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Interactive comment on "Study on organic matter fractions in the surface micro layer in the Baltic Sea by spectrophotometric and spectrofluorometric methods" *by* Violetta Drozdowska et al.

Anonymous Referee #3

Received and published: 5 May 2017

The manuscript titled "Study on organic matter fractions in the surface microlayer in the Baltic Sea by spectrophotometric and spectrofluorometric methods" by Drozdowska et al add to our knowledge about optical parameters of the microlayer and surface layer. In my opinion, it is a step towards remote sensing of microlayer properties, something that would be extremely helpful for studying its effect on air-sea interaction fluxes. I believe the manuscript documents well what and how has beed measured. I recommend publishing it after minor revision.

The open review process of the EGU journals has both advantages and disadvantages.

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However, the fact that I see the previous two reviews makes it easier for me because I do not need to repeat what has already been told. So agreeing with most of the commands of my respectable anonymous peer-review colleagues, I will just comments on thing which I did not see in their comments.

The fluorescence intensities A, C M and T should be explained in the abstract. Something simple like “fluorescence intensities at Coble classification peaks" should be enough to give some hint to the reader what they are.

Units in the figures should be presented in [ ] braces.

Date format in Table 1 is certainly not something most English native speakers will recognize. Because of the US/UK dichotomy (09/11/2001 versus 11/09/2001), I suggest using month names explicitly (11 September 2001).

The hyphen in “October’2015” is not necessary (at least in two places). One uses it only to shorten the year (October ‘15).

I commend the authors for using unitless practical salinity (as all the relevant standards have it). However, the word "practical" should be added somewhere before salinity to make it obvious that the salinity was not absolute.

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