

**Opportunity Title:** Venus Geodesy and Geophysics

**Opportunity Reference Code:** 0344-NPP-NOV26-GSFC-PlanetSci

**Organization** National Aeronautics and Space Administration (NASA)

**Reference Code** 0344-NPP-NOV26-GSFC-PlanetSci

**How to Apply** All applications must be submitted in [Zintellect](#)

Please visit the NASA Postdoctoral Program website for application instructions and requirements: [How to Apply | NASA Postdoctoral Program \(orau.org\)](#).

A complete application to the NASA Postdoctoral Program includes:

1. Research proposal
2. Three letters of recommendation
3. Official doctoral transcript documents

**Application Deadline** 11/1/2026 6:00:59 PM Eastern Time Zone

**Description** About the [NASA Postdoctoral Program](#)

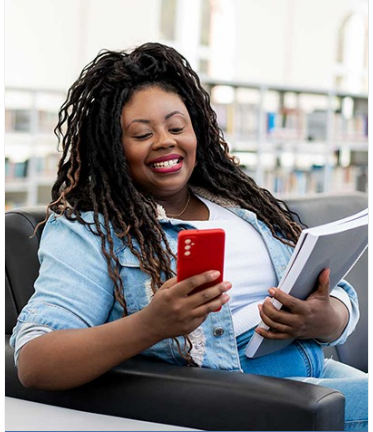
The [NASA Postdoctoral Program \(NPP\)](#) offers unique research opportunities to highly-talented scientists to engage in ongoing NASA research projects at a NASA Center, NASA Headquarters, or at a NASA-affiliated research institute. These one- to three-year fellowships are competitive and are designed to advance NASA's missions in space science, Earth science, aeronautics, space operations, exploration systems, and astrobiology.

**Description:**

This research will support advancing our understanding of Venus' gravity field, lithosphere, interior structure, and geologic evolution through the analysis of existing observations, the development of new measurement approaches, and geophysical modeling. The selected candidate will be able to work a broad range of research directions.

Possible projects include: orbit determination and geodetic analysis using Magellan data; simulations and methodological development for recovery of Venus gravity field parameters from future spacecraft tracking; investigation of atmospheric properties through spacecraft drag or radio occultation measurements. Research projects can also focus on geophysical interpretation of gravity, topography, and related datasets to constrain crustal thickness, elastic lithosphere properties, mantle dynamics, and the formation and evolution of distinctive geological features such as coronae. More theoretical studies of Venus' long-term evolution, rotation and orientation dynamics, and tidal response, are also of interest.

The selected candidate will work with the Planetary Geodesy group at NASA GSFC and will be able to interact with spacecraft mission teams such as VERITAS.



Whether you are just starting your career or already at a senior level, ORAU offers internships, fellowships, research opportunities, and contract positions that can provide you with invaluable experience. Download the ORAU Pathfinder mobile app and find the right opportunity to propel you along your career path!

Visit ORAU Pathfinder [↗](#)



**Opportunity Title:** Venus Geodesy and Geophysics

**Opportunity Reference Code:** 0344-NPP-NOV26-GSFC-PlanetSci

**Field of Science:** Planetary Science

**Advisors:**

Erwan Mazarico  
erwan.m.mazarico@nasa.gov  
(301) 614-6504

**Applications with citizens from Designated Countries will not be accepted at this time, unless they are Legal Permanent Residents of the United States.** A complete list of Designated Countries can be found at: <https://www.nasa.gov/oiir/export-control>.

Eligibility is currently open to:

- U.S. Citizens;
- U.S. Lawful Permanent Residents (LPR);
- Foreign Nationals eligible for an Exchange Visitor J-1 visa status; and,
- Applicants for LPR, asylees, or refugees in the U.S. at the time of application with 1) a valid EAD card and 2) I-485 or I-589 forms in pending status

**Questions about this opportunity?** Please email [npp@orau.org](mailto:npp@orau.org)

**Qualifications** Candidates should have an engineering or science Ph.D. in a relevant field and have relevant experience to the proposed project.

**Point of Contact** [Mikeala](#)

**Eligibility Requirements**

- **Degree:** Doctoral Degree.