

Opportunity Title: Ground-Based Remote Sensing of Atmospheric Trace Gases

Opportunity Reference Code: 0055-NPP-NOV23-ARC-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 NASA Ames Research Center is looking for a postdoctoral assistant to support the operation of a solar tracking high resolution Fourier Transform Spectrometer located at NASA Armstrong Flight Research Center as part of the Total Column Carbon Observing Network. The successful candidate will support daily operations, hardware maintenance, data processing and analysis, as well as develop scientific studies of data from this and other TCCON sites, coupled with satellite and other data sets.

Candidates with interest in carbon cycle science and/or urban emissions and experience in one or more of the following measurement foci are encouraged to apply:

- greenhouse gas flux measurements and analysis
- high-resolution infrared spectroscopy, both hardware and data analysis
- remote sensing of atmospheric trace gases
- analysis of satellite observations of greenhouse gases

Previous laboratory and/or field experience is required. Experience with a variety of data analysis software packages is advantageous. Development of secondary projects which foster collaborations with other researchers at NASA Ames is also encouraged.

Position Requirements:

- PhD in the physical sciences, preferably Chemistry, Physics, or Atmospheric Sciences.
- Experience working with and maintaining analytical instrumentation, preferably FTIR.
- Ability to work as a member of a team on various projects.
- Good written and verbal communication skills.
- Sufficient physical condition to climb a ladder and lift 30 pounds.
- Travel to NASA Armstrong will be necessary several times per year.

Location:

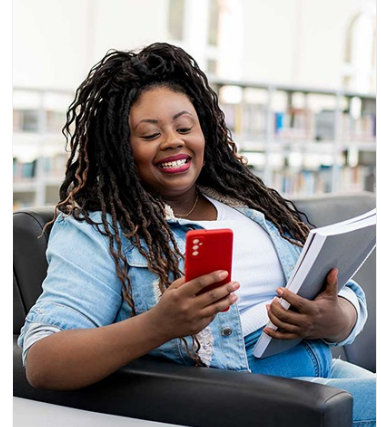
Ames Research Center
Moffet Field, California

Field of Science:Earth Science

Advisors:

Laura T. Iraci
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Applications with citizens from Designated Countries will not be



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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/oiiir/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.