



## **Oceanographic Data Analyst (Co-op OR Temporary Opportunity)**

**Reports To:** Research & Innovation manager

**Department:** Research & Innovation

**Position Type:** Full-time temporary

**Position Location:** Victoria, BC / WFH

### **Purpose of the Role**

Rockland Scientific Inc. is a growing, privately held company, with headquarters in Victoria, British Columbia, Canada. Our core purpose is to enable scientific progress by creating novel & technologically superior oceanographic measurement solutions that help scientists understand ocean mixing & climate change. Our main customer base are researchers within the fields of oceanography and limnology, focusing on climate research, deep-sea research, and coastal zone dynamics. Rockland is the foremost manufacturer of marine turbulence measurement systems for oceans, rivers, lakes, and laboratories and we pride ourselves in being the experts in our field. Rockland solutions enable our customers to be successful in their data collection goals.

At Rockland Scientific, we welcome all ages, races, gender identities, sexual orientations, cultures, religions, and beliefs. Our commitment lies in appreciating the unique skills and perspectives that each person brings to our team. We are dedicated to fostering a secure, supportive, and inclusive environment where every employee can thrive.

### **Job Summary**

Rockland Scientific is offering an 8-month term contract for an oceanographic data analyst. The oceanographic data analyst is responsible for the investigation of models suitable for the observation of turbulence, the development of modeling framework to predict dissipation rates, and the analysis of data including but not limited to microstructure scalar, shear velocities, temperature, conductivity, velocity, dissolved oxygen, and chlorophyll.

The ideal candidate for the role is a self-motivated individual, passionate about oceanography, and proficiency working independently and in a team. Demonstrated analytical thinking and programming abilities (Matlab, Python, and/or Julia) are essential for this role.



### Functional Accountabilities

The oceanographic data analyst will be contributing to Rockland's effort in generating oceanographic models and developing data analysis and visualization tools for various projects, specifically for microstructure turbulence and its ancillary data. The role will take part in ongoing projects of Rockland's research and Innovation team:

- Familiarizing oneself with existing Rockland software tools
- Investigate various oceanographic models and their suitability for predicting accurate dissipation rates.
- Developing methods and tools to analyze and improve best practices on the processing of microstructure turbulence data and its ancillary data.
- Contributing to research into quality control and testing mechanisms for scalar and velocity shear probes

### Position Qualifications & Requirements

- Demonstrated interest and experience working with models and observational datasets, preferably in environmental science, oceanography, physics or other relevant fields.
- Demonstrated solid background and proficiency in time series processing, Fourier analysis, etc.
- Proficiency in programming environments like Python, Julia, and/or MATLAB
- Experience with data management, visualization and processing
- Strong technical writing and documentation skills

### Working Conditions

- 40 hours per week
- Independent work with supervision from team members
- Partially on-site position with the possibility of remote work

### What we offer

- Full-time employment for 8-months, with potential for extension
- Salary is between \$28 - 32 per hour, based on experience and skill level
- Opportunities to take part in job-related training and development
- Join a diverse team making a difference in the scientific field to understand climate change
- Free accommodation for out-of-town visits at the guest house ("The Haus") located on the Rockland property.

### Apply



If you are interested in applying please send your resume and cover letter to:  
[hr@rocklandscientific.com](mailto:hr@rocklandscientific.com) using "**Oceanographic Data Analyst Temporary Role – First Name  
Last Name**" as a subject line.