Interactive comment on “Dissolved Fe across the Weddell Sea and Drake Passage: impact of DFe on nutrients uptake in the Weddell Sea” by M. B. Klunder et al.

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Dear Referee’s, Editor, Public,

Please find included my response to the comments on the manuscript, the revised manuscript and two new Annexes (combined in .zip file). Moreover, please find several of the figures in improved version.

Best regards,

Maarten Klunder (on behalf of all authors).

Please also note the supplement to this comment:
http://www.biogeosciences-discuss.net/10/C5832/2013/bgd-10-C5832-2013-supplement.zip

Interactive comment on Biogeosciences Discuss., 10, 7433, 2013.
Fig. 1.

C5834

Fig. 2.

C5835
Fig. 5.

[Graph depicting POC export (nmmol m$^{-2}$ d$^{-1}$) against longitude (°W).]

- DFe (integrated upper 100m)
- Fluorescence (upper 100m)
- POC export (through 100m depth) [Rutgers van der Loeff et al., 2011]

Fig. 6.

[a] Nitrate depletion (mmol m$^{-2}$)
[b] Phosphate depletion (mmol m$^{-2}$)
[c] Silicate depletion (mmol m$^{-2}$)
[d] N:Si depletion
[e] P:Si depletion
[f] N:P depletion

[Graphs showing depletion levels at different weighted average DFe (nM) concentrations.]
Fig. 7.