

## *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.

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(1) Table 1 may be expanded to include the amount of radionuclides released from Tokai reprocessing facility and other radionuclides such as 14C, 134Cs and 90Sr, if possible.

Radionuclide releases from Tokai Reprocessing Facility were by several orders of magnitude lower than from Sellafield and La Hague plants, therefore we did not include them into Table 1. However, we shall mention this fact in the text with reference to the paper of Mizutani, T., Koarashi, J., and Takeishi M.: Monitoring of low-level radioactive liquid effluent in Tokai Reprocessing Plant, J. Nucl. Sci. Technol., 46, 665-672, 2009.

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We could not find suitable data sets for 14C and 134Cs, however, data for 90Sr will be included into Table 1.

(2) Station numbers mentioned in the text and inAgures are difinAcult to follow for the wider audience, therefore, a map showing those stations mentioned in the text may be added.

Yes, a map with corresponding station numbers will be included into the revised version of the paper.

(3) A few references on 129I in the PaciiňĄc may be useful to the authors. Shima et al. 2006. Distribution of anthropogenic radionuclides in the water column off Rokkasho, Japan. Radioactivity in the Environment 8, 83-95. Toyama et al. 2102. Variations of 129I in the atmospheric fallout of Tokyo, Japan: 1963-2003. Journal of Environmental Radioactivity 113, 116-122. He et al. 2013. A summary of global 129I in marine waters. Nuclear Instruments and Methods in Physics Research B. 294, 537-541.

Yes, these new references have been included into the revised version of the paper:

Shima, S., Gasa, S., Iseda, K., Nakayama, T., and Kawamura, H.: Distribution of anthropogenic radionuclides in the water column off Rokkasho, Japan. In Radionuclides in the Environment (Eds. P.P. Povinec, J.A. Sanchez-Cabeza), Elsevier, Amsterdam, 2006, pp. 83-95. Toyama, C., Muramatsu, Y., Uchida, Y., Igarashi, Y., Aoyama, M., and Matsuzaki, H.: Variations of 1291 in the atmospheric fallout of Tokyo, Japan: 1963-2003, J. Environ. Radioact., 113, 116-122, 2012. He, P., Aldahan, A., Possnert, G., and Hou, X.: A summary of global 1291 in marine waters, Nucl. Instrum. Methods Phys. Res. B, 294, 537-541, 2013.

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