

Response to the Editor

Dear Editor,

We sincerely thank the editor for their time and effort in conducting a third review, as well as for their valuable comments. The comments and suggestions from editor have been carefully addressed in the revised manuscript.

Accordingly, we hereby submit the revised manuscript and the corresponding diff version, along with our responses to the comment from the editor. In our replies, all line references correspond to the final tracked-changes version of the manuscript.

Audrey Teisseire & co-authors.

1) in the updated manuscript the station Payerne is mentioned for the first time while verifying the IFS temperature. The reason why Payerne is chosen is never mentioned. This needs to be clarified in the manuscript.

1) We added in lines 125-128 : "The Payerne radiosonde station (46.813°N, 6.944°E, 491 m a.s.l) was selected for comparison with the IFS data from Eriswil as it is the nearest operational meteorological sounding station, providing the most representative in-situ vertical profile observations for the study area."