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Room:Convention Hall

Time:May 24 10:30-13:00

Coseismic Deformation and Fault Model of the 2008 Mw 6.8 Zhongba Earthquake

Shuoshuai Sun^{1*}, Masato Furuya¹

¹Department of Natural History Sciences

An earthquake with magnitude of 6.8 struck Zhongba County, western Tibet, China, on 25th August 2008, whose focal mechanism was normal faulting according to the GCMT project. Although normal faulting earthquake often takes place in Tibetan plateau, it remains uncertainty why normal faulting earthquakes present in the present Tibetan plateau despite the on-going northward compression associated with the Indian plate motion. We use interferometric synthetic aperture radar (InSAR) observations to estimate the fault slip distribution of the Zhongba Earthquake, and infer the fault source model so that we will be able to gain any insights into the origin of normal faulting earthquakes.

Keywords: Earthquake, Normal Fault, InSAR, Fault Source Model