

***Interactive comment on “Can seafloor voltage cables be used to study large-scale circulation? An investigation in the Pacific Ocean” by Neesha R. Schnepf et al.***

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Received and published: 30 November 2020

We sincerely thank the reviewer for these recommendations; however, we decided such work is beyond the scope of the current paper. Instead, in our Results and Discussion section, we acknowledge this:

“The qualitative comparison of the induced voltages and water transports along the cables, as presented in this paper, could be made more exact by applying the Principal Component Analysis/ Empirical Orthogonal Functions methodology. When applied only to the water transports provided by different ocean models, it could reduce the burden of calculating a detailed 3-D EM response to each model, and allow a more

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focused interpretation of the observed voltages. We plan to carry out such analysis in the future.”

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Interactive comment on Ocean Sci. Discuss., <https://doi.org/10.5194/os-2019-129>, 2020.

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