

Interactive
Comment

Interactive comment on “UV/PAR radiations and DOM properties in surface coastal waters of the Canadian shelf of the Beaufort Sea during summer 2009” by J. Para et al.

PK Kowalczyk

piotr@iopan.gda.pl

Received and published: 22 November 2012

Your protein component C3 is rather autochthonous than allochthonous. C3 does not correlate with salinity as shown on Fig10. Please correct the explanation in Table 3.

Section 3.2.2 Authors have written that: "The Ex/Em maxima of component 1 (C1) are close to the marine humic-like (M peak) proposed by Coble (1996) and has been reported to be a ubiquitous component derived from the microbial degradation of phyto25 plankton by-products (Nagata, 2000; Stedmon and Markager, 2005; Zhang et al., 2009) and from specific Arctic terrestrial sources at low salinity (Walker et al., 2009)."

The terrestrial source of component similar to your component C1 was found not only
C5887

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper



in the Arctic but also is variety of places: in coastal and estuarine water in Japan (Yamashita et al., 2008), at the coast of the south-eastern USA (Kowalczyk et al., 2009) in Liverpool Bay (Yamashita et al., 2011) Hudson Bay (Guegen et al., 2011).

Interactive comment on Biogeosciences Discuss., 9, 15567, 2012.

BGD

9, C5887–C5888, 2012

Interactive
Comment

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper

C5888

