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Opportunity Title: Polar Atmospheric Processes and Their Interactions with the Surface
Opportunity Reference Code: 0183-NPP-MAR26-GSFC-EarthSci

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0183-NPP-MAR26-GSFC-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 4/2/2026 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 opportunity is closed to applicants who are Senior Fellows (5-years or more past PhD).

The Earth's Arctic and Antarctic regions are experiencing unprecedented changes, which will have profound effects on the global climate, society and biodiversity. Given the complexity of polar climate, a complete understanding requires a continuous effort in observation, modeling, and a thorough analysis of each component and their interactions.

This research focuses on studying the Arctic/Antarctic atmospheric processes and their interactions with the ice sheets and the oceans. Specific topics include (1) polar radiative processes; (2) properties of cloud and blowing snow over the polar regions; (3) effects of cloud and other atmospheric events, e.g., blowing snow, on polar radiation budget and surface melting; and (3) polar boundary layer processes. Research tools include radiative transfer simulations, numerical modeling and remote sensing. Both surface observations and data from NASA's satellites are used for the investigations.

Location:
Goddard Space Flight Center

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Opportunity Title: Polar Atmospheric Processes and Their Interactions with the Surface
Opportunity Reference Code: 0183-NPP-MAR26-GSFC-EarthSci

Greenbelt, Maryland

Field of Science: Earth Science

Advisors:
Yuekui Yang
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301-614-6313

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.