

## Martha's Vineyard Coastal Observatory: Publications

2012

McCarthy, S.C., Gould, Jr., R.W., Richman, J., Kearney, C. and Lawson, A., Impact of Aerosol Model Selection on Water-Leaving Radiance Retrievals from Satellite Ocean Color Imagery: *Remote Sens.* 2012, 4, 3638-3665; doi:10.3390/rs4123638: Remote Sensing ISSN 2072-4292: [www.mdpi.com/journal/remotesensing](http://www.mdpi.com/journal/remotesensing).

Sherwood, C.R., Dickhudt, P.J., Martini, M.A., Montgomery, E.T., and Boss, E.S., 2012, Profile measurements and data From the 2011 Optics, Acoustics, and Stress In Situ (OASIS) project at the Martha's Vineyard Coastal Observatory: U.S. Geological Survey Open-File Report 2012&ndash;1178, at <http://pubs.usgs.gov/of/2012/1178/>.

2011

Fewings, M. R. and S. J. Lentz (2011). "Summertime cooling of the shallow continental shelf." *J. Geophys. Res.* 116(C7): C07015. DOI: 10.1029/2010jc006744.

Jamet, C., H. Loisel, et al. (2011). "Comparison of three SeaWiFS atmospheric correction algorithms for turbid waters using AERONET-OC measurements." *Remote Sensing of Environment* 115(8): 1955-1965. DOI: 10.1016/j.rse.2011.03.018.

2010

Fewings, M. R. and S. J. Lentz (2010). "Momentum balances on the inner continental shelf at Martha's Vineyard Coastal Observatory." *Journal of Geophysical Research* 115(C12023): 15pp. DOI: 10.1029/2009JC005578.

Ganju, N. K. and C. R. Sherwood (2010). "Effect of roughness formulation on the performance of a coupled wave, hydrodynamic, and sediment transport model." *Ocean Modelling* 33(3-4): 299-313. DOI: 10.1016/j.ocemod.2010.03.003.

2009

Boss, E., W. H. Slade, et al. (2009). "Acceptance angle effects on the beam attenuation in the ocean." *Optics Express* 17(3): 1535-1550.

Hong, X. D., P. J. Martin, et al. (2009). "High SST variability south of Martha's Vineyard: Observation and modeling study." *Journal of Marine Systems* 78(1): 59-76. DOI: 10.1016/j.jmarsys.2009.03.001.

Zibordi, G., B. Holben, et al. (2009). "AERONET-OC: A Network for the Validation of Ocean Color Primary Products." *Journal of Atmospheric and Oceanic Technology* 26(8): 1634-1651. DOI: 10.1175/2009JTECHO654.1.

2008

Cardenas, M. B., P. L. M. Cook, et al. (2008). "Constraining denitrification in permeable wave-influenced marine sediment using linked hydrodynamic and biogeochemical modeling." *Earth and Planetary Science Letters* 275(1-2): 127-137. DOI: 10.1016/j.epsl.2008.08.016.

Feng, H., D. Vandemark, et al. (2008). "Evaluation of MODIS ocean colour products at a northeast United States coast site near the Martha's Vineyard Coastal Observatory." *International Journal of Remote Sensing* 29(15): 4479-4497.

Fewings, M., S. J. Lentz, et al. (2008). "Observations of Cross-Shelf Flow Driven by Cross-Shelf Winds on the Inner Continental Shelf." *Journal of Physical Oceanography* 38(11): 2358-2378. DOI: 10.1175/2008JPO3990.1.

Gerbi, G. P., J. H. Trowbridge, et al. (2008). "Measurements of momentum and heat transfer across the air-sea interface." *Journal of Physical Oceanography* 38(5): 1054-1072. DOI: 10.1175/2007JPO3739.1.

Lentz, S. J. (2008). "Seasonal Variations in the Circulation over the Middle Atlantic Bight Continental Shelf." *Journal of Physical Oceanography* 38(7): 1486-1500. DOI: 10.1175/2007jpo3767.1.

Lentz, S. J., M. Fewings, et al. (2008). "Observations and a Model of Undertow over the Inner Continental Shelf." *Journal of Physical Oceanography* 38(11): 2341-2357. DOI: 10.1175/2008JPO3986.1.

