

Interactive comment on “The MAREDAT global database of high performance liquid chromatography marine pigment measurements” by J. Peloquin et al.

Anonymous Referee #2

Received and published: 13 February 2013

The MS is highly valuable and can be published after minor revisions.

What I miss most is more about putting the database into context of current findings. Several of the authors in this paper have contributed to several review chapters in the books presented below. Would be nice to put the database findings into new findings regarding chlorophylls, carotenoids, phycobiliproteins, mycosporine-like aminoacids, new views regarding functional groups of phytoplankton and lastly pigment functionality. Likewise, quality assessments have been addressed in chapters in the book by Roy et al. 2011 - would be nice for the reader to have a complete overview and put the findings presented into future scenarios. Eg. Table 2 - any new key diagnostics

C383

pigments to be included? This is discussed in Roy et al. 2011.

Roy, S., Llewellyn, C., Egeland, E. S., Johnsen, G. 2011. Phytoplankton pigments: Updates on Characterization, Chemotaxonomy and Applications in Oceanography. Cambridge University Press. Cambridge Environmental Chemistry Series. Cambridge, UK. Pp 845. ISBN: 978110700066-7

Babin, M., Roesler, C. S., Cullen, J. J. (eds). 2008. In Real-Time Coastal Observing Systems for Ecosystem Dynamics and Harmful Algal Blooms: Theory, Instrumentation and Modelling, Paris, France: UNESCO Publishing

Otherwise, this is excellent reading and information.

Interactive comment on Earth Syst. Sci. Data Discuss., 5, 1179, 2012.