

Interactive  
Comment

## ***Interactive comment on “Effect of increased $p\text{CO}_2$ on early shell development in great scallop (*Pecten maximus* Lamarck) larvae” by S. Andersen et al.***

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This is not a full review, just an open comment providing some suggestions on this interesting manuscript.

- The unit for partial pressure of  $\text{CO}_2$  in seawater is  $\mu\text{atm}$ , not ppm which is a unit of concentration.
- The method and buffers used to measure pH and total alkalinity should be added.
- It is absolutely essential to mention the pH scale used ( $\text{pH}_{\text{NBS}}$ ,  $\text{pH}_{\text{T}}$ ,  $\text{pH}_{\text{f}}$  or  $\text{pH}_{\text{SWS}}$ ) every time a pH value is reported (see Pesant et al., 2010).

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- Finally, *Biogeosciences* strongly promotes the full availability of the data sets reported in the papers that it publishes in order to facilitate future data comparison and compilation as well as meta-analysis. This can be achieved by uploading the data sets in an existing database and providing the link(s) in the paper. Alternatively, the data sets can be published, for free, alongside the paper as supplementary information. The ascii (or text) format is preferred for data and any format can be handled for movies, animations etc...

I hope that the authors will find these comments useful.

### Reference cited

Pesant S., Hook L. A., Lowry R., Nisumaa A.-M. & Pfeil B., 2010. Safeguarding and sharing ocean acidification knowledge. In: Riebesell U., Fabry V. J., Hansson L. & Gattuso J.-P. (Eds.), *Guide to best practices for ocean acidification research and data reporting*, pp. 243-258. Luxembourg: Publications Office of the European Union.

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