

***Interactive comment on “Isotope fractionation between dissolved and suspended particulate Fe in the oxic and anoxic water column of the Baltic Sea” by M. Staubwasser et al.***

**M. Staubwasser et al.**

m.staubwasser@uni-koeln.de

Received and published: 25 July 2012

Reply to Frank Poitrasson

We thank Dr Poitrasson for his helpful review of our manuscript. Dr Poitrasson raises a number of issues that we would categorize as follows: 1) lack of general information on Baltic Sea hydrography and particle flux; 2) concerns related to the general redox structure of the Eastern Gotland Basin (in comparison to the Black Sea and Norwegian Fjords); 3) the sources of Fe; 4) the distribution of Fe<sup>2+</sup> and Fe<sup>3+</sup>; and 5) analytical issues regarding reproducibility and blanks. There are additional specific comments.

Please find our detailed response in the attached file.

C2732

Please also note the supplement to this comment:  
<http://www.biogeosciences-discuss.net/9/C2732/2012/bgd-9-C2732-2012-supplement.pdf>

---

Interactive comment on Biogeosciences Discuss., 9, 4793, 2012.