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Full length article

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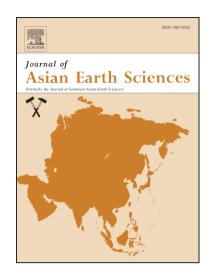
PII: \$1367-9120(17)30255-9

DOI: http://dx.doi.org/10.1016/j.jseaes.2017.05.029

Reference: JAES 3094

To appear in: Journal of Asian Earth Sciences

Received Date: 21 April 2016 Revised Date: 24 April 2017 Accepted Date: 21 May 2017



Please cite this article as: Ji, L., Wang, Q., Xu, J., Feng, J., The 1996 Mw 6.6 Lijiang earthquake: Application of JERS-1 SAR interferometry on a typical normal-faulting event in the northwestern Yunnan rift zone, SW China, *Journal of Asian Earth Sciences* (2017), doi: http://dx.doi.org/10.1016/j.jseaes.2017.05.029

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ACCEPTED MANUSCRIPT

The 1996 Mw 6.6 Lijiang earthquake: Application of JERS-1 SAR interferometry on a typical normal-faulting event in the northwestern Yunnan rift zone, SW China

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Abstract

The northwestern Yunnan rift zone in the Yunnan Province of China is a seismically active region located along the western boundary of the Sichuan—Yunnan Block on the eastern margin of the Qinghai—Tibetan Plateau. An earthquake with a magnitude of 6.6 (Mw) occurred in this region on February 3, 1996. The Lijiang earthquake was the largest normal-faulting event to occur along the western boundary of the Sichuan—Yunnan Block in the last 40 years. In this study, we used L-band JERS-1 (Japanese Earth Resources Satellite-1) SAR data sets from two descending orbits to detect surface deformation signals surrounding

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