

## ***Interactive comment on “Reconstructing Holocene temperature and salinity variations in the western Baltic Sea region: A multi-proxy comparison from the Little Belt (IODP Expedition 347, Site M0059)” by Ulrich Kotthoff et al.***

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Received and published: 10 April 2017

The manuscript “Reconstructing Holocene temperature and salinity variations in the western Baltic Sea region: A multi-proxy comparison from the Little Belt (IODP Expedition 347, Site M0059)” by Kotthoff et al., presents new and a large array of proxy data from IODP Expedition Site M0059 covering most of the Holocene period. The study is methodologically sound, the results are significant, and the interpretation is well justified. The manuscript is very clearly written and supported by good quality figures. The manuscript makes several very valuable contributions

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to the palaeoenvironmental understanding of the last 8 kyr in the western Baltic Sea by using coupled ocean and atmospheric multi-proxy data. Overall, I would strongly recommend this manuscript for publication in Biogeosciences journal with very minor modifications in response to my comments on the pdf. Yours sincerely, Filipa Naughton

Please also note the supplement to this comment:

<http://www.biogeosciences-discuss.net/bg-2017-101/bg-2017-101-RC1-supplement.pdf>

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Interactive comment on Biogeosciences Discuss., doi:10.5194/bg-2017-101, 2017.

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