

Opportunity Title: Earth Science: Aerosol, Clouds and Climate

Opportunity Reference Code: 0109-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 We are interested in how tropospheric aerosols affect clouds and climate. We observe the spatial scales of aerosol/cloud interactions, and how these interactions affect the radiation budget. Our job is two-fold. We develop algorithms for retrieving properties of aerosols and clouds from remote-sensed data, and then we perform novel analyses to tease out the inter-relationships between these parameters. While datasets retrieved from satellites are our primary tools, these are complemented with other remote sensed data (aircraft and ground) as well as with in situ and laboratory measurements. Modeling efforts tie the observations together.

Location:

Goddard Space Flight Center
Greenbelt, Maryland

Field of Science:Earth 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/oijr/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

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



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