

Interactive comment on “Diatom flux reflects water-mass conditions on the southern Northwind Abyssal Plain, Arctic Ocean” by J. Onodera et al.

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We greatly appreciate the review by anonymus referee #1 to improve our manuscript. The critical and constructive comments were really helpful to the manuscript revision. All our reply to the referee comments are prepared in the Supplement file. Please attached find the supplement PDF file in addition to the revised manuscript.

Based on the general comments by the referee #1, we newly prepared the information on the sea-ice motion by satellite observation and model simulation in the western Arctic Ocean for the study period. The additional sea-ice data and our interpretation on diatom flux at Station NAP are not contradict. The difference of this paper from Watanabe et al (2014) was additionally mentioned in the Introduction.

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Please also note the supplement to this comment:
<http://www.biogeosciences-discuss.net/11/C8128/2015/bgd-11-C8128-2015-supplement.pdf>

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