

Interactive comment on “Half-hourly changes in intertidal temperature at nine wave-exposed locations along the Atlantic Canadian coast: a 5.5-year study” by Ricardo A. Scrosati et al.

Anonymous Referee #1

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Dear Editor Giuseppe M.R. Manzella, I am pleased to send the revision of the manuscript entitled “Half-hourly changes in intertidal temperature at nine wave-exposed locations along the Atlantic Canadian coast: a 5.5-year study” by Scrosati, Ellrich, and Freeman. The work is described with clarity and easily understandable. I found the results and conclusions relatively straight-forward and the manuscript as a whole in good shape.

As the authors highlight, there is a great lack of this type of information in intertidal rocky areas. This long data set on spatial and temporal patterns in intertidals can be useful in a climate change scenario to predict community changes and generate advances in

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coastal oceanography. I therefore recommend publication following a minor revision.

Minor revisions: L 47: Add comma after author. L 82: I would like the authors incorporate some information of mean tidal amplitude. L 138-139 and L141-143: Detail of summer and winter month and years sampled must be moved to Methods. L 146: Authors could incorporate information of cold and warm near shore currents in the study area to highlight the results showed. L 185: Delete “for convenience, July, August, and September” L 196: Delete “for convenience, January, February, and March” Figure 2: Increase y-axis title size

Interactive comment on Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2020-161>, 2020.

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