

Opportunity Title: Outer Planet Atmospheres Legacy Program

Opportunity Reference Code: 0220-NPP-NOV23-GSFC-PlanetSci

Organization: National Aeronautics and Space Administration (NASA)

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Application Deadline: 11/1/2023 6:00:59 PM Eastern Time Zone

Description: This opportunity encompasses any atmospheric dynamics or structure research using imaging data from the Hubble Space Telescope Outer Planet Atmospheres Legacy (OPAL) program. The dataset consists of hundreds of yearly images of Uranus since 2014, Jupiter and Neptune since 2015, and Saturn since 2018, with wavelengths spanning the near UV to methane bands in the near IR. The dataset was designed to support investigations focused on short and long-term evolution of cloud/aerosol properties, dynamical flows, and transient phenomena. Studies of specific atmospheric features, such as Jupiter's Great Red Spot, and making use of HST's high spatial resolution in the near-UV and visible range are also appropriate. Collaboration will involve interaction with all three members of the OPAL team: Amy Simon (PI, NASA GSFC), Glenn Orton (JPL), and Mike Wong (UC Berkeley). Additional datasets or relevant tools may be used for comparison with or analysis of the HST data to broaden the impact of the OPAL program.

Location:

Goddard Space Flight Center
Greenbelt, Maryland

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/oijr/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.



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