

Author Response to Referee Comment 2

We would like to thank the referee for their careful consideration of our manuscript. Our response is given below, with the comments made by the referee indicated in italics.

My only concern is that some figures that provide a clearer view of the case are located mainly in the appendix (Figures D4, E1, E4), which somewhat underestimates the importance of the study because they are not present in the main body of the paper.

As suggested by the referee, several figures currently presented in the appendix will be moved to the main body to improve clarity and readability. In particular:

- Figure D4 provides a concise example of how the isolation forest does not suffer from event masking as opposed to the STA-LTA trigger, and will be moved to the Illgraben case study in the main body of the paper to illustrate this point.
- To improve readability of the manuscript, the dendrogram currently depicted in Figure 3 of the main body of the paper will be moved to the appendix and replaced with representative example waveforms of the clusters, including Figure E1. In addition, figures such as Figure E4 will be moved to this section to illustrate how the labels were obtained.