

Referee Comment #1

The Authors have comprehensively responded to the previous reviews and have addressed all the issues satisfactorily. This has improved the manuscript to the expected level. There are a few minor and technical details that remain, which I suggest addressing before the manuscript publication.

Comments

- P3L68: “ten additional stations (D154-D063)”. Probably the author meant “D154-D163”
Yes, this was a typing error. We meant “D154-D163” as suggested. Thanks for pointing this out.
- P12L244: “... based on the maximum curvature of the FMD.” It misses the paper citation of the method (Wiemer, S. and M. Wyss (2000). “Minimum Magnitude of Completeness in Earth-quake Catalogs: Examples from Alaska, the Western United States, and Japan”. BSSA). This comment is also valid for Figure 6 and A6 captions.
We now included a reference to Wiemer and Wyss (2000) at the three locations mentioned above.
- P25L405: “amplitudes on the vertical channels ...” should be corrected in “... amplitudes on the horizontal channels ...”
Thanks for pointing out this error. We changed “vertical” to “horizontal” in this sentence.
- I suggest the authors homogenize the X-axis plot limits of Figure 6 and A6 to have a straightforward comparison between magnitude scales. I finally recommend authors include both ML and Mw in the distributed catalog file.
Figure A6 now has the same X-axis limits as Figure 6 to make the comparison between both figures easier. The final catalogue in the data repository contains both ML and Mw.
- The DOI provided <https://doi.org/10.5880/fidgeo.2023.024> is currently not working (last try on August 25th, 2023). Please provide a functioning DOI link for the repository (catalog and codes) upon publication.
Our data repository manager recommended we wait for the ‘accepted’ status before publishing the dataset, because it is not possible to make any changes after publication. We are sorry for the confusion. As soon as the manuscript is accepted for publication, we will activate the link to the dataset.