2007

Boyle, J. P. (2007). "Field results from a second-generation ocean/lake surface contact heat flux, solar irradiance, and temperature measurement instrument - The multisensor float." *Journal of Atmospheric and Oceanic Technology* 24(5): 856-876. DOI: 10.1175/Jtech1898.1.

Edson, J., T. Crawford, et al. (2007). "The coupled boundary layers and air-sea transfer experiment in low winds." *Bulletin of the American Meteorological Society* 88(3): 341+. DOI: 10.1175/Bams-88-3-341.

Elmore, P. A. R., M.D. ; Wilkens, R.H. (2007). "Exercising a Deterministic Mine Burial Prediction System for Impact and Scour Burial Using Operational Data Sets." *IEEE Journal of Oceanic Engineering* 32(1): 273 - 283. DOI: 10.1109/JOE.2007.890989.

Hatton, K. A., D. L. Foster, et al. (2007). "Numerical Simulations of the Flow and Sediment Transport Regimes Surrounding a Short Cylinder." Oceanic Engineering, IEEE Journal of 32(1): 249-259. DOI: 10.1109/JOE.2007.890986.

Mayer, L. A. R., R.; Glang, G.; Richardson, M.D.; Traykovski, P.; Trembanis, A.C. (2007). "High-Resolution Mapping of Mines and Ripples at the Martha's Vineyard Coastal Observatory " IEEE Journal of Oceanic Engineering 32(1): 133 - 149 DOI: 10.1109/JOE.2007.890953.

Olson, R. J. and H. M. Sosik (2007). "A submersible imaging-in-flow instrument to analyze nano-and microplankton: Imaging FlowCytobot." Limnology and Oceanography-Methods 5: 195-203.

Paul, J., C. Scholin, et al. (2007). "In Situ Instrumentation." Oceanography 20(2): 70-78.

Traykovski, P. (2007). "Observations of wave orbital scale ripples and a nonequilibrium time-dependent model." Journal of Geophysical Research-Oceans 112(C6). DOI: 10.1029/2006JC003811.

Traykovski, P., M. D. Richardson, et al. (2007). "Mine burial experiments at the Martha's vineyard coastal observatory." IEEE Journal of Oceanic Engineering 32(1): 150-166. DOI: 10.1109/JOE.2007.890956.

Trembanis, A. C., C. T. Friedrichs, et al. (2007). "Predicting seabed burial of cylinders by wave-induced scour: Application to the sandy inner shelf off Florida and Massachusetts." IEEE Journal of Oceanic Engineering 32(1): 167-183. DOI: 10.1109/JOE.2007.890958.

Wolfson, M. L., D. F. Naar, et al. (2007). "Multibeam Observations of Mine Burial Near Clearwater, FL, Including Comparisons to Predictions of Wave-Induced Burial." Oceanic Engineering, IEEE Journal of 32(1): 103-118.

## 2006

McNeil, C. L., B. Ward, et al. (2006). "Fluxes of N(2), O(2), and CO(2) in nearshore waters off Martha's Vineyard." Continental Shelf Research 26(11): 1281-1294. DOI: 10.1016/j.csr.2006.04.008.

Wilkin, J. L. (2006). "The summertime heat budget and circulation of southeast new England shelf waters." Journal of Physical Oceanography 36(11): 1997-2011. DOI: 10.1175/JPO2968.1.

Zibordi, G., B. Holben, et al. (2006). "A Network for Standardized Ocean Color Validation Measurements." EOS 87(30).

## 2005

Goff, J. A., L. A. Mayer, et al. (2005). "Detailed investigation of sorted bedforms, or "rippled scour depressions," within the Martha's Vineyard Coastal Observatory, Massachusetts." Continental Shelf Research 25(4): 461-484. DOI: 10.1016/j.csr.2004.09.019.

Williams, A. J., E. A. Terray, et al. (2005). "Bottom Stress Measurements in Shallow Water under Waves." Environmental research, engineering and management 32(2): 5-12.

Zemmelink, H. J., L. Houghton, et al. (2005). "Gradients in dimethylsulfide, dimethylsulfoniopropionate, dimethylsulfoxide, and bacteria near the sea surface." Marine Ecology-Progress Series 295: 33-42. DOI: 10.3354/meps295033.

## 2002

Austin, T. C., J. B. Edson, et al. (2002). "A network-based telemetry architecture developed for the Martha's Vineyard Coastal Observatory." IEEE Journal of Oceanic Engineering 27(2): 228-234.

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