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Integration of the Industry 2-D and 3-D Multichannel Seismic Data With Underway Geophysical Data to Investigate the Structure of the Northern Red Sea

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Investigator(s): James Cochran jrc@ldeo.columbia.edu(Principal Investigator)

Sponsor: Columbia University
2960 Broadway
NEW YORK, NY 10027 212/854-6851

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ABSTRACT

Cochran 0548812 The PI will integrate shipboard geophysical data with recently acquired seismic data from the industry to constrain rift structure across the Northern Red Sea. Based on a recent compilation of bathymetry, gravity, and magnetics data the PI suggested that the Northern Red Sea is transitioning from continent rifting to full seafloor spreading. The goal of the proposed study is to determine whether the observed crustal architecture is most consistent with this model or with

several alternative models proposed for the rift's evolution. Continued strengthening of international collaborations represents a broader impact of this work.

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The National Science Foundation, 4201 Wilson Boulevard, Arlington, Virginia 22230, USA
Tel: (703) 292-5111, FIRS: (800) 877-8339 | TDD: (800) 281-8749

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