

Fission track analysis of Khorat Group sediments, Khorat Plateau, Thailand

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Fission track analysis of the Khorat Group on the Khorat Plateau provides important new information on the subsidence history, provenance, uplift and tectonic history of the Khorat Group which forms a potential petroleum exploration target in Thailand and adjacent areas. This work is part of an integrated basin analysis study on the Mesozoic and Cenozoic of Thailand which includes sedimentology and petrographic studies of the

Khorat Group. 13 large samples of sandstone from the Khorat Group have been analysed in a transect across the Khorat Monocline and Phu Phan uplift on the Khorat Plateau. Fission track analysis is used to constrain subsidence and inversion histories for the Khorat Plateau, an important structural element in Eastern Thailand.
