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APE031-02

Room:104

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## Reconstruction of spatio-temporal change of marine reservoir values around the Japanese islands

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Marine reservoir values around the glacial-deglacial Japanese islands were discussed in this paper. Modern marine reservoir values in the subarctic water territory in the northern Japan is larger than those in the subtropical water territory at the southern Japan. Tephra-based marine reservoir reconstruction indicated that the southward migration of the subarctic surface water during the last glacial-deglacial time created the large reservoir value at off Tokai region, which was almost the same value at off Sanriku region. Two LGM ashes in the Japan Sea cores also give us the important information on the marine reservoir values in the glacial Japan Sea.

Keywords: paleoenvironment, radiocarbon dating, tephra, NW Pacific, LGM-last deglaciation