

High Latitude Ocean Studies #2

PROJECT DESCRIPTION

The high latitude oceans are evolving, including temperature, salinity (including from river runoff and glacial), winds and sea ice. This evolution will have important consequences from their functioning, as well as the role they play in the climate system. Thus it is important to understand these key physical processes that describe how the high latitude oceans will evolve. Any intern working on this project will work with historical observed ocean data and/or the output from high resolution numerical ocean/sea-ice general circulation models, to analyze key processes and their variability. Work will generally be carried out using computational scripts written in either fortran or matlab for analysis and visualization purposes.

FACULTY-DEPARTMENT

Science - Earth and Atmospheric Sciences

DESIRED FIELD OF (STUDENT) STUDY

Some combination of Math, Physics, Computer Science, Engineering, Oceanography, Atmospheric Science. Actually having experience with oceanography or atmospheric science less important than strong mathematical/physics/computational skills.

INTERNSHIP LOCATION

University of Alberta Main Campus - Edmonton

NUMBER OF INTERNSHIP POSITIONS

2

INTERNSHIP START DATE

July 4, 2018

INTERNSHIP END DATE

October 4, 2018

ARE THE DATES FLEXIBLE?

Yes, I am flexible regarding the internship dates. Selected students can contact me to request a date change.

Contact: Brendan Cavanagh, Internship Coordinator (Inbound)
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