

Comments to the Author:

One of the original reviewers has considered the revised manuscript. That reviewer had one minor comment that they would like to see addressed.

L508: Clarify at the start of this paragraph that the misrepresentation of the nocturnal boundary layer is a common issue for atmospheric models. Due to the smaller turbulence scales at nighttime than at daytime, a smaller grid spacing is usually required, as clarified in the response to my original review. And that gives authors the intuition that the REF grid spacing may be too coarse.

The comment is addressed at the beginning of the paragraph in the revised manuscript.

(L508-510)

Please address this comment in a revised manuscript and, if adequately addressed, this paper will be suitable for publication.

The marked-up manuscript version showing the changes highlights many numbers, because they were put into math mode. Furthermore, the sections “code and data availability” as well as “author contributions” have been revised, which is not highlighted by latexdiff.