



Ocean Dynamics and Prediction Branch

Ocean Data Assimilation and Probabilistic Prediction Section

The Naval Research Laboratory has an opening for a post-doctorate researcher to advance capabilities in ocean data assimilation. This includes applications of advanced data assimilation methods such as 3DVAR and 4DVAR; advancing the science of data assimilation; and new observation types and functionals. High priority data assimilation efforts presently include wide-swath altimeter observations, image assimilation, ocean velocity observations, and in-direct observation assimilation. This long term work is developing cutting edge capabilities that transition to operational forecast centers.

Candidates are encouraged to apply with expertise in one or more areas of oceanography, ocean modeling, computational fluid dynamics, ensemble systems, HPC, applied mathematics, meteorology, physics, data analysis, numerical analysis, data assimilation, and satellite and in situ data processing.

This is an excellent opportunity to work with some of the best modelers and data analysts in the ocean community. The Naval Research Laboratory has access to the major supercomputer sites in addition to excellent local computer resources. The laboratory at Stennis Space Center is collocated with the Naval Oceanographic Office and Fleet Numerical Meteorology and Oceanography Center, which are the largest national operational forecast center for oceanography.

For a quick overview of some of the research publications within the NRL Ocean Sciences division at Stennis Space Center and systems transitioned to operations, visit the web site:

<https://scholar.google.com/citations?user=atCgUG8AAAAJ>

Annual postdoctoral salary is \$79,363. Applicants must be a US citizen or US permanent resident at time of application. NRL is an equal opportunity employer. Send resume and references to:

Matthew J. Carrier
NRL Code 7321
Stennis Space Center, MS 39529

via e-mail: matthew.carrier@nrlssc.navy.mil



MINIMUM REQUIREMENTS

Security clearance is not required, but applicants must be eligible for a DoD Security Clearance.

JOB BENEFITS

The post doctorate programs at NRL offer benefits including health and life insurance.

NRL is an Equal Opportunity Employer
