

## Trenching study at the Tsautun site on the central part of Chelungpu Fault, Taiwan

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This paper describes the results of trenching study at Tsautun across the Chelungpu Fault that ruptured during the 1999 Chichi earthquake. The deformation by the 1999 earthquake is recorded on both north and south walls of the trench as eastern-side-up flexural scarp, which is 1.5 m in vertical slip, associated with overriding of hanging wall on foot wall, 1 - 1.5 m. Complex folding is appeared on the south wall, where fine overbank deposit is thicker than the north wall. Faulting prior to the 1999 event is not found from this site, but is estimated to be older than 300 to 500 yr BP, judging from the 14C ages of the oldest age of deformed sediment.

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