

# Atlantic Oceanographic and Meteorological Laboratory

## FY-2007 Publications

October 1, 2006 - September 30, 2007

(Names of AOML authors appear in CAPITAL letters)

### Peer-Reviewed Publications

- [1] ABERSON, S.D., M.T. MONTGOMERY, M.M. Bell, and M.L. BLACK. Hurricane Isabel (2003): New insights into the physics of intense storms, Part II: Extreme localized wind. *Bulletin of the American Meteorological Society*, 87(10):1349-1354 (2006).
- [2] ATLAS, R., S.-J. Lin, B.-W. Shen, O. Reale, and K.-S. Yeh. Improving hurricane prediction through innovative global modeling. In *Extending the Horizons: Advances in Computing, Optimization, and Decision Technologies*, E.K. Baker, A. Joseph, A. Mehrotra, and M.A. Trick (eds.). Springer, 1-14 (2007).
- [3] Ayina, L.-H., A. Bentamy, A.M. MESTAS-NUNEZ, and G. Madec. The impact of satellite winds and latent heat fluxes in a numerical simulation of the tropical Pacific Ocean. *Journal of Climate*, 19(22):5889-5902 (2006).
- [4] BARINGER, M.O., and S.L. GARZOLI. Meridional heat transport determined with expendable bathythermographs, Part I: Error estimates from model and hydrographic data. *Deep-Sea Research, Part I*, 54(8):1390-1401 (2007).
- [5] BARINGER, M.O., and C.S. MEINEN. Global oceans: The meridional overturning circulation and oceanic heat transport. In *State of the Climate in 2006*, A. Arguez, A.M. Waple, and A.M. Sanchez-Lugo (eds.). *Bulletin of the American Meteorological Society*, 88(6):S38-S39 (2007).
- [6] Baums, I.B., K.D. GOODWIN, T.L. Kiesling, D. WANLESS, M.R. Diaz, and J.W. Fell. Luminex detection of fecal indicators in river samples, marine recreational water, and beach sand. *Marine Pollution Bulletin*, 54(5):521-536 (2007).
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- [10] Broecker, W.S., and R. WANNINKHOF. Mono Lake radiocarbon: The mystery deepens. *EOS, Transactions, American Geophysical Union*, 88(12):141-142 (2007).
- [11] Casal, T.G.D., L.M. Beal, and R. LUMPKIN. A North Atlantic deep-water eddy in the Agulhas Current system. *Deep-Sea Research, Part I*, 53(10):1718-1728 (2006).
- [12] Cerveny, R.S., J. Lawrimore, R. Edwards, and C.W. LANDSEA. Extreme weather records: Compilation, adjudication, and publication. *Bulletin of the American Meteorological Society*, 88(6):853-860 (2007).

- [13] Chen, S.S., J.A. Knaff, and F.D. MARKS. Effects of vertical wind shear and storm motion on tropical cyclone rainfall asymmetries deduced from TRMM. *Monthly Weather Review*, 134(11):3190-3208 (2006).
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- [18] DONG, S., S.T. Gille, and J. Sprintall. An assessment of the Southern Ocean mixed layer heat budget. *Journal of Climate*, 20(17):4425-4442 (2007).
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- [72] ZHANG, J.-Z., and X.-L. HUANG. Relative importance of solid-phase phosphorus and iron on the sorption behavior of sediments. *Environmental Science and Technology*, 41(8):2789-2795 (2007).

### **Technical Reports**

- [1] McArthur, C.J., S.J. STAMATES, and J.R. PRONI. Review of the real-time current monitoring requirement for the Miami Ocean Dredged Material Disposal Site. NOAA Technical Memorandum, OAR AOML-95, 13 pp. (2006).

### **Conference Papers/Bulletins/Newsletters**

- [1] ATLAS, R., O. Reale, J. Ardizzone, J. Terry, J.-C. Jusem, E. Brin, D. Bungato, and J.F. Le Marshall. Evaluation of WINDSAT surface wind data and its impact on ocean surface wind analyses and numerical weather prediction. *Preprints, 11th Symposium on Integrated Observing and Assimilation Systems for the Atmosphere, Oceans, and Land Surface (IOAS-AOLS)*, San Antonio, TX, January 14-18, 2007. American Meteorological Society, Boston, CD-ROM, 6 pp. (2007).
- [2] Bourles, B., P. Brandt, G. Caniaux, M. Dengler, Y. Gouriou, E. Key, R. LUMPKIN, F. Marin, R.L. MOLINARI, and C. SCHMID. African Monsoon Multidisciplinary Analysis (AMMA): Special measurements in the tropical Atlantic. *CLIVAR Exchanges*, 12(2):7-9 (2007).
- [3] DORST, N.M., and E. RULE. Fifty years of NOAA hurricane research. *Mariners Weather Log*, 51(1):10-13 (2007).
- [4] HENDEE, J.C. The integrated coral observing network. *Earth System Monitor*, 15(4):10 (2007).
- [5] MARKS, F.D. Recent results from NOAA's hurricane Intensity Forecast Experiment (IFEX). *Preprints, 11th Symposium on Integrated Observing and Assimilation Systems for the Atmosphere, Oceans, and Land Surface (IOAS-AOLS)*, San Antonio, TX, January 14-18, 2007. American Meteorological Society, Boston, CD-ROM, 6 pp. (2007).