



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles in Preparation – November 2003

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**Baines, A. G., M. J. Cheadle, H. J. B. Dicj, A. Hosford-Scheirer, B. E. John, N. J. Kuszniir,
and T. Matsumoto**

A mechanism for generating the anomalous uplift of oceanic-core complexes: Atlantis Bank,
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Department of WHOI Author: GEOL.

Beardsley, R.

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Department of WHOI Author: PO.

Becker, K. M., S. D. Rajan, and G. V. Frisk

Application of modal inverse techniques to the ONR/SPAWAR inverse techniques workshop
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Churchill, James H., Albert J. Williams, III, and Elise A. Ralph

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Peninsula. *J.Geophys.Res.*, IN PRESS.
Department of WHOI Author: PO. AOPE.
Contribution Number: **11057**

Comiso, J. C., J. Yang, S. Honjo, and R. Krishfield

The detection of change in the Arctic using satellite and buoy data. *J.Geophy.Res.*, IN PRESS.
Department of WHOI Author: GEOL.

deMartin, B., G. Hirth, and B. Evans

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A new model for submarine volcanic collapse formation. *Geochem.Geophys.Geosyst.*, IN PRESS.

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Fornari, D., M. Tivey, H. Schouten, M. Perfit, K. Von Damm, D. Yoerger, A. A. Bradley, M. Edwards, R. Haymon, T. Shank, D. Scheirer, and P. Johnson

Submarine lava flow emplacement processes at the East Pacific Rise 9°50'N: Implications for hydrothermal fluid circulation in the upper ocean crust. In: *AGU IRTI Monograph volume*, IN PRESS.

Department of WHOI Author: GEOL. AOPE.

Forster, A., H. Sturt, P. A. Meyers, and the Shipboard Scientific Party

Molecular biogeochemistry of black shales from the Denerara Rise. Preliminary shipboard results from sites 1257 and 1258, Leg 207. *Proc.ODP,Init.Repts.*, IN PRESS.

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Han, S., and M. A. Grosenbaugh

Comparison of two seafloor observatory mooring designs. In: *Proceedings of the IUTAM Symposium on Integrated Modeling of Fully Coupled Fluid-Structure Interactions Using Analysis, Computations, and Experiments, June 1-6, 2003, New Brunswick, NJ.*, IN PRESS.

Department of WHOI Author: AOPE.

Harpp, K., D. Fornari, D. Geist, and M. Kurz

Genovesa Submarine Ridge: A manifestation of plume-ridge interaction in the northern Galapagos Islands. *Geochem.Geophys.Geosyst.*, IN PRESS.

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Hayes, John M.

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Department of WHOI Author: GEOL.

Hsu, Tian-Jian, and L.-F. Liu Philip

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Department of WHOI Author: AOPE.

Contribution Number: **11060**

Jull, M., and K. W. W. Sims

Insight into mantle melting from an early-post glacial lava sequence in Iceland. *Chem.Geol.*, IN PRESS.

Department of WHOI Author: GEOL.

Kelemen, P., K. Hanghoj, and A. Greene

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Department of WHOI Author: GEOL.

Kienast, S. S., I. L. Hendy, J. Crusius, T. F. Pedersen, and S. E. Calvert

Export production in the subarctic North Pacific over the last 800 kyrs: No evidence for iron fertilization? *J.Oceanogr.*, IN PRESS.

Department of WHOI Author: MCG.

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McGuire, J. J., and P. Segall

Imaging of a seismic fault slip transients recorded by dense geodetic networks. *Geophys.J.Int.*, IN PRESS.

Department of WHOI Author: GEOL.

Mindell, D. A., H. Singh, D. Yoerger, L. Whitcomb, and J. Howland

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Department of WHOI Author: AOPE.

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Department of WHOI Author: GEOL.

Orphan, V. J., W. Ussler, III, T. Naehr, C. H. House, K.-U. Hinrichs, and C. K. Paull
Geological, geochemical, and microbiological heterogeneity of the seafloor around methane vents in the Eel River basin, offshore California. *Chem.Geol.*, IN PRESS.
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Perfit, M. R., J. R. Cann, D. J. Fornari, J. Engels, D. K. Smith, W. I. Ridley, and M. H. Edwards
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Department of WHOI Author: GEOL.

Sessions, Alex, Sean Sylva, and Roger Summons
Isotopic exchange of carbon-bound hydrogen over geologic timescales.
Geochim.Cosmochim.Acta, IN PRESS.
Department of WHOI Author: GEOL.

Sohn, R. A., A. H. Barclay, and S. C. Webb
Microearthquake patterns following the 1998 eruption of Axial volcano, Juan de Fuca Ridge: Mechanical relaxation and thermal strain. *J.Geophys.Res.*, IN PRESS.
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Straub, S. M., and G. D. Layne
The systematics of chlorine, fluorine and water in Izu arc front volcanic rocks: Implications for volatile recycling in subduction zones. *Geochim.Cosmochim.Acta*, IN PRESS.
Department of WHOI Author: GEOL.

Sturt, Helen F., Roger E. Summons, Kristin Smith, Marcus Elvert, and Kai-Uwe Hinrichs
Intact polar membrane lipids in prokaryotes and sediments deciphered by ESI-HPLC-MSⁿ - new biomarkers for biogeochemistry and microbial ecology. *Rapid Commun.Mass Spectrom.*, IN PRESS.
Department of WHOI Author: GEOL.
Contribution Number: **11063**

Uchupi, Elazar
Stellwagen Bank region off eastern MA: A Wisconsin glaciated cenozoic sand bank/delta?
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Department of WHOI Author: GEOL.
Contribution Number: **11062**

Villinski, Jennifer C., John M. Hayes, Jeffrey T. Villinski, and Rudolf A. Raff

Carbon-isotopic shifts associated with heterotrophy and biosynthetic pathways in direct- and indirect-developing sea urchins. *Mar.Ecol.Pro.Ser.*, IN PRESS.

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