

Opportunity Title: Ocean Modeling and Data Analysis

Opportunity Reference Code: 0062-NPP-MAR26-JPL-EarthSci

Organization National Aeronautics and Space Administration (NASA)

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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 \(oua.org\)](#).

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:

Postdoctoral Scholar Position-Innovative Ocean Modeling for Satellite Ocean Salinity /Jet Propulsion Laboratory (JPL), California Institute of Technology (Caltech)

The California Institute of Technology Postdoctoral Scholars Program at JPL invites applications for a postdoctoral scholar position at the Ocean Circulation Group.

The research will focus on studying ocean salinity and freshwater flux. Analyzing satellite data (e.g., ocean surface salinity, GRACE ocean-bottom-pressure, and altimetry sea-level) and model results is necessary. The modeling effort aims to improve understanding of near-surface salinity stratification and river runoffs. However, the specific scientific focus of these activities will depend on the qualifications and interests of the incumbent.

Dr. Y. Tony Song (<http://science.jpl.nasa.gov/people/Song>), Research Scientist, in JPL's Earth Science Section will serve as JPL postdoctoral advisor to the selected candidate. The appointee will be guided by the JPL advisor to ensure that the research work will result in publications in the open literature.

Applicants should have a recent Ph.D. in oceanography, computational fluid



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dynamics, or a related field. Skills in Unix/Linux, Matlab and parallel computing are essential. Prior experience with a community user models, particularly ROMS, is a plus. Demonstrated proficiency in written and spoken English is also required.

Location:

Jet Propulsion Laboratory
Pasadena, California

Field of Science:Earth Science

Advisors:

Y. Tony Song
Tony.Song@jpl.nasa.gov
(818) 393-4876

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/oair/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@oraui.org

Point of Contact [Mikeala](#)

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