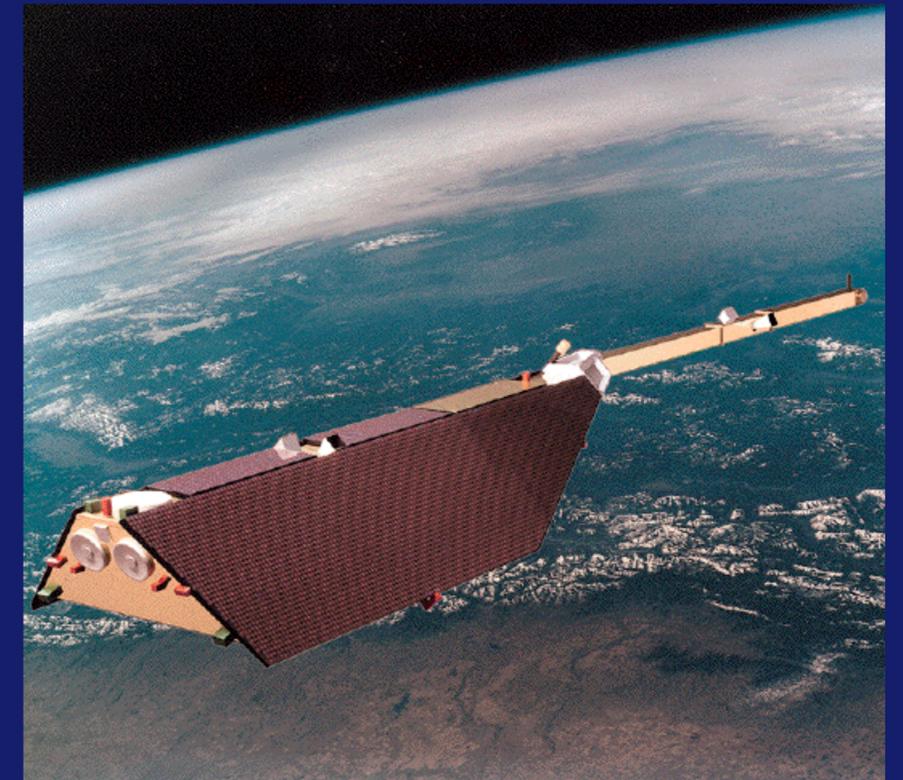
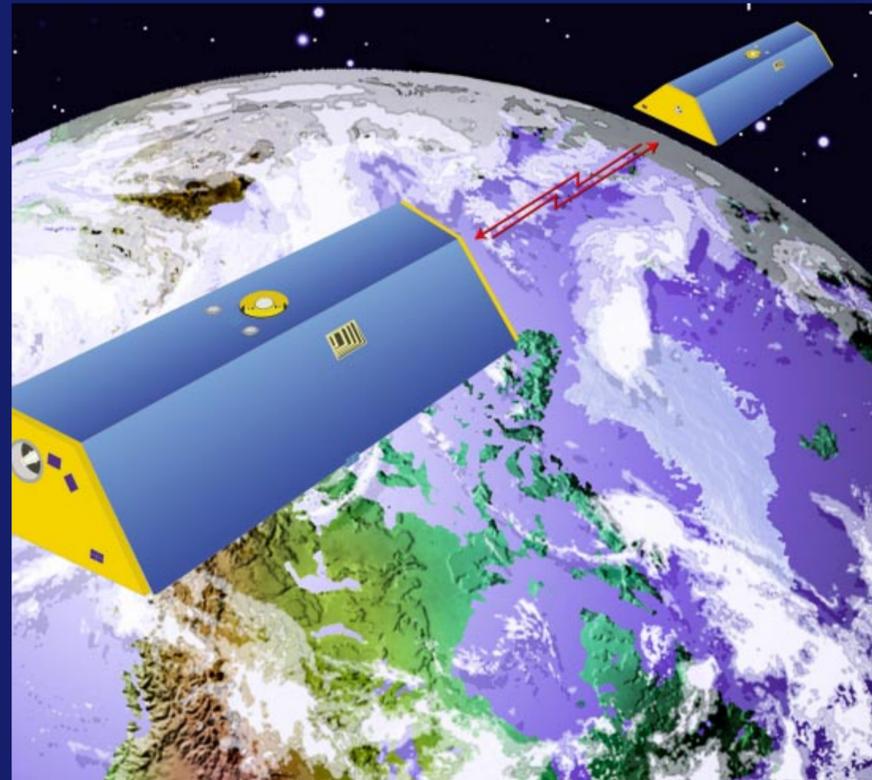


IGS Low Earth Orbiters

WORKING GROUP

The goal of this Working Group is to use precise orbit determination and ground tracking data to support LEO space-based GPS applications.

GPS data from low Earth orbit (LEO) platforms will be used for IGS precise orbit determination (POD) solutions of the LEO and the GPS constellation. Additional space applications will use onboard GPS receivers, coupled with high-rate ground data, to produce ionosphere imaging products and temperature and water vapor profiles of the neutral atmosphere. The POD will be assessed for its potential to improve IGS analysis.



▲
A pair of Gravity Recovery and Climate Experiment (GRACE) satellites (left) and a Challenging Minisatellite Payload for Geophysical Research and Application (CHAMP) carry GPS onboard flight receivers.