

Interactive comment on “The seismogenic fault system of the 2017 M_w 7.3 Iran-Iraq earthquake: constraints from surface and subsurface data, cross-section balancing and restoration” by Stefano Tavani et al.

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Comment. Plot the striation corresponding to the co-seismic slip line deduced from the focal mechanism on the stereoplot of Fig.1 Response. OK

Comment. Add orientation of the section on Figure 6 Response. OK

Comment. P8 L14, P12 L18, P13 L2 : change whose (for person) into which (for object) Response. OK

C1

Comment. P14 L6-7 : it would be fair to acknowledge, hence to cite here the paper by Lacombe and Mouthereau Tectonics, 2002 entitled : Basement-involved shortening and deep detachment tectonics in forelands of orogens and which therefore fully meets the topic of crustal decollement in deformed forelands. Response. OK

Comment. P15 L10 : SW instead of SE ? Response. Yes, it is SW

Comment. P15-16 : The age of the inherited normal faults is now discussed in more detail than in the previous version, but still fails to explain thickness variation of pre-Permian Paleozoic strata. Response. OK. Thickness variation is inferred from a mid-Paleozoic unconformity seen in some seismic sections, including that in figure 5 (below the Miringeh Anticline, at a depth of 2.6-3 seconds). This will be indicated in the new version of figure 5 and it will be mentioned in the text

Comment. P16 L8 : I would change into ‘includes a likely mid-crustal decollement’ Response. OK

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