
[EJ] Evening Poster | S (Solid Earth Sciences) | S-SS Seismology

[S-SS08]Active faults and paleoseismology

convener:Mamoru Koarai(Earth Science course, College of Science, Ibaraki University), Hisao Kondo(Geological Survey of Japan, National Institute of Advanced Industrial Science and Technology), Ryosuke Doke(神奈川県温泉地学研究所, 共同), Nobuhisa Matsuta(Okayama University Graduate School of Education)

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Geologic and historic information on seismic cycles and on the magnitude and source faults of past earthquakes is essential information to understand future large earthquakes. The study of past faulting and seismicity is an important issue for an interdisciplinary community of seismologists, geologists, geomorphologists, archaeologists, and historians.

[SSS08-P27]Active fault mapping along the southern margin of the Himalayas by interpretation of ALOS 30 DEM image

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Keywords:Himalaya, active fault, ALOS 30

ALOS 30 DEM is 30m grid DEM freely provided worldwide. We compare image of the DEM with air-photo for mapping of active faults along the southern margin of the Himalayas. Resolution of anaglyph image of the DEM is much less than that of 1:50000 scale air-photo, but it is enough for interpretation of active fault.