Comment on egusphere-2022-304
Damien Delvaux (Referee)


Comments on the preprint « The Luangwa Rift Active Fault Database and fault reactivation along the southwestern branch of the East African Rift” published by Wedmore et al.

I appreciate this work and the attempt to determine the quaternary fault architecture of the Luangwa Rift and to evaluate the potential seismic hazard.

You may consider also the work by Delvaux et al. (2012) on the segmentation and scarp height of the Kanda fault in the Rukwa rift.


In this work, we stress the importance of field measurement of the scarp height. We found that the local fault morphology might influence the calculated scarp height. This means that the selection of the site for performing the fault scarp profile is important and difficult to perform on the basis of remote sensing only. The question is thus how did you selected the sites for extracting scarp profiles and how did you took into consideration the local geomorphology associated to the fault?