

Opportunity Title: Earth Science: Hydrologic Applications of Remotely Sensed Precipitation

Opportunity Reference Code: 0043-NPP-NOV23-GSFC-EarthSci

Organization National Aeronautics and Space Administration (NASA)

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

Description The Hydrological Sciences Laboratory at NASA's Goddard Space Flight Center is seeking a post-doc candidate in hydrologic application of remotely sensed precipitation. The Lab has expertise in ground and space based observation and modeling of soil moisture, snow, precipitation, and terrestrial water storage. The candidate should work with other members of the Lab towards the goal of developing a comprehensive and complete understanding of the global water cycle, by providing expertise in the measurement and analysis of precipitation at all scales. The ideal candidate will have educational experience in remote sensing of rainfall and/or snowfall. The candidate should have interests that include evaluating the numerous regional to global scale precipitation products now available, developing methods for spatial downscaling of data from these products within numerical models of land surface hydrology processes, and potential applications of these products. NASA's Global Precipitation Measurement (GPM) satellite mission launched in 2014 and provides near global precipitation estimates at high spatial and temporal resolution. The candidate could help participate in GPM analysis, and contribute to hydrologic applications of GPM data.

Location:

Goddard Space Flight Center
Greenbelt, Maryland

Field of Science:Earth Science

Advisors:

Sujay V Kumar
Sujay.V.Kumar@nasa.gov
301-286-8663

Matthew Rodell
Matthew.Rodell@nasa.gov
301-286-9143

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/oiiir/export-control>.



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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

**Eligibility
Requirements**

- **Degree:** Doctoral Degree.