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Interactive comment

# Interactive comment on "Composition and Vertical Flux of Particulate Organic Matter to the Oxygen Minimum Zone of the Central Baltic Sea: Impact of a sporadic North Sea inflow" by Carolina Cisternas-Novoa

### Carolina Cisternas-Novoa

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We thank Dr. Tom Jilbert for reviewing our manuscript. Detail answers to the comments are provided below and in the attached pdf.

In this study the authors use a wide range of analyses to investigate the vertical structure of suspended and sinking particulate matter composition in two stratified basins of the Baltic Sea following the MBI of 2014-2015. The data set is large and interesting, but I concur with the first reviewer's assessment that the study lacks a clear

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for his useful comments and corrections. We fixed all the mistakes pointed out and

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"compounds" to "components of POM" Line 597: Nisken bottle, not CTD AR: We

replaced CTD by Niskin bottle Table 2: should the units be "cells/mL)"? AR: We modified how we showed the units to (cell ml-1) Fig. 4: are these all the sampling depths for MnOX-like particles? If samples from other depths were studied but yielded zero particles, these should also be included in the plot AR: We added all values to figure 4, included the depths with low abundance or zero particles

Please also note the supplement to this comment: https://www.biogeosciences-discuss.net/bg-2018-360/bg-2018-360-AC2-supplement.pdf

Interactive comment on Biogeosciences Discuss., https://doi.org/10.5194/bg-2018-360, 2018.

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