

Opportunity Title: Planetary Magnetic Fields

Opportunity Reference Code: 0063-NPP-NOV23-GSFC-PlanetSci

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0063-NPP-NOV23-GSFC-PlanetSci

Application Deadline 11/1/2023 6:00:59 PM Eastern Time Zone

Description Magnetic fields inform us about many aspects of planets and plasmas. Using observations from magnetometers on spacecraft we can learn about an object's core, whether it has oceans or aquifers, and how its atmosphere interacts with the solar wind. For example we can use MAVEN data to examine how the solar wind might have eroded away the martian atmosphere over billions of years, Juno data to probe the origin of Jupiter's internal magnetic field and powerful magnetosphere, or Parker Solar Probe data to understand the origins of the solar wind. The candidate would have the opportunity to work with existing spacecraft data to conduct data analysis of these topics and to use science to better understand how planets and plasmas work.

Location:

Goddard Space Flight Center
Greenbelt, Maryland

Field of Science: Planetary Science

Advisors:

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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



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pending status

Eligibility Requirements

- **Degree:** Doctoral Degree.