

**Opportunity Title:** Earth Science: Water Cycle Extremes and Climate

**Opportunity Reference Code:** 0010-NPP-MAR26-GSFC-EarthSci

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

**Reference Code** 0010-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** 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:**

This opportunity is closed to applicants who are Senior Fellows (5-years or more past PhD).

This research focuses on better understanding the extreme fluctuations of global and regional atmospheric water cycles and their interactions with the Earth's surface using NASA Earth science satellite observations, in-situ measurements, modeling including IPCC CMIP model outputs. Topics include (1) statistical analysis of rainfall extreme characteristics (types, frequency and intensity), and associated changes in clouds, moisture and the large scale circulation, (2) analysis and modeling of extreme events clusters including flash flood, severe drought, atmospheric rivers, and tropical cyclones, and possible teleconnections among them, and (3) continental heat wave and prolonged droughts, role of remote forcing vs. local land-atmosphere feedback processes, and (4) High impact hydroclimate events, including estimation of return interval, attributions, and feedback processes involving large scale environment and climate variability and change.

**Location:**

Goddard Space Flight Center



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**Opportunity Reference Code:** 0010-NPP-MAR26-GSFC-EarthSci

Greenbelt, Maryland

**Field of Science:**Earth Science

**Advisors:**

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301-614-6223

**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/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)

**Point of Contact** [Mikeala](#)

**Eligibility** • **Degree:** Doctoral Degree.  
**Requirements**