

Interactive comment on “Seismic and sedimentological evidence of an early 6th century AD earthquake at Lake Ohrid (Macedonia/Albania)” by B. Wagner et al.

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In their manuscript "Seismic and sedimentological evidence of an early 6th century AD earthquake at Lake Ohrid (Macedonia/Albania)", Wagner et al. present seismic and core data of a mass wasting deposit that can be related to a historic earthquake. They show that Lake Ohrid potentially recorded many earthquakes in the past, and that a long core drilled in the near future could help to unravel the paleoseismicity history in that region. Even though the core containing the mass wasting deposit could not be dated directly, a correlation with neighboring cores and cores from nearby Lake Prespa could be used to develop a strong age control. This manuscript is clearly written and

the objectives are well exposed. Given that Lake Ohrid is located in a tectonically active area, this manuscript will be of great value for future research on a long core helping to distinguish mass transport deposits from hemipelagic “background” sedimentation. With its historical relevance to humans (the earthquake monitored in the core destroyed nearby settlements), this manuscript should clearly be published in the planned special issue “Past environmental and climatic stress during modern human’s dispersal” after minor revision. My only reserve regards Fig. 1 where geographical names mentioned in the text should be added for better understanding.

Detailed comments: The Lini Fault is mentioned several times in the text. I wonder if it would be possible to show its location in the map? I see that there is a multitude of faults around the lake and only showing this single one would not make sense – while showing all of them is not necessary. Maybe you could add a small inset to Fig. 1 where you show a detailed view of where this fault is located?

P. 4335, Line 1-2: Mokra and Galicica Mountains not shown in Fig. 1; Line 20: Korca-Ohrid Earthquake Source Zone not shown in Fig. 1

P. 4336 L. 2: City of Ohrid – please indicate on Fig. 1. How far away is the city of Skopje from the lake?

P. 4338 Line 25: Lini Peninsula should be labeled in Fig. 1

P. 4341 Line 16ff: “The distinct increase... suggest sedimentation during Holocene times...” I suppose that there are some words missing in this sentence.

P. 4343 L. 3-4: “and the impossible the differentiation“ check for grammar

P. 4344 L. 3: Did you observe contourites in the seismic profiles?

References should be updated once this manuscript goes into press: Aufgebauer et al., 2012 – online first; Damaschke et al., 2012 – accepted; Lindhorst et al., 2012a – in review; Wagner et al., 2012 – online first; Zanchetta et al., 2012 – in press.

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