



AWSFL008-DS3

NSF Award Abstract
- #0221650

**Collaborative Research: Localization of
Deformation During the Transition to
Seafloor Spreading, N. Gulf of California**

NSF Org OCE

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OCE DIVISION OF OCEAN
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NSF Program 1620 MARINE GEOLOGY AND
GEOPHYSICS

**Field Application 0204000 Oceanography
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Abstract

Funds are recommended for continued analysis of a high quality geophysical data set collected by the PIs from the northern Gulf of California. The PIs will undertake a sequence stratigraphic analysis and integrate the results with an ongoing structural study of the region. It will also take advantage of data from industry sources that will provide the important stratigraphic control. The goal is to work out the transition from rifting to seafloor spreading and the history of extension in the Gulf. The study will also lead to an understanding of the kinematics of deformation in nascent axial basins.

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