Comment on egusphere-2022-369
Charlotte Botter (Referee)


General comments:

Clearly written paper with a distinct main aim. To understand how the differences in interpreting seismic data can affect the estimation of geological slip rates, hence seismic hazards. The paper uses the solution developed by Suppe et al., (2004) on two seismic datasets.

The two case studies are clear representation of the method used and limits of defining quantitative and precise values based on seismic interpretation, especially when the data quality if overall low. I think this paper raises very well the fact that uncertainties should always be accounted for when presenting any type of results, especially when based on seismic interpretation.

Specific comments:

In section 3.11 l113 make sure on how you computed the standard deviation/uncertainty (is it based on few measurements or PDFs?)

Section 3.2 l139: can you precise what do you mean by ‘claimed to be decided based
Technical corrections

Well written and I could not find any typos.