



Interactive comment on “The fate of fluids released from subducting slab in northern Cascadia” by K. Ramachandran and R. D. Hyndman

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Paper is of great importance and I really liked the science in it.

I only wanted to suggest the following in order to make it more appealing not only to the ENTIRE serpentinitized mantle wedge community but also to the dis-believers of this- I recommend the authors to include some of the findings and the research conducted in the Mariana forearc mantle wedge region, where the following publications listed below are of relevance to the present study:

Savov, I. P., Ryan, J. G., D'Antonio, M., Fryer, P., 2007. Shallow slab fluid release across and along the Mariana arc-basin system: Insights from geochemistry of serpentinitized
C560

peridotites from the Mariana Forearc, J. Geophys. Res., doi:10.1029/2006JB004749.

I think the Marianas reveal some key similarities and differences with the Cascadia. On the other hand, exploring the differences may be connected with the dramatically different thermal structures in these regions.

Please include the serpentinitized Mariana forearc mantle wedge in your discussion.

Good luck!

Interactive comment on Solid Earth Discuss., 3, 943, 2011.