

**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

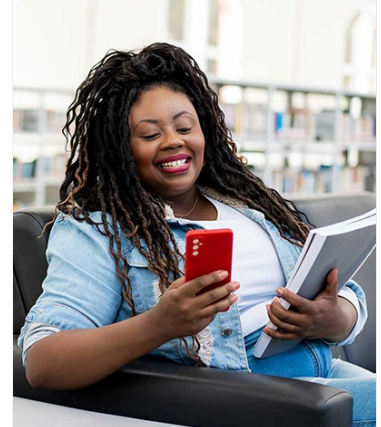
Robert Levy  
Robert.C.Levy@nasa.gov  
301-614-6307

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.