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Interactive comment on “Springtime phytoplankton dynamics in the Arctic Krossfjorden and Kongsfjorden (Spitsbergen) as a function of glacier proximity” by A. M.-T. Piquet et al.

Anonymous Referee #2

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The manuscript by Piquet et al. “Springtime phytoplankton dynamics in the Arctic Krossfjorden and Kongsfjorden (Spitsbergen) as a function of glacier proximity” is worth publishing. I did not find any information about the origin of the taxonomic groups of phytoplankton. Do the authors think that all the cyanobacteria and chlorophytes are marine? I doubt it. They may come from the terrestrial freshwater habitats, e.g., flows or snow. I found only some errors (below). The dominance of dinoflagellates compared to diatoms in terms of the number of species (=OTU) in spring Arctic phytoplankton is not usual and should be discussed.

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P19, L18: the glaciers (not with the capital). P20, L1: oceanic (not with the capital). P21, L1-2: Photoheterotrophic microbes in the Arctic Ocean in summer and winter; to correct. Table 2: Gyrodinium cf. gutrula; to correct. P34, L5: was based on; to correct.

Interactive comment on Biogeosciences Discuss., 10, 15519, 2013.

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