

Interactive
Comment

Interactive comment on “Seasonal hydrography and surface outflow in a fjord with deep sill: the Reloncavi fjord, Chile” by M. I. Castillo et al.

Anonymous Referee #2

Received and published: 22 December 2015

General comments:

Although quite descriptive, this manuscript provides a comprehensive vision of a fjord from southern Chile. However, a wider perspective is missing. A comparison with well known fjords from the northern hemisphere would be advisable.

Specific comments:

It would be interesting to see a discussion about (a) the representativeness of the weather station and (b) a comparison with respect to local (fjord) wind versus regional wind field and their relative contribution to the fjord circulation. An interesting topic is the low oxygen concentration observed during some months of the year. The author analyzes this situation from a physical perspective but no attention is paid to (seasonal)

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biological processes, considering the impact of salmon and mussels farming and the contribution of organic carbon sources.

Technical comments:

The English is understandable but there are many grammatical errors in the text. Some paragraph and sentences need to be rewritten to improve the manuscript and make the reading more fluent. Figure captions need to be checked. For instance, Fig. 2 describes a wind-rose but there is no wind rose there but a histogram; there is a b) panel which is not described in the caption, moreover, the legend of this panel includes "Cochamo river" but this color (white) does not appear on the graph.

Please also note the supplement to this comment:

<http://www.ocean-sci-discuss.net/12/C1337/2015/osd-12-C1337-2015-supplement.pdf>

Interactive comment on Ocean Sci. Discuss., 12, 2535, 2015.

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