

Dear Dr. Arévalo-Martínez,

We thank you and RC1 for the careful evaluation of our revised manuscript and for the positive assessment.

In response to the final comment, we have updated Figure S1 in the supplementary material. The previous example illustrating the ogive optimization method using EC CO₂ flux data has been replaced with an example based on sensible heat fluxes. The accompanying caption and description were also revised to ensure consistency with the revised manuscript.

We appreciate the editor's and reviewer's constructive comments throughout the review process and believe the revised manuscript is now suitable for publication in Ocean Science.