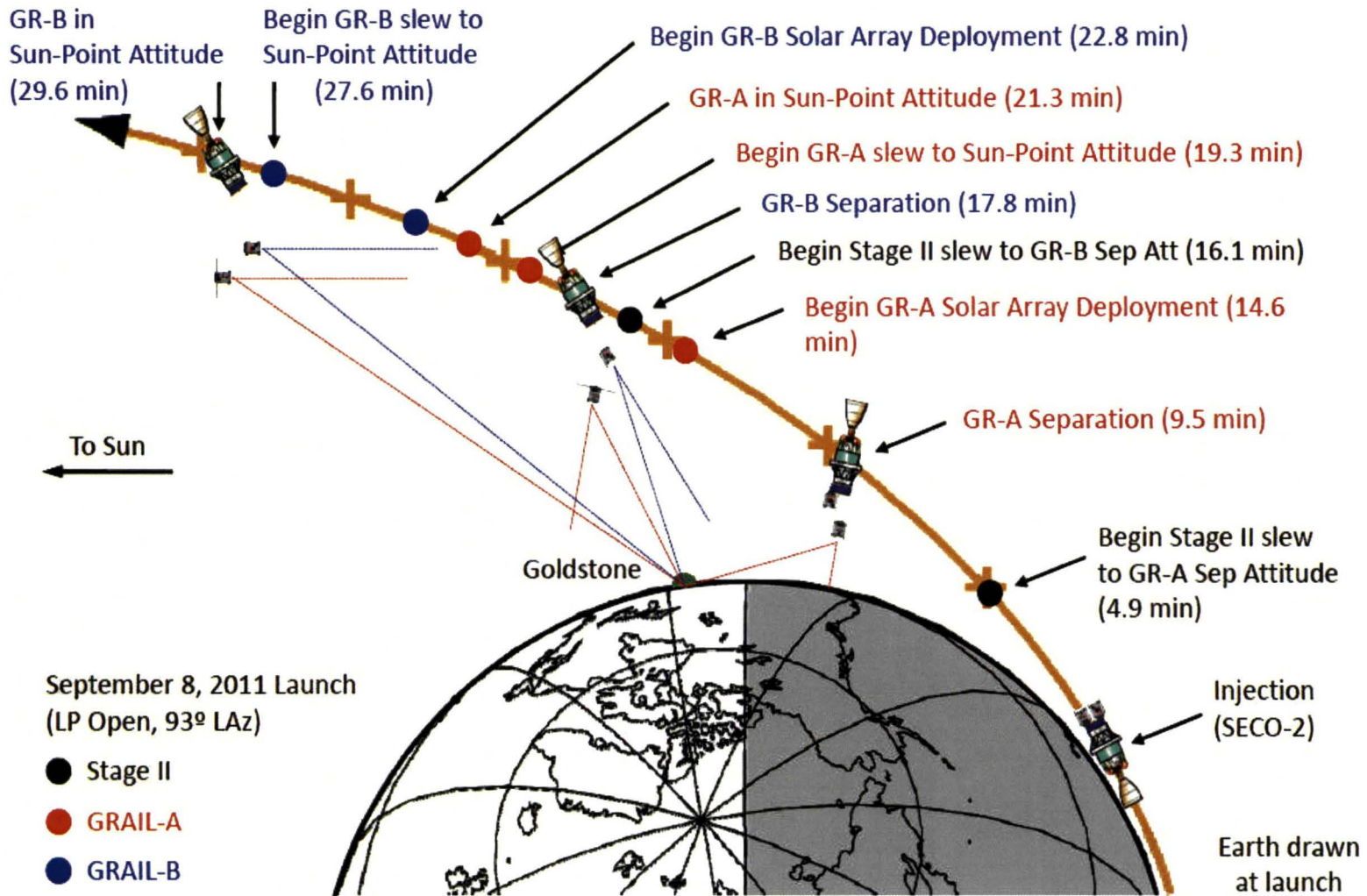


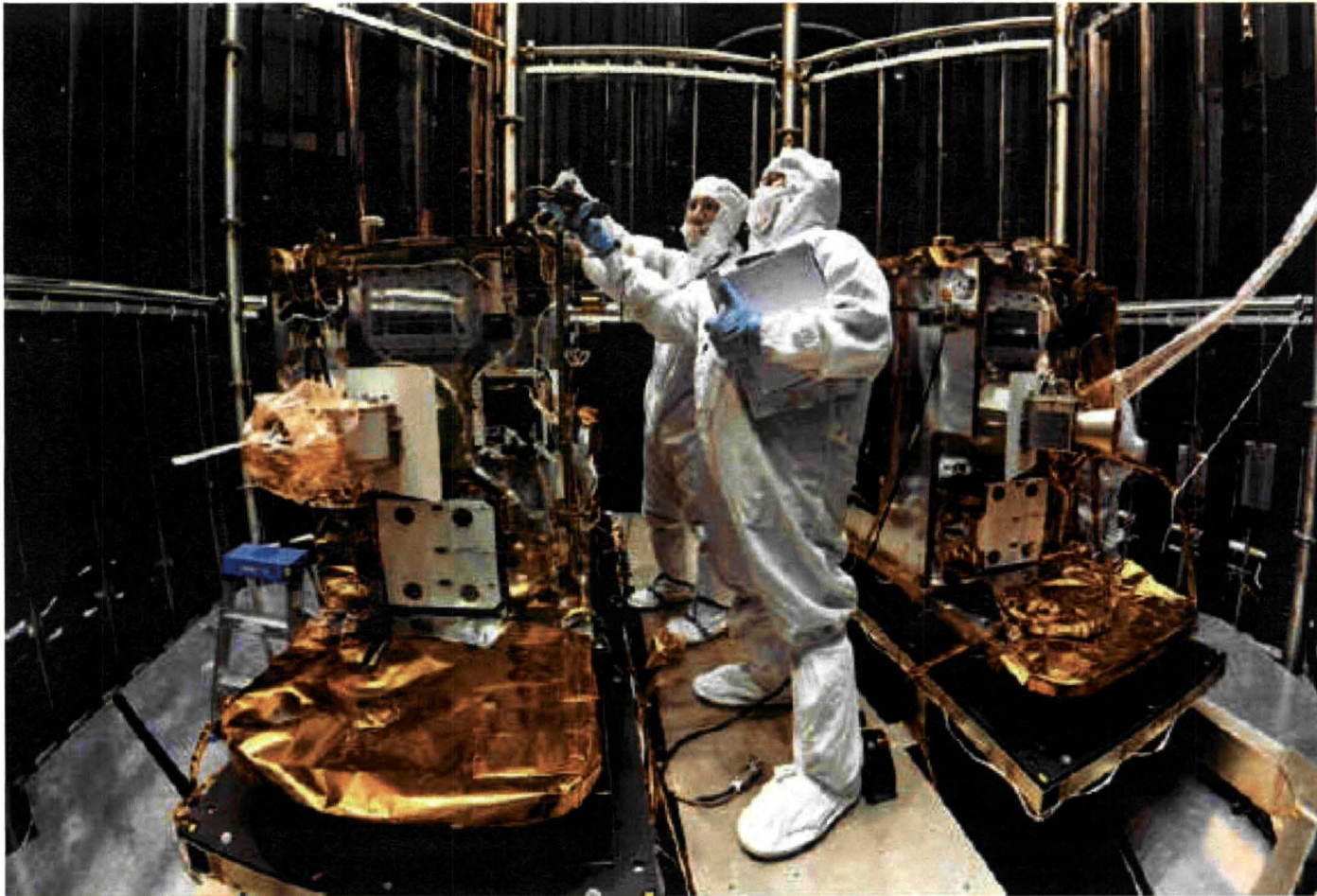


Mission Phase	Phase Start (for GRAIL-A and GRAIL-B)
Launch	08-Sep-11
Trans-Lunar Cruise (TLC)	09-Sep-11
Lunar Orbit Insertion (LOI)	28-Dec-11
Orbit Period Reduction (OPR)	02-Jan-12
Transition to Science Formation (TSF)	05-Feb-12
Science	08-Mar-12
Decommissioning	29-May-12

