

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

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We extend our appreciation to Referee #2 for their positive review of the data compilation effort. In terms of the context of our results - results which reflect evaluation of the quality, distribution and potential for scientific interpretation of the pigment data - the selection of ESSD for submission of the manuscript was appropriate, as the journal focuses itself on data description. Therefore, detailed reflection on the dataset’s potential beyond what is already given in sections 3-4 of the manuscript is more appropriately reserved for a follow-up publication. Further, in our Discussion the reader is consistently referred to Ch. 6 (Higgins et al.) of the Roy et al. 2011 volume mentioned by

Referee #2 for more detailed information on new pigment associations. Up-to-date reference for the most commonly used pigments in quantitative chemotaxonomic analysis are currently provided in our Table 2. Many of the less commonly measured MARE-DAT pigments (i.e., those not represented in figures 7-9) are discussed in Higgins et al. (2011) and in many cases may provide additional taxonomic information, but such info was deemed too extensive to reproduce within the ESSD manuscript.

However, at Referee #2's suggestion, in section 2.1 of our resubmitted manuscript we provide reference to the Van Heukelem and Hooker (2011) chapter 5 in Roy et al. on HPLC quality assurance.

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

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