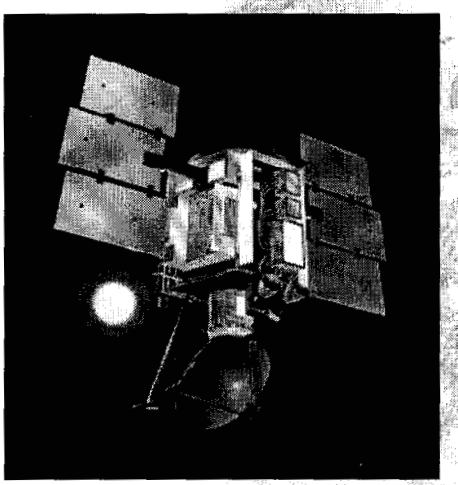
The Earth Science Data Systems Section (381) is part of the Observational Systems Division (380) at JPL. Section 381 provides end-to-end science data processing systems in support of the Earth Science Enterprise missions. The section also researches and prototypes advanced computing and information management technologies.

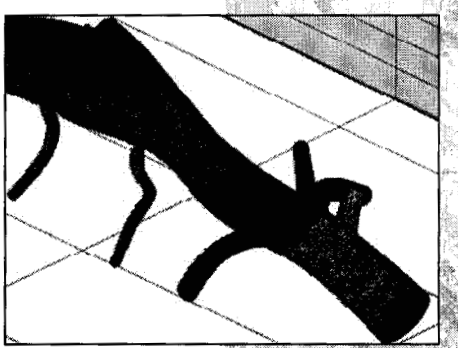
Section 381 Thrust Areas

Earth Science Software Systems
Design, develop, and operate robust science data processing systems that support all phases of the science experiment including device modeling, algorithm development, data processing, instrument operations, data distribution and data archive.



Advanced Information Technology and Applications
Conduct focused research and development of information technologies critical for improving the effectiveness, and reducing the costs of future generations of mission data and information systems.

Earth Science Data Management and Archive Systems
Design, develop and operate science archive systems that catalog, archive and distribute scientific data from Earth Science missions.



Applied Cluster Computing Technologies
Utilize cluster-computing technologies to implement advanced software components and applications for the effective solution of complex computational problems for the earth and planetary science community.