

**Opportunity Title:** Large Lakes and Climate

**Opportunity Reference Code:** 0081-NPP-NOV23-JPL-EarthSci

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

**Reference Code** 0081-NPP-NOV23-JPL-EarthSci

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

**Description** The successful candidate will undertake the following activities: (1) use satellite derived water surface temperatures to characterize the thermal behavior of the 50 largest inland water bodies in the world and 100 largest US water bodies for the last three decades; (2) relate changes in the thermal behavior of the water bodies to global and regional climate change as indicated by surface air temperature data; (3) identify changes in the secondary characteristics of the thermal behavior of inland water bodies that result from climate change as a possible predictors of future change, e.g., timing of freeze-thaw; (4) compare the regional trends in surface temperature climate derived from these observations to those depicted in the 20th Century IPCC climate simulations.

**Location:**

Jet Propulsion Laboratory  
Pasadena, California

**Field of Science:**Earth 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/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

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



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