

OCEAN DYNAMICS AND PREDICTION BRANCH

Who are we?

Researchers seeking to understand and represent the fundamental dynamics of the ocean with the long-term goal to transition prediction systems for operational use.

Where are we?

U.S. Naval Research Laboratory located at Stennis Space Center, MS

What positions are available?

- **Postdoctoral Fellowships** – Annual 2023 salary is \$79,363. Renewable up to 3 years. *Benefits: Medical, Dental, Vision, Life.*
- **Permanent Researchers** – Annual salary for full time federal civilian positions ranges from \$80,000 to \$150,000, commensurate with experience. *Benefits: Medical, Dental, Vision, Life, Pension, Retirement.*
- **Variable work schedules with partial telework options** (No remote work)
- **Student opportunities also available**
- NRL is an equal opportunity employer

Who are we looking for?

People with knowledge in any of oceanography, meteorology, computer science, mathematics, and related fields. Skills in any of ocean modeling, data analysis, computer programming, and data assimilation.

Interested? Contact us

Send your resume or any questions to:
7320jobs@nrlssc.navy.mil

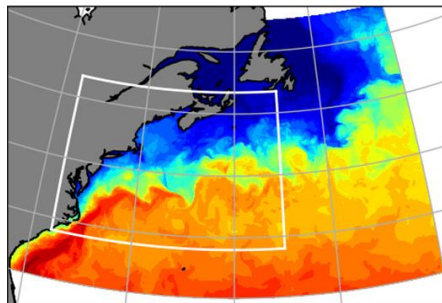
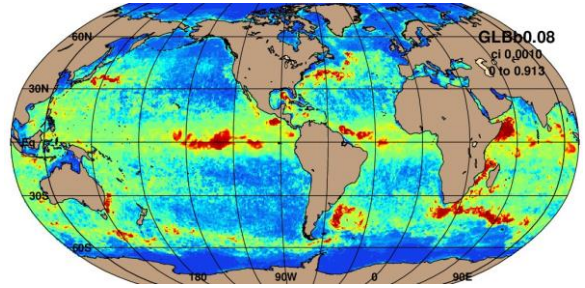


Scan or click QR code for information on research areas, publications, and available opportunities.

The Ocean Dynamics and Prediction Branch at the Naval Research Laboratory located at Stennis Space Center, MS has immediate positions available for postdoctoral and permanent researchers.

Our research areas include:

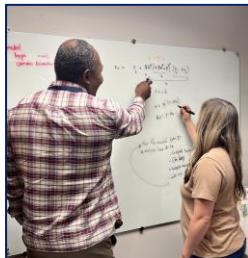
- Thermohaline circulation
- Ocean dynamics
- Surface wave prediction
- Air-sea interactions
- Nearshore hydrodynamics
- Marginal sea upwelling
- High latitude ocean dynamics
- Arctic sea ice modeling
- Turbulence modeling
- Mesoscale dynamics
- Submesoscale structures
- Submesoscale eddy dynamics
- High resolution coastal modeling
- Frontal processes
- Predicting small scale features
- Probabilistic prediction
- High performance computing
- MPI computational coding
- Ocean internal wave modeling
- Coupled ocean/acoustics
- Nearshore hydrodynamics
- Cryosphere forecasting
- Automated unmanned control systems
- Autonomous controlled systems
- Satellite observations
- In situ observations
- Data assimilation
- Covariance modeling in assimilation
- Variational assimilation



For information on projects, publications, and research opportunities, use QR code in the bottom left or go to www.7320.nrlssc.navy.mil

More About Us

We collaborate with researchers across the globe from government agencies to academia, and the research results are published in peer reviewed journal articles. The research and development at NRL require close collaborations between interdisciplinary scientists.



With access to major high-performance computing resources, we utilized over 300 million CPU hours in the last year. Research results transition to operational systems at ocean forecast centers and are used in daily decisions covering a broad range of applications around the globe. This is an opportunity to work with the nation's largest group of dedicated ocean prediction

researchers. The work involves building numerical systems that forecast ocean dynamics, developing techniques to process satellite and in situ information, and assimilating observations into numerical models.

Be part of the future of ocean prediction.

Email us at 7320jobs@nrlssc.navy.mil

