

Dear Authors,

Thank you very much for the thorough revision of your manuscript after the second round of reviews. I believe your work is now much better justified, and results are much better quantified. Therefore, I'm happy to accept your manuscript for publication. I have added below a few small minor corrections, which I suggest that you resolve during the upcoming publication process.

Sincerely,
Johan Meyers

We thank the associate editor for their work throughout this process and we are pleased that the manuscript has been accepted for publication.

Technical corrections

1. line 24: can be very widely based

The sentence beginning on line 24 has been changed to:

"The dynamics of terrain-induced flow phenomena vary based on the time of the day..."

2. line 43: I would suggest to replace "unique high-fidelity simulation ..." with "unique turbulence-resolving simulation ..." I know that high-fidelity is used a lot in the community, but in fact this is a bit self-aggrandizing, and not necessarily 100% objective

"Unique high-fidelity simulation" has been changed to "unique turbulence-resolving simulation".

3. Line 45. It is probably correct to also refer to ADM-R of the group of Porte-Agel (BLM 2011) who were, I believe, the first to elaborate this type of approach in detail

Thank you for bringing this to our attention. We have included a citation to Wu and Porté-Agel (BLM 2011) in this sentence.

4. line 121: I suggest to remove the acronym IOP; it is only used once after being defined on line 94

The acronym IOP at line 94 has been removed and line 121 now uses the phrase "intensive operation period".