



# Active deformation of Malawi Rift's North Basin hinge zone modulated by reactivation of Precambrian shear zone fabric



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- Recent seismicity in northern Malawi Rift is localized on the hinge of the North Basin half graben.
- Segments of delineated seismogenic faults coincide with the Precambrian shear zone fabric that underlie the hinge zone.
- We propose a model for the 3-D reactivation of basement shear zone fabric along the North Basin hinge zone.
- Half-graben hinge zone deformation is not entirely controlled by crustal flexure but can be actively modulated by pre-existing basement structures.

