

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.

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 2012–1178, 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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