

Opportunity Title: Instrument development for stratospheric composition

Opportunity Reference Code: 0342-NPP-NOV26-JPL-EarthSci

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0342-NPP-NOV26-JPL-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 11/1/2026 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:

This research opportunity focuses on the development of microwave limb sounding instruments for stratospheric science, with a strong emphasis on laboratory technology demonstrations designed for integration into ongoing and future NASA field campaigns.

We are seeking postdoctoral candidates with a strong background in laboratory instrumentation, RF engineering, signal processing, or related fields who are eager to contribute to cutting-edge, science-driven research. The successful candidate will play a dual role: contributing to the design, implementation, and optimization of current and next-generation microwave limb sounding systems, while also using the resulting measurements to investigate variability in upper troposphere–lower stratosphere (UTLS) ozone, water vapor, and carbon monoxide, advancing our understanding of atmospheric composition and dynamics.

Field of Science: Earth Science

Advisors:

Luis Millan Valle
lmillan@jpl.nasa.gov



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: Instrument development for stratospheric composition

Opportunity Reference Code: 0342-NPP-NOV26-JPL-EarthSci

(626) 899-8503

Frank Winiberg

frank.winiberg@jpl.nasa.gov

(818) 393-3279

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,
- 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.