Earth Syst. Sci. Data Discuss.,
https://doi.org/10.5194/essd-2020-43-RC2, 2020

Open Access Earth System Science Data Discussions

Interactive comment on "A comprehensive oceanographic dataset of a subpolar, mid-latitude broad fjord: Fortune Bay, Newfoundland, Canada" *by* Sebastien Donnet et al.

Vladislav Petrusevich (Referee)

vlad.petrusevich@umanitoba.ca

Received and published: 3 May 2020

The study presents an interesting new dataset and initial analysis of physical oceanographic and meteorological data for Fortune Bay, Newfoundland, Canada from several oceanographic moorings and land-based tide gauge and weather stations. The record covers two years of deployment (2015-2016). There was proper quality assessment and quality control performed all the instruments and the acquired data. The quality control properly addressed the ADCP tilt issue that could affect the quality of ADCP acquired data. There was conducted in-situ comparisons between CTD profiles and the mooring data. ADCP velocity data was complemented by processing raw ADCP

Printer-friendly version

Discussion paper

backscatter to volume backscatter strength (VBS) using an updated procedure by Mullison (2017), which can be used for future studies of sediment transport or zooplankton dynamics. I can confirm that the paper is well written, data is well organized, quality control and limitations are properly addressed. I agree with another anonymous referee, that section 3.2 should be moved either to the introduction or to the discussion sections. The data is made available in an open-access online repository as NetCDF files, which is a commonly accepted format for the sharing of array-oriented scientific data. I would recommend its publication in ESSD.

Interactive comment on Earth Syst. Sci. Data Discuss., https://doi.org/10.5194/essd-2020-43, 2020.