

**Opportunity Title:** Heliophysics Science: Macroscopic Properties of the Solar Wind

**Opportunity Reference Code:** 0045-NPP-NOV23-GSFC-HelioSci

**Organization**

National Aeronautics and Space Administration (NASA)

**Reference Code**

0045-NPP-NOV23-GSFC-HelioSci

**Application Deadline**

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

**Description**

Current tasks include (1) the variation of properties of the solar wind with heliocentric radius, (2) the propagation of shocks and other transients, and (3) the relationship between macroscopic properties of the solar wind and coronal structure. Multiple modern techniques are employed to investigate this question including triangulation of radio waves (such as using Wind, STEREO and Cassini observations) and tracking of features in white light heliospheric imager data (STEREO and the upcoming Solar Probe Plus and Solar Orbiter missions). All of these remote sensing techniques are combined with in-situ measurements of magnetic fields and solar wind thermal particles, such as made from ACE, Wind, STEREO, Voyagers, and the future Solar Probe Plus and Solar Orbiter missions. Laboratory personnel are active members of all of these instrument and data analysis teams.

**Location:**

Goddard Space Flight Center  
Greenbelt, Maryland

**Field of Science:**Heliophysics 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/oirr/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

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**Eligibility Requirements**

- **Degree:** Doctoral Degree.

# NPP

NASA Postdoctoral Program

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