

## Radiocarbon Dating of the widespread tephra

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Widespread tephra is used as a very useful tool to identify ages of Quaternary samples. So far, many  $^{14}\text{C}$  ages have been reported for the widespread tephra in Japan, but reported  $^{14}\text{C}$  ages show large variation even for the same widespread tephra in many cases. We have examined four charcoal samples in Aira-Tn (AT) ash which is one of the principal widespread tephra in Japan in order to clarify the cause which might alter the  $^{14}\text{C}$  age of widespread tephra. In this report, we report the examination result of effect of contamination that adhered to sample in the widespread tephra layer.