

**Opportunity Title:** Data Science for Satellite Remote Sensing and Earth Science Research

**Opportunity Reference Code:** 0104-NPP-NOV24-ARC-EarthSci

**Organization** National Aeronautics and Space Administration (NASA)

**Reference Code** 0104-NPP-NOV24-ARC-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** 11/1/2024 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 U.S. and non-U.S. 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:**

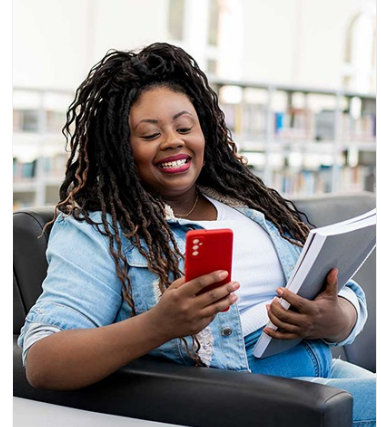
The post-doctoral fellow will apply machine learning and/or other data science techniques to conduct scientific research, improve remote sensing data products and analysis, integrate machine learning with physics-based models, and/or improve processing of remotely-sensed Earth Science data. The fellow will be a part of the NASA Earth eXchange (NEX). Current NEX activities include exploiting global geostationary operational satellites for Earth science research and applications, synthesizing low-earth orbiting and geostationary satellite remote sensing for research and applications, modeling terrestrial and marine/aquatic systems, climate downscaling and resilience, and developing open science tools and software for science data processing. Candidates are not limited to proposals that align with these activities and are encouraged to contact the NEX team to discuss fellowship research topics.

**Field of Science:** Earth Science

**Advisors:**

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(650) 604-1881

**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:



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<https://www.nasa.gov/oir/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](mailto:npp@orau.org)

**Eligibility Requirements**

- **Degree:** Doctoral Degree.