

## TL dating and $^{14}\text{C}$ ages of fluvial terrace sediments - Experiment around the middle part of Atera fault system -

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We carried out TL and  $^{14}\text{C}$  dating of river terrace sediments around the middle part of Atera fault system. We were careful of the geology around study area, treatment of material, grain size and weight on the TL measurement. As to the  $^{14}\text{C}$  method, we dated carbonized wood and black soil in same layer. As the result, the TL ages obtained by this study are older than the  $^{14}\text{C}$  ages because of the lack of beta-rays estimation and other things. The convenient TL ages based on the  $^{14}\text{C}$  ages indicates approximately same ages with  $^{14}\text{C}$  age of sediment on another. Further, this study got several different ages with former geomorphological and geological data.