



WHOI Contributions to the Scientific Literature Monthly Activity Report

Articles Received in May 2002

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Chu, Dezhang, Peter H. Wiebe, Nancy J. Copley, Gareth L. Lawson, V. Puvanendran.

Material properties of North Atlantic cod eggs and early stage larvae and their influence on acoustic scattering. *In: Proceedings of ICES Symposium on Acoustics in Fisheries and Aquatic Ecology 2002.*, 57(4):1128-1142, 2000.

Department of WHOI Author: AOPE.

Contribution Number: **10666**

Friedrich, Michael, Bernd Kromer, Klaus F. Kaiser, Marco Spurk, Konrad A. Hughen, Sigfus J. Johnsen.

High-resolution climate signals in the Bolling-Allerod Interstadial (Greenland Interstadial 1) as reflected in European tree-ring chronologies compared to marine varves and ice-core records. *Quat.Sci.Rev.*, 20:1223-1232, 2001.

Department of WHOI Author: MCG.

Contribution Number: **NONE**

Gallagher, Edith L., Steve Elgar, Edward B. Thornton.

Megaripple migration in a natural surf zone. *Nature*, 394:165-168, 1998.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

Gallagher, Edith L., Steve Elgar, R. T. Guza.

Observations of sand bar evolution on a natural beach. *J.Geophys.Res.*, 103(C2):3203-3215, 1998.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

Hannigan, Robyn E., Edward R. Sholkovitz.

The development of middle rare earth element enrichments in freshwaters: Weathering of phosphate minerals. *Chem.Geol.*, 175:495-508, 2001.

Department of WHOI Author: MCG.

Contribution Number: **9961**

Herbers, T. H. C., Steve Elgar, R. T. Guza.

Directional spreading of waves in the nearshore. *J.Geophys.Res.*, 104(C4):7683-7693, 1999.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

Herbers, T. H. C., Steve Elgar, N. A. Sarap, R. T. Guza.

Nonlinear dispersion of surface gravity waves in shallow water. *J.Phys.Oceanogr.*, 32(4):1181-1193, .

Department of WHOI Author: AOPE.

Contribution Number: **10061**

Huang, Rui Xin, Xiangze Jin.

Deep circulation in the South Atlantic induced by bottom-intensified mixing over the mid-ocean ridge. *J.Phys.Oceanogr.*, 32:1150-1164, 2002.

Department of WHOI Author: PO.

Contribution Number: **10476**

Johns, William E., Tamara L. Townsend, David M. Fratantoni, W. Douglas Wilson.

On the Atlantic inflow to the Caribbean Sea. *Deep-Sea Res.*, 49:211-243, 2002.

Department of WHOI Author: PO.

Contribution Number: **10370**

Johnson, M. A., A. Y. Proshutinsky, I. V. Polyakov.

Atmospheric pattern forcing two regimes of Arctic circulation: A return to anticyclonic conditions?. *Geophys.Res.Lett.*, 26(11):1621-1624, 1999.

Department of WHOI Author: PO.

Contribution Number: **NONE**

Joyce, Terrence M..

One hundred plus years of wintertime climate variability in the Eastern US. *J.Clim.*, 15:(1076-1086, 2002.

Department of WHOI Author: PO.

Contribution Number: **10451**

Kozubskaya, G. I., A. Konyaev, A. J. Plueddemann, K. D. Sabinin.

Internal waves at the slope of the Bear Island Trough from the Barents Sea Polar Front Experiment (BSPF-92). *Oceanology*, 39(2):147-154, 1999.

Department of WHOI Author: PO.

Contribution Number: **NONE**

Legg, Sonya, James C. McWilliams.

Convective modifications of a geostrophic eddy field. *J.Phys.Oceanogr.*, 31(4):874-891, 2001.

Department of WHOI Author: PO.

Contribution Number: **10105**

Lozier, M. Susan, Glen Gawarkiewicz

Cross-frontal exchange in the Middle Atlantic Bight as evidenced by surface drifters. *J.Phys.Oceanogr.*, 31:2498-2510, 2001.

Department of WHOI Author: PO.

Contribution Number: **NONE**

Mahrt, L., D. Vickers, J. Edson, J. M. Wilczak, J. Hare, J. Hojstrup.

Vertical structure of turbulence in offshore flow during Rasex. *Bound.-Layer.Meteorol.*, 100(1):47-61, 2001.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

Marchal, Olivier, Roger Francois, Thomas R. Stocker, Fortunat Joos.

Ocean thermohaline circulation and sedimentary ²³¹Pa/²³⁰Th ratio. *Paleoceanography*, 15(6):625-641, 2000.

Department of WHOI Author: MCG.

Contribution Number: **NONE**

Moore, J., K. Hughen, G. Miller, J. Overpeck.

Little ice age recorded in summer temperature reconstruction from varved sediments of Donard Lake, Baffin Island, Canada. *J.Paleolimnol.*, 24(4):503-517, 2001.

Department of WHOI Author: MCG.

Contribution Number: **NONE**

Norheim, C. A., T. H. C. Herbers, Steve Elgar.

