

## ***Interactive comment on “A database of paleoceanographic sediment cores from the North Pacific, 1951–2016” by Marisa Borreggine et al.***

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The authors presented a database of paleoceanographic sediment cores from the North Pacific from 1951–2016. Generally, the database is very useful for the scientific researches in marine geology and paleoclimate, etc. I suggest a few minor revisions. Several comments or suggestions are as follows: 1. Page 2 line, the word “heavy metal” should be replaced as “major or trace element”, which is more common in paleoceanographic field. 2. Page 7, section 3.2. Sediment chronologies, many approaches are applied in sediment dating. I am wondering that if different age models are available in a same sediment core, which age model is more reliable. The paper needs discussion on the data quality comparison of different age models. 3. Page 7, section 3.3, It was also suggested that authors should try to provide a precision comparison discussion

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between different sea surface temperature reconstruction approaches, especially for a sediment core, where different sea surface temperature reconstruction data are available. 4. The information on the sediment core length (e.g. average length, minimum length and maximum length) should be provided in table 3. 5. Is Alkenone UK37 in table 4 same as Uk37 in page 8, line 188 and page 19, line 392?

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