### Accepted Manuscript

New Somali Basin Magnetic Anomalies and a Plate Model for the Early Indian Ocean

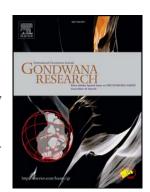
Joshua K. Davis, Lawrence A. Lawver, Ian O. Norton, Lisa M. Gahagan

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## **ACCEPTED MANUSCRIPT**

#### New Somali Basin Magnetic Anomalies and a Plate Model for the Early Indian Ocean

Joshua K. Davis<sup>a,\*</sup>, Lawrence A. Lawver<sup>a</sup>, Ian O. Norton<sup>a</sup>, Lisa M. Gahagan<sup>a</sup>

<sup>a</sup> Institute for Geophysics, University of Texas, Austin, Austin, Texas 78758-4445, USA

\* Corresponding author. Tel.: +1 9045564401

Email address: buddavis@utexas.edu (J.K. Davis)

Mailing address: 10100 Burnett Rd, Bldg 196, R2200

Austin, TX 78758-4445 (USA)

#### **Research Highlights**

- Magnetic anomalies M24Bn through M0r interpreted in the Somali Basin.
- Marine geophysics suggest East Gondwana rifted from West Gondwana as a single unit.
- The breakup of East Gonwana likely began after anomaly M15n (135.76 Ma).

Keywords: Somali Basin, Magnetic Anomalies, East Gondwana, Indian Ocean Tectonics

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