Nonlinear evolution of surface wave spectra on a beach. *J.Phys.Oceanogr.*, 28:1534-1551, 1998.

Department of WHOI Author: AOPE.

Contribution Number: **NONE**

Norris, Richard D., Karen L. Bice, Elizabeth A. Magno, Paul A. Wilson.

Jiggling the tropical thermostat in the Cretaceous hothouse. *Geology*, 30(4):299-302, 2002.

Department of WHOI Author: GEOL.

Contribution Number: **NONE**

Pearson, A., A. P. McNichol, B. C. Benitez-Nelson, J. M. Hayes, T. I. Eglinton.

Origins of lipid biomarkers in Santa Monica Basin surface sediment: A case study using compound-specific $\delta^{14}\text{C}$ analysis. *Geochim.Cosmochim.Acta*, 65(18):3123-3137, 2001.

Department of WHOI Author: MCG.

Contribution Number: **NONE**

Pfister, Leonhard, Henry B. Selkirk, Eric J. Jensen, Mark R. Schoeberl, Owen B. Toon, Edward V. Browell, William B. Grant, Bruce Gary, Michael J. Mahoney, Thaopaul V. Bui, Eric Hinsta.

Aircraft observations of thin cirrus clouds near the tropical tropopause.

J.Geophys.Res., 106(D9):9765-9786, 2001.

Department of WHOI Author: MCG.

Contribution Number: **NONE**

Phillips, Helen E., Stephen R. Rintoul.

A mean synoptic view of the subantarctic front south of Australia. *J.Phys.Oceanogr.*, 32:1536-1553, 2002.

Department of WHOI Author: PO.

Contribution Number: **NONE**

Pike, S. M., S. B. Moran.

Trace elements in aerosol and precipitation at New Castle, NH, USA.
Atmos. Environ., 35:3361-3366, 2001.
Department of WHOI Author: MCG.
Contribution Number: **NONE**

Plueddemann, A. J..

Review of "Data analysis methods in physical oceanography" by W. J. Emery and R. E. Thompson. *Oceanography*, 12(3):53-54, 1999.
Department of WHOI Author: PO.
Contribution Number: **NONE**

Polyakov, I. V., A. Y. Proshutinsky, M. A. Johnson.

Seasonal cycles in two regimes of Arctic climate. *J.Geophys.Res.*, 104(C11):25,761-25,788, 1999.
Department of WHOI Author: PO.
Contribution Number: **NONE**

Proshutinsky, A., I. V. Polyakov, M. Johnson.

Climate states and variability of Arctic ice and water dynamics during 1946-1997.
Polar Res., 18(2):135-142, 2000.
Department of WHOI Author: PO.
Contribution Number: **NONE**

Reddy, C. M., J. G. Quinn.

The north cape oil spill: hydrocarbons in Rhode Island coastal waters and Point Judith pond. *Mar. Environ. Res.*, 52:445-461, 2001.
Department of WHOI Author: MCG.
Contribution Number: **NONE**

Ruessink, B. G., J. R. Miles, F. Feddersen, R. T. Guza, S. Elgar.

Modeling the alongshore current on barred beaches. *J.Geophys.Res.*, 106:22,451-22,463, 2001.
Department of WHOI Author: AOPE.
Contribution Number: **10355**

Saito, Mak A., James W. Moffett.

Temporal and spatial variability of cobalt in the Atlantic Ocean.
Geochim.Cosmochim.Acta, 66(11):1943-1953, 2002.
Department of WHOI Author: MCG.
Contribution Number: **10623B**

Schrag, Daniel P., Jess F. Adkins, Katherine McIntyre, Jane L. Alexander, David A. Hodell, Christopher D. Charles, Jerry F. McManus.

The oxygen isotopic composition of seawater during the Last Glacial Maximum.
Quat.Sci.Rev., 21:331-342, 2002.
Department of WHOI Author: GEOL.
Contribution Number: **NONE**

Seim, Harvey E., David P. Winkel, Glen Gawarkiewicz, Michael C. Gregg.

A benthic front in the Straits of Florida and its relationship to the structure of the Florida current. *J.Phys.Oceanogr.*, 29(12):3125-3132, 1999.
Department of WHOI Author: PO.
Contribution Number: **9897**

Wang, Xu-Chen, Robert F. Chen, Jean Whelen, Lorraine Eglinton.

Contribution of "old" carbon from natural marine hydrocarbon seeps to sedimentary and dissolved organic carbon pools in the Gulf of Mexico. *Geophys.Res.Let.*, 28(17):3313-3316, 2001.
Department of WHOI Author: MCG.
Contribution Number: **NONE**

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

Synoptic storms in the development of the 1997 warming and freshening event in the Beaufort Sea. *Geophys.Res.Lett.*, 28(5):799-802, 2001.
Department of WHOI Author: PO. GEOL.
Contribution Number: **10236**

Yu, Lisan, Michele M. Rienecker.

Indian Ocean warming of 1997-1998. *J.Geophys.Res.*, 105(C7):16,923-16,939, 2000.
Department of WHOI Author: PO.
Contribution Number: **10135**

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