



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles in Preparation – July 2000

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Allerton, Simon and Maurice A. Tivey.

Magnetic polarity structure of the lower oceanic crust.

Geophys.Res.Let., IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **10222**

**Austin, Thomas, James Edson, Wade McGillis, Chris von Alt, Mike Purcell,
Robert Petitt, Marguerite McElroy, Jonathan Ware, and Roger Stokey.**

The Martha's Vineyard coastal observatory: A long term facility for monitoring air-sea processes. *Oceans'00*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10229**

Austin, Thomas C., Roger P. Stokey, and Kenneth M. Sharp.

PARADIGM: A buoy-based system for AUV navigation and tracking. *Oceans'00*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10235**

Camm, Jeffrey D., Susan K. Norman, Stephen Polasky, and Andrew R. Solow.

Nature reserve site selection to maximize expected species covered.

Oper.Res., IN PRESS.

Department of WHOI Author: MPC.

Contribution Number: **10225**

Cenedese, Claudia.

Mesoscale vortices colliding with a seamount. *J.Geophys.Res.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10238**

Chapman, David C.

The influence of an alongshelf current on the formation and offshore transport of dense water from a coastal polynya. *J.Geophys.Res.*, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10226**

Chu, Dezhang, Peter H. Wiebe, Timothy K. Stanton, Terry R. Hammar, Kenneth W. Doherty, Nancy J. Copley, Jack Zhang, D. Benjamin Reeder, and Mark C. Benfield.

Measurements of the material properties of live marine organisms and their influences on the acoustic scattering. *Oceans'00*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10223**

Eglinton, Lorraine and Jean Whelan.

Organic geochemical screening of a Bermuda Rise sample from Site 1063.

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Department of WHOI Author: MCG.

Contribution Number: **10221**

Elgar, Steve and Britt Raubenheimer.

Current meter performance in the surfzone. *J.Atmos.Ocean.Technol.*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10241**

Eustice, Ryan, Hanumant Singh, and Jonathan Howland.

Image registration underwater for fluid flow measurements and mosaicking.

Oceans'00, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10230**

Frisk, George V., Kyle M. Becker, and James A. Doutt.

Modal mapping in shallow water using synthetic aperture horizontal arrays.

Oceans'00, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10242**

Howland, Jonathan C. and Hanumant Singh.

Simulation of the deep sea mosaicking process. *Oceans'00*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10224**

Korenaga, J., W. S. Holbrook, G. M. Kent, P. B. Kelemen, R. S. Detrick, H.-C. Larsen, J. R. Hopper, and T. Dahl-Jensen.

Crustal structure of the southeast Greenland margin from joint refraction and reflection seismic topography. *J.Geophys.Res.*, IN PRESS.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Norris, R., A. Klaus, and D. Kroon.

Middle Eocene deep water, the Late Paleocene thermal maximum and continental slope mass wasting during the Cretaceous/Paleogene impact. In: *Western North Atlantic Palaeogene and Cretaceous Palaeoceanography*, IN PRESS.

Department of WHOI Author:

Contribution Number: **NONE**

Purcell, Mike, Chris von Alt, Ben Allen, Tom Austin, Ned Forrester, Rob Goldsborough, and Roger Stokey.

New capabilities of the REMUS autonomous underwater vehicle. *Oceans'00*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10239**

Raubenheimer, B., R. T. Guza, and Steve Elgar.

Field observations of wave-driven setdown and setup.

J.Geophys.Res., IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10240**

Roman, Chris, Oscar Pizarro, Ryan Eustice, and Hanumant Singh.

A new autonomous underwater vehicle for imaging research.

Oceans'00, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10231**

Sell, Anne F.

Life in the extreme environment at a hydrothermal vent: Haemoglobin in a deep-sea copepod. *Proc.Royal Soc.B*, IN PRESS.

Department of WHOI Author: BIO.

Contribution Number: **10220**

Strong, B., B. Brumley, E. A. Terray, and Gregory W. Stone.

The performance of ADCP-derived directional wave spectra and comparison with other independent measurements. *Oceans'00*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10234**

Thwaites, F. T. and E. A. Terray.

A pitot sensor for measuring near-surface turbulence. *Oceans'00*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10243**

Warren, Bruce A., Thomas Whitworth, III, and Joseph H. LaCasce.

Forced resonant undulation in the deep Mascarene Basin.

Deep-Sea Res. II, IN PRESS.

Department of WHOI Author: PO.

Contribution Number: **10237**

Williams, Albert J., 3rd and Eugene A. Terray.

Measurements of directional wave spectrum with a modular acoustic velocity sensor. *Oceans'00*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10233**

Williams, Albert J., 3rd

Power, packaging, and multiplexing considerations in an acoustic travel-time current meter. *Oceans'00*, IN PRESS.

Department of WHOI Author: AOPE.

Contribution Number: **10228**

Yang, Jiayan, Josefino Comiso, Richard Krishfield, Susumu Honjo.

The role of synoptic storms in the development of 1997 warming and freshening event in the Beaufort Sea. *Geophys. Res. Lett.*, IN PRESS.

Department of WHOI Author: PO. and GEOL.

Contribution Number: **10236**

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