



AWSFL008-DS3

NSF Award Abstract
- #0111983

**Margins: Collaborative Research: Seismic and
Geologic Study of Gulf of
California Rifting and Magmatism**

NSF Org OCE

Latest Amendment Date May 28, 2003

Award Number 0111983

Award Instrument Standard Grant

Program Manager Bilal U. Haq
OCE DIVISION OF OCEAN
SCIENCES
GEO DIRECTORATE FOR
GEOSCIENCES

Start Date April 1, 2002

Expires March 31, 2005 (Estimated)

Expected Total Amount \$431022 (Estimated)

Investigator Daniel Lizarralde
danl@hatteras.eas.gatech.edu
(Principal Investigator current)

Sponsor GA Tech Res Corp - GIT
Office of Sponsored Programs
Atlanta, GA 303320420
404/385-0866

NSF Program 1620 MARINE GEOLOGY AND
GEOPHYSICS

Field Application 0204000 Oceanography

Program Reference Code 0000,OTHR,

Abstract

Funding is provided for a seismic and structural geology experiment to delineate the geometries and patterns of crustal extension and rift magmatism along three main conjugate margins across Alarcon, Guaymas and Delfin Basins (to study the south to north seafloor-spreading to non-spreading mode) and a E-W profile along Wagner Basin (to study the low-angle detachment fault at depth). The questions to be addressed include, strain partitioning, volumetric and emplacement style of rift magmatism, along-axis differences in extension style and the influence of sedimentation on deformation. An integrated land-based and at sea study is planned for the next three years.

You may also retrieve a [text version](#) of this abstract.

Please report errors in award information by writing to: award-abstracts-info@nsf.gov.

Please use the browser back button to return to the previous screen.