

Interactive comment on “Satellite ice extent, sea surface temperature, and atmospheric methane trends in the Barents and Kara Seas” by Ira Leifer et al.

Ira Leifer et al.

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Dear Jennifer Hutchinson,

We are pleased to submit responses to the discussion comments.

Please note that some of the new comments are very similar to the points that anonymous reviewer #1 had raised in the first version that we submitted, and which we had corrected (to the satisfaction of reviewer #1).

We appreciated the comments of Dr. Antonia Gambacorta and carefully addressed

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each concern including new data analyses. This is a lot of material and we propose to include it as a supplement in the manuscript.

In our response we include a figure on the fine size scale of the plumes observed in situ – but we don't think this adds to the science questions we pursue in the manuscript. The data are already being submitted with the manuscript if accepted, in table form and/or as an interactive data product – i.e., perhaps as Google Earth kml maps.

We look forward to your suggestions.

Thank you for your consideration and patience,

Sincerely,

Ira Leifer and Co-Authors

Interactive comment on The Cryosphere Discuss., <https://doi.org/10.5194/tc-2018-237>, 2018.

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