

Opportunity Title: Identifying Solar Wind Source Regions Using EUV/FUV Spectroscopy and Multi-Instrument Solar Observations

Opportunity Reference Code: 0327-NPP-MAR26-GSFC-Heliophys

Organization National Aeronautics and Space Administration (NASA)

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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 4/2/2026 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:

The participant will have the opportunity to engage in a research project aimed at identifying the sources of the solar wind in the solar atmosphere. This investigation will involve collecting and analyzing extreme ultraviolet (EUV) and far ultraviolet (FUV) spectra from space-based instruments such as Hinode/EIS, IRIS, and Solar Orbiter/SPICE, supplemented with contextual observations including magnetograms and EUV images. A key component of the analysis will be measuring plasma composition (elemental abundances), as these abundances are believed to remain largely unchanged from the corona into the solar wind. This property provides a valuable means to connect coronal plasma signatures to in situ solar wind measurements.

The project may also involve comparing these remote-sensing observations with in situ measurements from spacecraft or with coronagraph images that trace the solar wind's outward expansion. Through collaboration with mission scientists and the use of state-of-the-art solar physics analysis tools, the participant will gain hands-on experience in data processing, spectral analysis, plasma diagnostics, and interpretation techniques. This experience will enhance the participant's understanding of solar atmospheric dynamics, plasma composition, and the processes that drive



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the solar wind, while building skills relevant to heliophysics research in support of NASA's mission to study the Sun and its influence on the solar system.

Field of Science: Heliophysics Science

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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 pending status

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

Point of Contact [Mikeala](#)

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