Interactive comment on “Iodine observed in new particle formation events in the Arctic atmosphere during ACCACIA” by J. D. Allan et al.

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Received and published: 4 December 2014

The reported detection of iodine in Arctic nanoparticles is an exciting one. As the authors suggest, a number of possible sources could be responsible - the ice-algal one is a strong candidate as in Antarctic ice. I would like to bring to the authors’ attention a couple of recent reports (see below) of algal release from melting Arctic ice in the previous year’s summer (2012). In particular, the Assmy paper shows images of brown-coloured ‘algal-aggregates’ observed in/collected from ice/ice-water (Fig. 2) and reports elevated iodide concentrations from these features (2-3 times that in surface water) (Figure S1). Were no observations made of discolouration in melting ice on the author’s own cruise?


Interactive comment on Atmos. Chem. Phys. Discuss., 14, 28949, 2014.