

## Comments:

- last sentence abstract: “*TARGET will be made available to the public and ongoing development, including a graphical user interface, is planned for future work.*” Shouldn't this be “**TARGET is available** to the public [...]” (see Code availability Section) ?
- P. 5, l.5-6: “*Ideally, meteorological data should be representative of a nearby urban site. However, the nearest airport weather station will suffice.*” In the reply to referee #1 you declared this sentence to be incorrect and that it will be deleted in the revised manuscript. So why is it still present?
- P.12 L. 7-9: “*Utop is estimated at the top of the UCL based on  $U_z$  using a logarithmic relationship. Utop is estimated at  $3H$  based on the observed wind speed at a nearby observational site (ideally an airport) using a logarithmic relationship.*” I do not think both sentences are valid???
- Chapter 6: In your reply to referee #2 you wrote “We clarify, at the beginning of Section 2.6, the reasons we chose the lake model, and in the limitations (Section 6) we will re-emphasize the inconsistency with OHM.”  
In Sect. 2.6 you write “*The simple water body model is used because the OHM-force-restore method can not be reliably applied to water surfaces.*” Which leaves the reader to guess why this is the case. Could you add an explanation or a citation to support this statement?  
Furthermore, according to your replies to referees #1 and #3, I did not expect to read the word “microscale” so often.

## Typos:

- P. 4, l. 9 “the enters” → “that enters”
- P.22 , l. 6 “[...] horizontal advection (inside or above) the UCL. [...]” remove brackets, as the sentence is not a full sentence without the content of the bracket.