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Interactive comment on “Cesium, iodine and tritium in NW Pacific waters – a comparison of the Fukushima impact with global fallout” by P. P. Povinec et al.

Anonymous Referee #2

Received and published: 6 May 2013

The manuscript presents data on the distribution of ^3H , ^{129}I , ^{137}Cs on seawater samples collected in the NW Pacific Ocean in June 2011 during the US KOK cruise, 3 months after the Fukushima NPP accident. Authors provide a comprehensive discussion on the source terms of studied radionuclides, variations of their activities in environment following the atmospheric tests of nuclear weapons and the Chernobyl accident. The scientific significance of the manuscript is beyond doubt. The manuscript is well written and reported results can be useful for scientists working in various fields: ecology, application of radionuclides as tracers to study chemical and physical processes in the environment as well as modeling. I have found only a few minor points for the authors to consider for their final version.

C1541

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Spaces and hyphens between the words and numbers should be checked, e.g., P6380, L13; P6396, L11; P6398, L12-13.

P6392, L19. “high efficiency” instead of “large efficiency”.

P6395,L6., “source term” instead of “source-term”.

In Figure 6 sampling stations are designated only by numbers. It would be better to add the “St.” abbreviation (e.g., St. 4 . . . St. 40, as it is shown in Figs 2 – 4) and move them to the bottom right corner of the figures.

It would be useful to add a figure showing positions of sampling sites in the NW Pacific Ocean.

Font used in some of the figures is too small, I am afraid the text will not be recognized in the printed version of the article.

Interactive comment on Biogeosciences Discuss., 10, 6377, 2013.

BGD

10, C1541–C1542, 2013

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