

## AMS radiocarbon dating of peaty layers in Kimotsuki lowland, southern Kyushu

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Since the middle Holocene, peaty layers have accumulated on the Kimotsuki lowland in south Kyushu, Japan. They can be applied radiocarbon (<sup>14</sup>C) wiggle-matching for establishing high-resolution chronology. Moreover, several tephra intercalated with the peat bed which originated from Kaimondake, Sakurajima, and the Kirishima volcanoes, and they can certify the reproducibility of <sup>14</sup>C dates. On the other hand, the age of the tephra by them can be determined correctly. We present here the results of AMS <sup>14</sup>C dating on the core sample, and report the age of each tephra determined from these dates.

Keywords: Kimotsuki lowland, peaty layer, tephra, radiocarbon date