

Interactive comment on “Seiche excitation in a highly stratified fjord of southern Chile: the Reloncaví fjord” by Manuel I. Castillo et al.

Anonymous Referee #3

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The manuscript “Seiche excitation in a highly stratified fjord of southern Chile: the Reloncavi fjord” describe a project where harmonic oscillations in a semi-enclosed system is analyzed using observational data and an analytical model. I agree with the earlier reviewers. Both that the work is well done and worth publishing, and the suggestions for improvement. To that I would add two more:

1. It would be useful is the principles around fjord seiches is described in more detail, preferable with a conceptual cartoon. It would also be good if the theoretical calculation of expected oscillations were coupled to the the cartoon.
2. Present the resulting harmonic frequencies better and discuss the relative contribution of different sources more clearly. You discuss the effect of tides etc but it's not easy to contrast them to seiches. A table would be preferable.

C1

Interactive comment on Ocean Sci. Discuss., doi:10.5194/os-2016-42, 2016.

C2