

Interactive comment on “Inverse estimation of source parameters of oceanic radioactivity dispersion models associated with the Fukushima accident” by Y. Miyazawa et al.

Y. Miyazawa et al.

miyazawa@jamstec.go.jp

Received and published: 4 January 2013

Thank you for the review. Please find a supplement document describing our response to the review comments.

Interactive comment on Biogeosciences Discuss., 9, 13783, 2012.

C7022

Reply to Reviewer#1

We appreciate the useful comments for further improvements of the manuscript. In this reply, we show your comments (in italics) and our response comments (in bold).

<Comment-1>

page 13786, line 23: some text is missing after "... which for ^{137}Cs " (add the va

We will correct as follows:

‘A constant value $\lambda = \ln(2)/T_{\text{half}}$ ($T_{\text{half}} = 30.1\text{years}$) represents the decay effect of the radionuclide for ^{137}Cs .’

<Comment-2>

Equation 2: this represents the boundary condition of equation on the sea surface. Please add in the left side of equation 2 that the derivative of C respect to z is evaluated at z=0.

C7023

We will correct as follows: