

Author's Response

The manuscript describes the diel vertical migration of macrozooplankton in Patagonian fjords based on a comprehensive data set. Although the scientific approach is not novel, the quality of the presented results is good and the results are well presented. I found several typos (see below) and encourage the authors to check the language of the manuscript carefully. In my opinion, Figure 10 does not say much and should be deleted. Otherwise I suggest to publish the manuscript in Ocean Science after minor revision.

We eliminated figure 10 from the text.

Minor comments:

L38 northern Patagonian fjord

We changed "north Patagonian Fjord" by northern Patagonian Fjord

L57 interchange with what?

We have edited the paragraph "Turbulence induced by tidal flow over the sill apparently enhances the interchange of nutrients and oxygen concentrations with the surface layer, creating a productive environment for many marine species, where prey-predator relationship might be favored."

L58 please rephrase "fruitful environment!

We replaced "fruitful" by "productive"

L100 ... and these turbulent eddies ...

We changed the sentence "and turbulent eddies" by "and these turbulent eddies"

L104 will be addressed

We replaced "will be address" by "will be addressed"

L105 (e.g., temperature, ...)

We replaced "e.g., Temperature, ..." by "e.g., temperature, ..."

L112 "Dead Zones"

We replaced "Dead zones" by "Dead Zones"

L128 Patagonia

We replaced "Patagonian" by "Patagonia"

L160 no comma after et al.

We eliminated comma.

L161/162 (0-10 m, 10-25 m, 25-50 m and 50-100 m)

We replaced "(200-50 m, 50-25 m, 25-10 m and 10-0 m depth)" by "(0-10 m, 10-25 m, 25-50 m and 50-100 m)"

L204 favors

We replaced "favor" by "favors"

L205 deepens

We replaced "deepen" by "deepens"

L221 fjord systems

We replaced "Fjord System" by "fjord system"

L257 reference not in the reference list, please check

We added the reference to the reference list.

"IOC, SCOR and IAPSO: The international thermodynamic equation of seawater
- 2010: Calculation and use of thermodynamic properties.
Intergovernmental Oceanographic Commission, Manuals and Guides No.
56, UNESCO, 196 pp, 2010".

L305 third ADCP

We replaced "thrid" by "third"

L310 are shown in Figures 5, 7 and 8

We replaced "were showed in figures 5, 7 and 8" by "are shown in Figures 5, 7 and 8"

L314 with 614.4 kHz frequency (...) was moored ...

We replaced "was 614.4 kHz frequency (...) was moored ..." by "with 614.4 kHz frequency (...) was moored ..."

L331 no comma after et al.

We eliminated comma.

L347 scatterers. (no comma)

We eliminated comma.

L393: zooplankter's (?)

We replaced "zooplankter's" by "zooplankton species"

L402 no comma after et al.

We eliminated comma.

L462 due to the presence

We replaced "due to presence" by "due to the presence"

L487 survey data

We replaced "surveys data" by "survey data"

L480 was moderate. (I am not impressed by the correlation)

We replaced "was high" by "was moderate"

L506 macrozooplankton

We replaced "macrozooplankton groups" by "macrozooplankton"

L532 turbulent kinetic energy (TKE)

We clarified the sentence

L542 regime

We replaced "regimen" by "regime"

Delete Figure 10

We eliminated figure 10 from the text.