Opportunity Title: Airborne In Situ Trace Gas Analysis of Earth's Atmosphere
Opportunity Reference Code: 0035-NPP-MAR26-LRC-EarthSci

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0035-NPP-MAR26-LRC-EarthSci

How to Apply All applications must be submitted in Zintellect

Please visit the NASA Postdoctoral Program website for application instructions and requirements: How to Apply | NASA Postdoctoral Program (orau.org)

A complete application to the NASA Postdoctoral Program includes:

1. Research proposal
2. Three letters of recommendation
3. Official doctoral transcript documents

Application Deadline 3/1/2026 6:00:59 PM Eastern Time Zone

Description **About the NASA Postdoctoral Program**

The NASA Postdoctoral Program (NPP) offers unique research opportunities to highly-talented scientists to engage in ongoing NASA research projects at a NASA Center, NASA Headquarters, or at a NASA-affiliated research institute. These one- to three-year fellowships are competitive and are designed to advance NASA's missions in space science, Earth science, aeronautics, space operations, exploration systems, and astrobiology.

Description:

Concentrations of trace gases provide insight into a broad array of atmospheric and environmental science questions, such as those concerning regional air quality and global climate. Trace gas analysis is vital tool in understanding how not only where pollutants are emitted, but also how they chemically evolve and distribute throughout the atmosphere and affect both urban and remote regions. The NASA Langley in situ Trace Gases group provides state of the art airborne and ground-based measurements of a variety of gases relevant to air quality, climate, and atmospheric dynamics and transport, including water vapor, carbon dioxide, carbon monoxide, nitrous oxide, methane, and trace gases. Our measurements are collected using a variety of both modified commercial and custom instruments, in support of a variety of globally-ranging field projects. In addition, we develop new technologies that push forward the envelope of in situ gas phase measurement science. Postdoctoral work in our group will include working on cutting-edge atmospheric research questions, gaining experience with state-of-the-art trace gas measurement technology, participation in major NASA airborne science projects, and interacting in the world class airborne science community within the NASA Langley Science Directorate.

Location:
Langley Research Center
Hampton, Virginia

Field of Science: Earth Science

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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

Questions about this opportunity? Please email npp@orau.org

Point of Contact Mikeala

Eligibility Requirements

- **Degree:** Doctoral Degree.