

Late Quaternary Activity of faults in and around the Iiyama Basin, central Japan.

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Several active faults in and around the Iiyama Basin, central Japan, have progressively deformed late Quaternary fluvial terraces. Their west-dipping faults directing in north-south have mean rate of vertical slip of 0.5-1.0mm/yr, respectively. Consultant vertical slip rate exceeds 2.0mm/yr, which suggests high crustal shortening in horizontally east-west direction. The Iiyama Basin has divided by faulting and the faults have front-migrated to east in the late Quaternary time.