

L218-011

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Time: May 22 16:30-16:45

Timing and displacement of the latest faulting event of the Himalayan Frontal Thrust in Butwal, southwestern Nepal

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The trenching survey across the Himalayan Frontal Thrust (HFT) in Butwal, southwest Nepal revealed that the HFT deformed unconcreted fluvial deposits on the trench log.

Based on the relative height (4m) of the fault scarp formed by a single event of faulting, and angle of fault plane, we can estimate 9.4m of net slip on latest event.

Processing carbon dating of charcoals on the log of the trench will provide the timing of the latest event of the HFT in this region and also comparison with the paleoseismological data of the HFT in other region by previous researches.