

Opportunity Title: Global Planetary Magnetosphere Simulations
Opportunity Reference Code: 0290-NPP-JUL25-GSFC-Heliophys

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0290-NPP-JUL25-GSFC-Heliophys

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 7/1/2025 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:

We are looking for postdoctoral researchers to perform global planetary magnetosphere simulations of any planet (in the solar system or otherwise). Such simulations will address questions of magnetospheric physics, including their large- and small-scale structure, dynamical behavior as a function of both internal and solar wind forcing, feedback across subsystems (e.g. ITM coupling, mesoscale, reconnection, radiation belts), auroral responses, asymmetries, moon-magnetosphere interactions, suitability for life, or other outstanding issues.

This opportunity will combine the Heliophysics, Astrophysics, and Planetary Science research areas.

Field of Science: Heliophysics Science

Advisors:

Christopher Bard
christopher.bard@nasa.gov

Menelaos Sarantos
menelaos.sarantos-1@nasa.gov
(301) 286-2945

Alex Glocer



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: Global Planetary Magnetosphere Simulations

Opportunity Reference Code: 0290-NPP-JUL25-GSFC-Heliophys

alex.glocer-1@nasa.gov

(301) 286-9475

John Dorelli

John.Dorelli@nasa.gov

(301) 286-9753

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

Qualifications We expect the applicant to have a prior experience and detailed knowledge in the use and interpretation of major types of magnetospheric and/or solar wind data, and in utilization and development of data-analysis or modeling tools for space physics data.

Point of Contact [Mikeala](#)

Eligibility Requirements • **Degree:** Doctoral Degree.