

**Review on Revision #2** of (formerly) “The diurnal evolution of oceanic boundary layer beneath early-frozen landfast ice in Prydz Bay, East Antarctica”

now changed to:

**“Annual evolution of ice-ocean interaction beneath landfast ice in Prydz Bay, East Antarctica”**

by Hu et al. (2022/2023)

March 31, 2023

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The resubmitted manuscript again shows some immediately noticeable changes & inherent improvements compared to the previous versions. The authors have addressed most of the comments on the clarity and completeness of Figures presented, and have also seen fit to publish the datasets quickly. Good!

In its present state, I have no further objection to its publication after a few remaining revisions. I have refrained from making a full assessment of the technical and grammatical status of the manuscript (this should take place during proofreading and technical checks of the team at TC), but all in all these corrections should be rather minor.

Similar to my last report, I have noted some remaining comments below. I would appreciate some clarification on these, but I do not need another round of review.

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### **General & specific comments**

- In Ch.2.1 & 2.2: You listed weblinks as references for the individual instruments. Firstly, I would assume that the journal will require to move these to the reference section, i.e., in a more appropriate format. Secondly, as “references” I rather had published studies or reports in mind that contain/list technical specifications, data formats & examples, etc., but in case those do not exist, weblinks could be sufficient.
- Fig.1 (caption): “False-colour satellite image (...)”
- L.127: “Advanced Microwave Scanning Radiometer 2 (AMSR2)” (use capital letters)
- L.339: “...which provide more details and insights for the readers and communities...” – instead of addressing different persons/groups here (I would omit this phrase), try to focus on the benefits in terms of resolvable processes that are enabled by using/showing this higher temporal resolution. In other words, more details *of what* and *compared to what* exactly?
- L.351: “relative studies” → do you mean “related studies” here? I haven’t read this wording yet, but it could certainly be correct as well.