

Opportunity Title: Heliophysics Science: Composition of the Solar Wind

Opportunity Reference Code: 0014-NPP-NOV23-GSFC-HelioSci

Organization National Aeronautics and Space Administration (NASA)

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

Description This task currently uses a data base consisting of more than ten years' observations made with the ion-mass spectrometer experiment on the International Sun/Earth Explorer-3/International Cometary Explorer spacecraft. It has been supported by appropriate theoretical work on modeling multicomponent solar winds and acceleration mechanisms. The composition of the solar wind, its time variations, and their relationship to solar events are studied. Collaborations with workers at the Universities of Bern and Maryland are in progress, and data from the Ulysses spacecraft is now available. Current investigations include the composition of plasma associated with magnetic clouds and bidirectional streaming events, and Coronal Mass Ejection events.

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/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



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