

Answer to anonymous referee #2:

I am happy with the revised manuscript, which has improved a lot. I am pleased to recommend publication. Please deal with the small number of technical corrections in the process to follow.

L30 remove full stop

L150 this -> these

L234 Please add ALCAPA explanation for completeness.

L292 Fig -> Figs

L380 show -> shows

L386 shows thus -> thus shows

L393 Fig -> Figs

L420 orientation -> orientations

L485 & 493 Fig -> Figs

L516 indicate -> indicates

L528 & 533 Fig -> Figs

L552 to0 -> too the publication of this paper following a moderate revision.

We thank the anonymous referee #2 for his/her technical corrections, we have implemented them as suggested.

Table 2: is there a reference for 130 GPa of Young's modulus in the lithospheric mantle?

Table 2: Since the Young's modulus of the lithospheric mantle is only roughly estimated, there is no reference for this value.