

**Opportunity Title:** Dynamics and Structure of Planetary Atmospheres

**Opportunity Reference Code:** 0002-NPP-MAR25-JPL-PlanetSci

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

**Reference Code** 0002-NPP-MAR25-JPL-PlanetSci

**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** 3/1/2025 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 program is involved in understanding various aspects of the dynamics, structure, and chemistry of planetary atmospheres. Current investigations include studies of the dynamics and internal heat flow of Uranus and Neptune; atmospheric superrotation and circulation of Saturn's moon Titan; Saturn ring seismology to reveal properties of Saturn's interior; and the thermal structure and chemistry of exoplanetary atmospheres. Potential new projects include a study of atmospheric evolution in Super Earths.

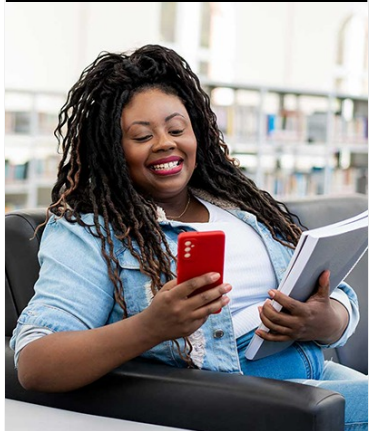
Friedson, A.J. and Gonzales, E.J. (2016). Inhibition of Ordinary and Diffusive Convection in the Water Condensation Zone of the Ice Giants and Implications for Their Thermal Evolution. Submitted Manuscript, preprint available upon request.

**Location:**

Jet Propulsion Laboratory  
Pasadena, California

**Field of Science:** Planetary Science

**Advisors:**



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**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/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

**Questions about this opportunity?** Please email [npp@orau.org](mailto:npp@orau.org)

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