

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:

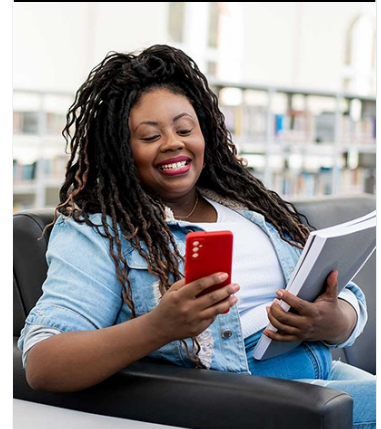
Adam Szabo
adam.szabo-1@nasa.gov
301-286-5726

Edward Sittler
Edward.C.Sittler@nasa.gov
301-286-9215

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;



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- 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

Eligibility Requirements

- **Degree:** Doctoral Degree.