

Opportunity Title: Kinetic Plasma Physics: Data Analysis and Modeling

Opportunity Reference Code: 0307-NPP-MAR25-GSFC-Heliophys

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0307-NPP-MAR25-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 3/1/2025 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 U.S. and non-U.S. 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:

Analysis of in situ particle and field data from Heliophysics missions to examine fundamental phenomena such as collisionless shocks, magnetic reconnection, turbulence, wave-particle interactions, and kinetic theory are included in this opportunity. Spacecraft included in this opportunity include, but are not limited to, STEREO, THEMIS, Van Allen Probes, MMS, Parker Solar Probe, Solar Orbiter, and Wind. Applicants should have sufficient knowledge of the instrumentation to analyze data and perform independent research.

Field of Science: Heliophysics Science

Advisors:

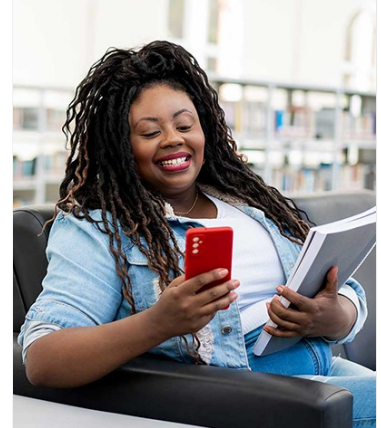
Lynn Wilson III

Lynn.B.Wilson@nasa.gov

(301) 286-6487

Questions about this opportunity? Please email npp@orau.org

Qualifications Applicants should have sufficient knowledge of the instrumentation to analyze data and perform independent research. A basic level of computer



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: Kinetic Plasma Physics: Data Analysis and Modeling

Opportunity Reference Code: 0307-NPP-MAR25-GSFC-Heliophys

coding is required in languages such as Python, IDL, Mathematica, Matlab, C/C++, or Fortran. A doctorate in plasma physics, space physics, or plasma astrophysics is required.

Point of Contact [Mikeala Lambertucci](#)

Eligibility • **Citizenship:** LPR or U.S. Citizen

Requirements • **Degree:** Doctoral Degree.