



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles in Preparation – September 2003

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Babu, K. N., Rashmi Sharma, Neeraj Agarwal, Vijay K. Agarwal, and R. A. Weller

Seasonal variations of mixed layer depth over north Indian Ocean simulated from 1-D model with biological heating. *J.Geophys.Res.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **11020**

Bice, Karen L., Lu Ping Zou, and The Leg 207 Scientific Party

A procedure for cleaning organic-rich mudstones for foraminiferal oxygen and carbon isotope analysis. *Proc.ODP,Sci.Res.*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **11022**

Came, R. E., D. W. Oppo, and W. B. Curry

Atlantic Ocean circulation during the Younger Dryas: Insights from a new Cd/Ca record from the western subtropical South. *Paleoceanography*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **10954**

Chen, Changsheng, Qichun Yu, Robert C. Beardsley, and Peter J. S. Franks

Model study of the cross-frontal water exchange on Georges Bank: A 3-D lagrangian experiment. *J.Geophys.Res.*, IN PRESS.

Department of WHOI Author: PO.

Cohen, A. L., and T. A. McConnaughey

Geochemical perspectives on coral mineralization. *Rev.Mineral.Geochem.*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **11027**

Funck, Thomas, John R. Hopper, Hans Christian Larsen, Keith E. Louden, Brian E. Tucholke, and W. Steven Holbrook

Crustal structure of the ocean-continent transition at Flemish Cap: Seismic refraction results.

J.Geophys.Res., IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **11000**

Furey, Heather, and Amy S. Bower

Temperature structure of the East China and southeastern Japan/East China Seas from XBT deployed data. *Deep-Sea Res.II*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **11014**

Galbraith, Eric D., Markus Kienast, Thomas F. Pedersen, and Stephen E. Calvert

Glacial-interglacial modulation of the marine nitrogen cycle by O₂ supply to intermediate waters. *Nature*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **10994**

Hahn, Mark E., Sibel I. Karchner, and Diana G. Franks

Aryl hydrocarbon receptor polymorphisms and dioxin resistance in Atlantic killifish (*Fundulus heteroclitus*). *Pharmacogenetics*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **11007**

Hakkinen, S., and A. Proshutinsky

Fresh water content variability in the Arctic Ocean. *J.Geophys.Res.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **11012**

Hopper, John R., Thomas Funck, Brian E. Tucholke, Hans Christian Larsen, W. Steven Holbrook, Keith E. Louden, Donna Shillington, and Helen Lau

Continental breakup and the onset of ultra-slow seafloor spreading off Flemish Cap on the Newfoundland rifted margin. *Geology*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **10998**

Huang, Rui Xin

The thermohaline circulation under a constraint on the energy for mixing. *Nature*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **11029**

Jelloul, Mahdi Ben, and Theirry Huck

Baroclinic basin modes in a two-layer quasigeostrophic model. *J.Phys.Oceanogr.*, IN PRESS.
Department of WHOI Author: PO.
Contribution Number: **10999**

Jenkins, William J.

The subtropical nutrient spiral. *Glob.Biogeochem.Cycles*, IN PRESS.
Department of WHOI Author: MCG.
Contribution Number: **11017**

Jones, Alan G., Pamela Lezaeta, Ian J. Ferguson, Alan D. Chave, Rob L. Evans, Xavier Garcia, and Jessica Spratt

The electrical structure of the Slave craton. *Lithos*, IN PRESS.
Department of WHOI Author: GEOL.
Contribution Number: **11023**

Kiefer, T., and M. Keinast

The deglacial warming in the Pacific Ocean: A review with emphasis on Heinrich event 1. *Quat.Sci.Rev.*, IN PRESS.
Department of WHOI Author: MCG.
Contribution Number: **11021**

Kite-Powell, Hauke L., Charles S. Colgan, and Rodney Weiher

Economics of an integrated ocean observing system. *Mar.Technol.Soc.J.*, IN PRESS.
Department of WHOI Author: MPC.
Contribution Number: **11026**

Lin, Ying-Tsong, James F. Lynch, Nick Chotiros, Chi-Fang Chen, Arthus Newhall, Altan Turgut, Steve Schock, Ching-Sang Chiu, Louis Bartek, and Char-Shine Liu

An estimate of the bottom compressional wave speed profile in the northeastern South China Sea using "sources of opportunity". *IEEE J.Oceanic.Eng.*, IN PRESS.
Department of WHOI Author: AOPE.
Contribution Number: **11009**

MacDonald, Daniel G., and W. Rockwell Geyer

Turbulent energy production and entrainment at a highly stratified estuarine front. *J.Geophys.Res.*, IN PRESS.
Department of WHOI Author: AOPE.
Contribution Number: **11013**

McKenna, S. P., and W. R. McGillis

The role of free-surface turbulence and surfactants in air-water gas transfer. *Int.J.Heat Mass Transfer*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **11003**

Polyak, Leonid, William B. Curry, Dennis A. Darby, Jens Bischof, and Thomas M. Cronin

Contrasting glacial/interglacial regimes in the western Arctic Ocean as exemplified by a sedimentary record from the Mendeleev Ridge. *Palaeogeogr.Palaeoclimatol.Palaeoecol.*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **11002**

Polzin, Kurt

A heuristic description of internal wave dynamics. *J.Phys.Oceanogr.*, IN PRESS.

Department of WHOI Author: PO.

Polzin, Kurt

Idealized solutions for the energy balance of the finescale internal wavefield.

J.Phys.Oceanogr., IN PRESS.

Department of WHOI Author: PO.

Preisig, James, and Grant B. Deane

Surface wave focusing and acoustic communications in the surf. *J.Am.Stat.Assoc.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **11018**

Seewald, Jeffrey, Anna Cruse, and Peter Saccocia

Aqueous volatiles in hydrothermal fluids from the main endeavour field, northern Juan de Fuca Ridge: Temporal variability following earthquake activity. *Earth Planet.Sci.Lett.*, IN PRESS.

Department of WHOI Author: MCG.

Contribution Number: **10991**

Sengco, Mario R., and Donald M. Anderson

Differential removal of marine algal species by clay aggregation: Effect of cell concentration, size and swimming rate. *Mar.Ecol.Prog.Ser.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **11006**

Steele, John, and Porter Hoagland

Are fisheries "sustainable"? *Fish.Res.*, IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **11004**

Traykovski, Peter, Rocy Geyer, and Chris Sommerfield

Rapid sediment deposition and fine-scale strata-formation in the Hudson Estuary.

J.Geophys.Res., IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **11016**

Watwood, Stephanie L., and Edward C. G. Owen

Adult male bottlenose dolphins use whistles to initiate reunions between separated alliance partners. *Behav.Ecol.Sociobiol.*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **11008**

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