

Detrital zircon U-Pb ages from Permian clastic units within the Kurosegawa belt

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U-Pb dating of detrital zircons was performed on Permian clastics from the Kurosegawa belt, distributed in Ino district, Kochi, Shikoku, to determine the sedimentary age. The Permian clastics of the Kurosegawa belt are subdivided into three geological units such as Middle Permian accretionary complex (Ino and Agekura units), and Late Permian accretionary complex (Singai and Tosayama units, and Late Permian shallow marine sediments (Ichinose Formation). In particular, the Middle Permian accretionary complex was subjected to pumpellyite to actinolite facies metamorphism during Late Triassic to Early Jurassic.

Keywords: zircon U-Pb age, Permian, Kurosegawa belt