I have read through the replies from the authors to both referee, and found the revised manuscript clearer and better structured. Particularly, I am happy with the response to my comments (referee#1). I think there are no scientific issues to raise and the manuscript is ready for publication. Nevertheless there are still some typesetting issues that the authors should consider.

P3,l16: extra parenthesis
p3,l19: an atmospheric model
p4,l19-20: “In our case, the heat and water fluxes are linearly distributed over the whole mixed layer, the depth of which is given by the depth at which the vertical density gradient becomes negative.” → meaning not clear to much repetition (depth, which). Try to make shorter sentences.
P5, l26: thee
p15,l14 “to limit the discrepancies induced differences between by the different parameterizations.”
I dont understand the meaning of this sentence. Can you reformulate?