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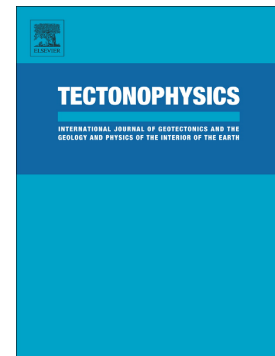
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Structural characteristics of the Yilan–Yitong and Dunhua–Mishan faults as northern extensions of the Tancheng–Lujiang Fault Zone: New deep seismic reflection results

Ming Xu^a, Yalin Li^{a, b*}, Hesheng Hou^{c}, Chengshan Wang^{a, b}, Rui Gao^c, Haiyan Wang^c, Zhongpeng Han^a, Aorigele Zhou^a**

^a School of Earth Science and Resources, China University of Geosciences, Beijing 100083, China

^b State Key Laboratory of Geological Processes and Mineral Resources, Beijing 100083, China

^c State Key Lab of Continental Tectonics and Dynamics, Key Laboratory of Earthprobe and Geodynamics, Ministry of Land and Resources, Institute of Geology, Chinese Academy of Geological Sciences, Beijing, 100037, China

Abstract

The Tancheng–Lujiang Fault Zone (TLFZ) can be subdivided into three segments that exhibit sharp contrasts in their deep structures. A deep seismic reflection profile (length ~600 km) across the north part of the TLFZ, which provides new constraints on the structural styles of the northern TLFZ, was recently completed by the Chinese Sinoprobe Project. Here, the TLFZ branches into the Yilan–Yitong Fault (YYF) to the west and the Dunhua–Mishan Fault (DMF) to the east. The YYF developed as an internal fault in the Songnen–Zhangguangcai massif, while the DMF serves as the

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