

Interactive comment on “A Review of MIS 5e Sea-level Proxies around Japan” by Evan Tam and Yusuke Yokoyama

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A Review of MIS 5e Sea-level Proxies around Japan By Evan Tam and Yusuke Yokoyama

General. This is an excellent paper, comprehensive, well-written and valuable in documenting last interglacial shorelines from extra-tropical regions in the Japanese archipelago. Its value lies not only in global MIS5e sea level reconstruction, but in documenting coastal uplift and subsidence given the very broad range of elevations of MIS5e paleoshorelines. The extensive tephra dating is a positive development. Having worked on Japanese Quaternary deposits myself years ago, I know the meticulous geomorphological and stratigraphic correlations are excellent, based on decades of

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careful field work. The authors are careful to point out limitations of tephra chronology and paleo-sea level elevations from terraces. The maps are excellent. I wonder if it would be easy to add a map showing regions uplift and subsidence rates around Japan based on MMIS5e shorelines. The current maps show the actual elevations, but not rates. Otherwise, I cannot find any major flaws in the study. It will be an excellent addition to the WALIS program.

\Minor

Line 34 Otto-Bliesner Line 75 mollusks? Mollusca ? Line 504 coral-rich In Table 3 please double check the Genus name has upper case first letter but species names are lower case.

Please also note the supplement to this comment:

<https://essd.copernicus.org/preprints/essd-2020-365/essd-2020-365-RC1-supplement.pdf>

Interactive comment on Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2020-365>, 2020.

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