

## New-Generated Daliangshan Fault Zone, Southeast Tibet, China

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Partly because of no historical destructive earthquake recorded and remote area on the Southeastern Tibet Plateau, the Daliangshan fault zone, the eastern branch of the central section of the Xianshuihe-Xiaojiang fault system, has been neglected in previous research. Based on the detailed interpretation of air-photography and field investigation, we have mapped the fault zone, and given an estimation of the slip rate in late Quaternary. We have also found several paleo-earthquake events by trenching study on this fault zone. Based on the following knowledge, we conclude that the Daliangshan fault zone is a new-generated tectonic zone, resulted from the shortcutting on the central section of the Xianshuihe-Xiaojiang fault system because of the clockwise rotation of the Southeastern Tibetan Crustal Block, which is bounded by the Xianshuihe-Xiaojiang fault system.1) The continuity and maturity of the Daliangshan fault zone present obviously lower than that of the Anninghe-Zemuhe fault zone, the western branch of the central section of the Xianshuihe-Xiaojiang fault zone, the and slip rate along the Daliangshan fault zone are smaller than those along the western branch.