

Opportunity Title: Earth Science: Remote Sensing of Atmospheric Aerosol and its Climate Effect

Opportunity Reference Code: 0067-NPP-NOV23-GSFC-EarthSci

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0067-NPP-NOV23-GSFC-EarthSci

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

Description Theoretical and experimental research is under way in atmospheric science, radiative transfer, and remote sensing. This research focuses on (1) remote sensing of aerosols and clouds; (2) atmospheric correction of satellite imagery of the Earth's surface; (3) interaction of aerosols and clouds, and their climatic impact; (4) remote sensing of emissions from biomass burning in the tropics; (5) calibration of satellite sensors using the Earth's atmosphere and surface reflectance; and (6) analysis of satellite data. Field experiments are conducted with measurements from aircraft and from the ground of the aerosol properties (e.g., smoke aerosol, dust, and anthropogenic aerosol), and their effect on cloud microphysics and radiation characteristics.

Location:

Goddard Space Flight Center
Greenbelt, Maryland

Field of Science:Earth Science

Advisors:

Christina Hsu
Christina.Hsu@nasa.gov
301-614-5554

Robert Levy
Robert.C.Levy@nasa.gov
301-614-6307

Si-Chee Tsay
Si-Chee.Tsay-1@nasa.gov
301-614-6188

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,



Whether you are just starting your career or already at a senior level, ORAU offers internships, fellowships, research opportunities, and contract positions that can provide you with invaluable experience. Download the ORAU Pathfinder mobile app and find the right opportunity to propel you along your career path!

Visit ORAU Pathfinder [↗](#)



Opportunity Title: Earth Science: Remote Sensing of Atmospheric Aerosol and its Climate Effect

Opportunity Reference Code: 0067-NPP-NOV23-GSFC-EarthSci

- 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.