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Highly precise radiocarbon dating of tsunami deposits

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Highly precise dating of tsunami deposit will be a useful tool for elucidation the frequencies of occurrence of the paleotsunami. Radiocarbon dating is used as dating tool of tsunami deposit. However, conventional radiocarbon dating does not have the enough precision to distinguish historical tsunami deposits. We have developed a highly precise radiocarbon dating method using a highdensity sampling method. We will present about a high precision radiocarbon dating method of tsunami deposit using data from Iwanuma investigation site.

Keywords: radiocarbon dating, tsunami deposit, peat, wiggle matching, 14C, AMS