



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles Received in May 2001

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Abbot, P., S. Celuzza, I. Dyer, B. Gomes, J. Fulford, J. Lynch, G. Gawarkiewicz, and D. Volak.

Effects of Korean littoral environment on acoustic propagation.
IEEE J.Ocean.Eng., 26(2):266-284, 2001.
Department of WHOI Author: AOPE. PO.
Contribution Number: **NONE**

Anderson, Laurence A. and Allan R. Robinson.

Physical and biological modeling in the Gulf Stream region. Part II. Physical and biological processes. *Deep-Sea Res.I*, 48:1139-1168, 2001.
Department of WHOI Author: AOPE.
Contribution Number: **NONE**

Anderson, Steven P.

A note on the atmospheric boundary layer over the equatorial front.
J.Clim., 14:1688-1695, 2001.
Department of WHOI Author: PO.
Contribution Number: **10183**

Chu, Dezhang, Dajun Tang, Thomas C. Austin, Alan A. Hinton, and Richard I. Arthur, Jr.

Fine-scale acoustic tomographic imaging of shallow water sediments.
IEEE J.Oceanic Eng., 26(1):70-83, 2001.
Department of WHOI Author: AOPE.
Contribution Number: **10102**

Danobeitia, J. J. and J. P. Canales.

Magmatic underplating in the Canary Archipelago.
J. Volcan. Geotherm. Res., 103:27-41, 2000.
Department of WHOI Author: GEOL.
Contribution Number: **NONE**

**Dickey, T., S. Zedler, X. Yu, S. C. Doney, D. Frye, H. Jannasch, D. Manov,
D. Sigurdson, J. D. McNeil, L. Dobeck, T. Gilboy, C. Bravo, D. A. Siegel, and
N. Nelson.**

Physical and biogeochemical variability from hours to years at the Bermuda Testbed
Mooring site: June 1994-March 1998.
Deep-Sea Res. II, 48:2105-2140, 2001.
Department of WHOI Author: AOPE.
Contribution Number: **NONE**

**Garcon, Veronique C., Andreas Oschilies, Scott C. Doney, Dennis McGillicuddy, and
Joanna Waniek.**

The role of mesoscale variability on plankton dynamics in the North Atlantic. *Deep-Sea
Res. II*, 48:2199-2226, 2001.
Department of WHOI Author: AOPE.
Contribution Number: **10263**

Hoefel, F. G. and R. L. Evans.

Impact of low salinity porewater on seafloor electromagnetic data: A means of detecting
submarine groundwater discharge?
Estuarine Coastal Shelf Sci., 52:179-189, 2001.
Department of WHOI Author: GEOL.
Contribution Number: **10356**

Jull, M. and P. B. Kelemen

On the conditions for lower crustal convective instability.
J. Geophys. Res., 106(B4):6423-6446, 2001.
Department of WHOI Author: GEOL.
Contribution Number: **10348**

Korenaga, J., W. S. Holbrook, R. S. Detrick, and P. B. Kelemen

Gravity anomalies and crustal structure at the southeast Greenland Margin.
J. Geophys. Res., 106(B5):8853-8870, 2001.
Department of WHOI Author: GEOL.
Contribution Number: **NONE**

Lentz, Steve and John Trowbridge.

A dynamical description of fall and winter mean current profiles over the Northern California Shelf. *J.Phys. Oceanogr.*, 31:914-931, 2001.

Department of WHOI Authors: PO. And AOPE.

Contribution Number: **9942**

Madin, Laurence P., Erich F. Horgan, and Deborah K. Steinberg.

Zooplankton at the Bermuda Atlantic Time-Series Study (BATS) station: Diel, seasonal and interannual variation in biomass, 1994-1998. *Deep-Sea Res.II*, 48:2063-2082, 2001.

Department of WHOI Author: BIO.

Contribution Number: **10211**

Marsh, Adam G., Lauren S. Mullineaux, Craig M. Young, and Donal T. Manahan.

Larval dispersal potential of the tubeworm *Riftia pachyptila* at deep-sea hydrothermal vents. *Nature*, 411:77-80, 2001.

Department of WHOI Author: BIO.

Contribution Number: **NONE**

Pan, L. L., E. J. Hints, E. M. Stone, E. M. Weinstock, and W. J. Randel.

The seasonal cycle of water vapor and saturation vapor mixing ratio in the extratropical lowermost stratosphere.

J.GeophysRes., 105(D21):26519-26530, 2001.

Department of WHOI Author: MCG.

Contribution Number: **NONE**

Petsch, S. T., T. I. Eglinton, and K. J. Edwards.

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Department of WHOI Author: MCG.

Contribution Number: **10439**

Seewald, Jeffrey S.

Aqueous geochemistry of low molecular weight hydrocarbons at elevated temperatures and pressures: Constraints from mineral buffered laboratory experiments.

Geochim.Cosmochim.Acta, 65(10):1641-1664, 2001.

Department of WHOI Author: MCG.

Contribution Number: **10378**

Smith, J. B., E. J. Hints, N. T. Allen, R. M. Stimpfle, and J. G. Anderson.

Mechanisms for midlatitude ozone loss: Heterogeneous chemistry in the lowermost stratosphere?. *J.Geophys.Res.*, 106:1297-1310, 2001.

Department of WHOI Author: MCG.

Contribution Number: **NONE**

Thwaites, Fredrik T. and Albert J. Williams, III.

BASS measurements of currents, waves, stress, and turbulence in the North Sea bottom-boundary layer. *IEEE J.Ocean.Eng.*, 26(2):161-170, 2001.

Department of WHOI Author: AOPE.

Contribution Number: **10022**

Von Herzen, R., C. Ruppel, P. Molnar, M. Nettles, S. Nagihara, and G. Ekstrom.

A constraint on the shear stress at the Pacific-Australia plate boundary from heat flow and seismicity at the Kermadec forearc.

J.Geophys.Res., 104(B4):6817-5833, 2001.

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Contribution Number: **10359**

Xie, Huixiang, Oliver C. Zafiriou, Wei Wang, and Craig D. Taylor.

A simple automated continuous-flow-equilibration method for measuring carbon monoxide in seawater. *Environ.Sci.Technol.*, 35:1475-1480, 2001.

Department of WHOI Author: MCG.

Contribution Number: **10374**

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