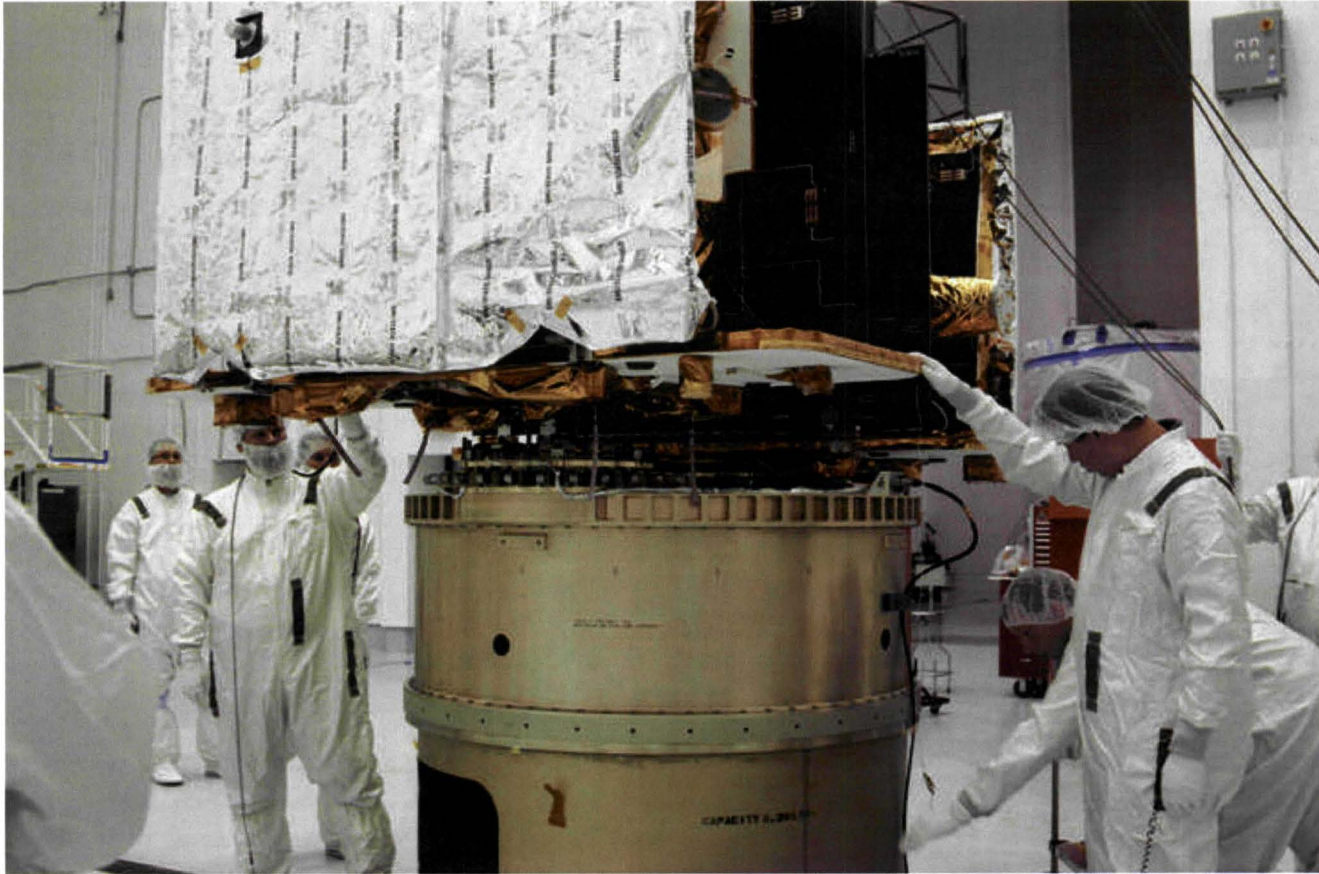


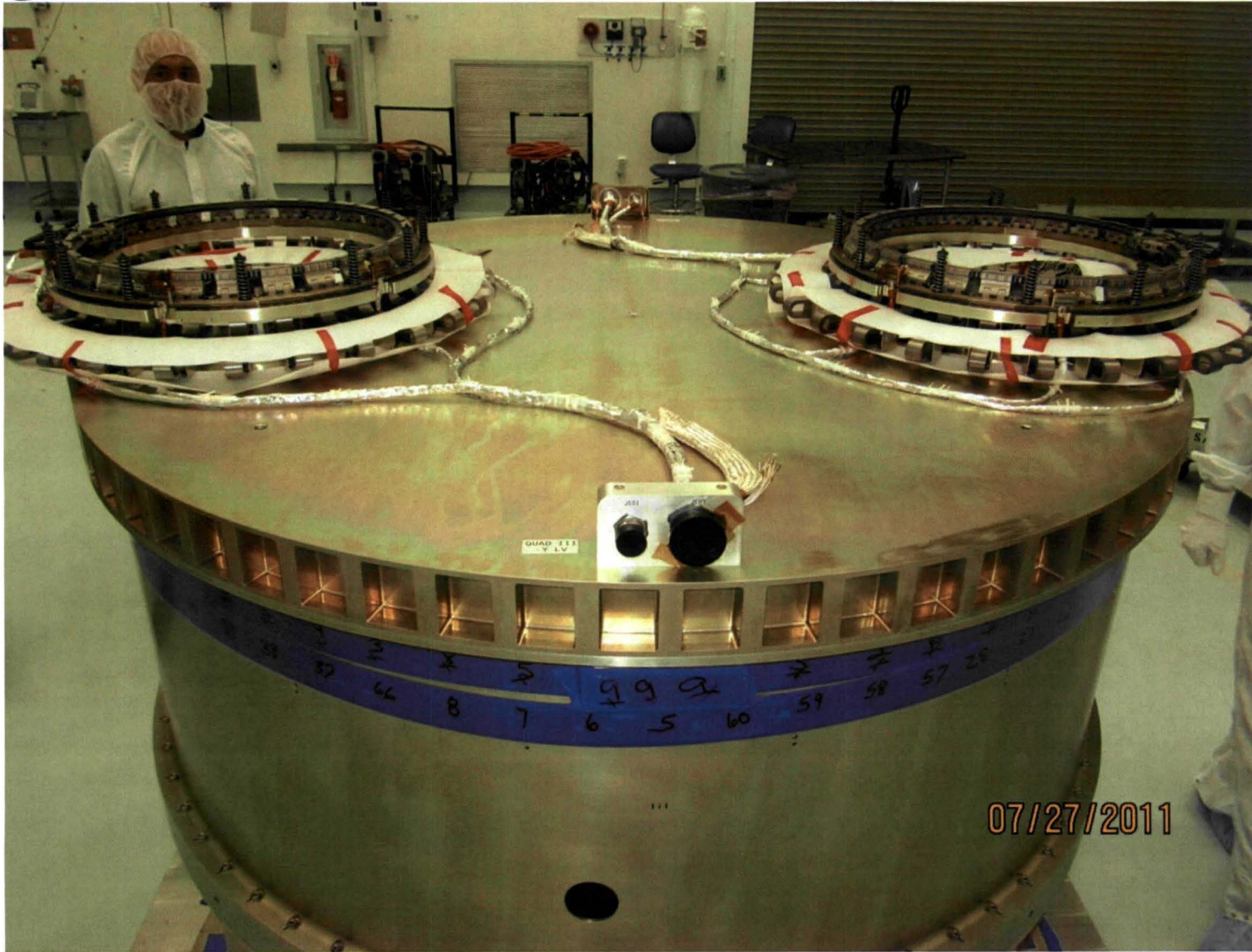
BACK UP INFORMATION

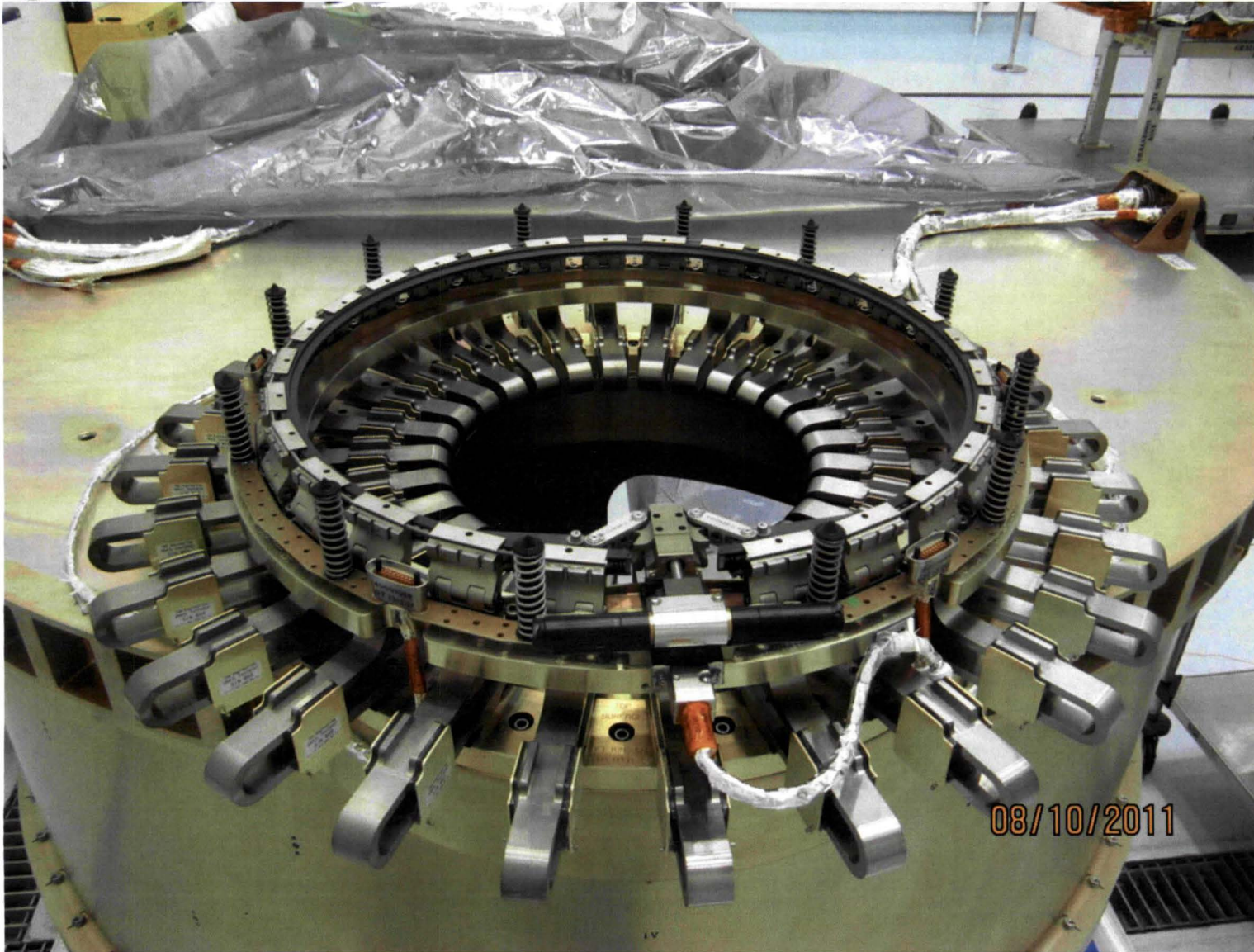




Technicians prepare to hoist one of the two GRAIL spacecraft upon completion of a thermal vacuum test at the Lockheed Martin Space Svstems facility in Denver. Image Credit: NASA/JPL-Caltech/LMSS







08/10/2011

BACK UP INFORMATION

END