



AWSFL008-DS3

**NSF Award Abstract**  
**- #0234544**

**Field Workshop on the Chemistry and Flux of  
Volcanic Volatiles: Nicaragua and  
Costa Rica**

**NSF Org** OCE

**Latest Amendment Date** October 7, 2002

**Award Number** 0234544

**Award Instrument** Standard Grant

**Program Manager** Rodey Batiza

OCE DIVISION OF OCEAN  
SCIENCES

GEO DIRECTORATE FOR  
GEOSCIENCES

**Start Date** January 1, 2003

**Expires** December 31, 2003 (Estimated)

**Expected Total Amount** \$15000 (Estimated)

**Investigator** Tobias P. Fischer [fischer@unm.edu](mailto:fischer@unm.edu)  
(Principal Investigator current)

**Sponsor** University of New Mexico  
MSC05 3370  
Albuquerque, NM 87131  
505/277-2256

**NSF Program** 1620 MARINE GEOLOGY AND  
GEOPHYSICS

**Field Application** 0204000 Oceanography

**Program Reference Code** 0000,9150,OTHR,

## Abstract

This award will support a Field Workshop to measure and sample volatile emissions from volcanic centers in the Nicaragua and Costa Rica segments of the Central American Volcanic Arc. This workshop is the 8<sup>th</sup> Field Workshop organized by the IAVCEI Commission on the Chemistry of Volcanic Gases (CCVG) and will take place in March 2003. The overall theme of the workshop is sampling of volcanic volatile emissions using direct sampling methods and newly developed land-based and space-based remote sensing techniques. Organizers and attendants will compare techniques and identify methods to improve current measurement strategies. The focus of this workshop is Poas volcano in Costa Rica, and Masaya, Momotombo and Cerro Negro volcanoes in Nicaragua. Because subduction zone parameters show significant changes between Costa Rica and Nicaragua (amount of sediment contributing to arc magmas, slab angle) comparison of the volatile emissions from these volcanic centers is expected to be interesting. By involving a large number of specialists we hope to most accurately resolve variations in volatile compositions and fluxes between the different volcanoes and eliminate problems related to sampling and measuring techniques.

---

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

---

Please report errors in award information by writing to:  
[award-abstracts-info@nsf.gov](mailto:award-abstracts-info@nsf.gov).

---

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