

## ***Interactive comment on “Short-term dispersal of Fukushima-derived radionuclides off Japan: modeling efforts and model-data intercomparison” by I. I. Rypina et al.***

**P.p.p Povinec (Editor)**

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The manuscript has been improved, however, there are still a few points to be done:  
- Pls. look again on the reviewers comments from the first run – there are still missing details, e.g. your estimation of the  $^{137}\text{Cs}$  release rates should be described more deeply. . . - Read carefully new reviewers comments and respond accordingly.

Editor comments:

Background - As this is a modelling paper you should introduce, and critically discuss previous papers published on a similar topic – later you can explain why there are such big differences in the  $^{137}\text{Cs}$  marine source term - References on some previous  
C1317

papers are missing , eg. Kawamura et al., 2011, Journal of Nuclear...; Tsumune et al., 2013, Biogeosciences, the same issue...etc.

3.3 Source-term amplitude - eq. (1) – this is the crucial part of your paper – you should present results in the form of graphs (both for marine and atm. releases) - we need to see the minima which you describe in the text!

Fig. 9: - Why there is very good agreement between the theoretical and experimental data at the beginning, but later your model is predicting deep minima? (pls. change  $\text{KBq}/\text{m}^3$  to  $\text{kBq}/\text{m}^3$ )

Pls. prepare a finale version of the manuscript taking into account all comments posted on your paper.

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Interactive comment on Biogeosciences Discuss., 10, 1517, 2013.