

Interactive comment on “Impacts of temperature and soil characteristics on methane production and oxidation in Arctic polygonal tundra” by Jianqiu Zheng et al.

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We thank the reviewer for her or his helpful comments and queries, as well as thoughtful discussion of water table effects on methane oxidation. To address concerns from both reviewers, we prepared a new figure illustrating the experimental workflow for a representative core (from a flat-centered polygon). Please see the comments to Reviewer #1 for a draft of this figure and description.

Detailed responses to the reviewer’s comments are included in the attached PDF.

Please also note the supplement to this comment:

C1

<https://www.biogeosciences-discuss.net/bg-2017-566/bg-2017-566-AC2-supplement.pdf>

Interactive comment on Biogeosciences Discuss., <https://doi.org/10.5194/bg-2017-566>, 2018.