

# ***Interactive comment on “The organic sea surface microlayer in the upwelling region off Peru and implications for air–sea exchange processes” by A. Engel and L. Galgani***

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Engel and Galgani present a detailed data set collected from the SML and underlying waters in the upwelling region off Peru. The data provided add to our understanding of the structure and potential function of the SML. The key finding is the obvious link between increased upwelling-induced biological activity and enrichment in the SML.

I have a few very minor edits that should be addressed before final publication.

Abstract – the abstract is well written but it must also include a summary of the major findings and conclusions.

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Page 10581 L 19 “Processes determining organic...” this statement needs a reference.

Page 10582 L 11 change sentence “all long the year.” this does not make sense.

Page 10582 L 21 change sentence “drove our attention..” again, this does not make sense.

Page 10591 your conclusion about the inverse relationship between temperature and organic compounds – is this a direct temperature effect or the effect of the upwelling system? I suspect the latter but please clarify.

Page 10584 L4 this statement needs a reference.

Page 10597 L 22 “more independent of wind speed..” this does not make sense, re-write the sentence.

Table 2. bacteria and phytoplankton abundance check units – e.g. should it not be  $4.5 \times 10^4$ ?

Figure 6. Add the key to the acronyms on the x axis.

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**BGD**

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