

2008 (35)

- Anitha, G. M. Ravichandran, R. Sayanna, 2008 : Surface buoyancy flux in the Bay of Bengal and Arabian Sea. *Annales Geophysicae*, 26 (3), 395-400.
- Barre, N., C. Provost, N. Sennechael, et al, 2008 : Circulation in the Ona Basin, southern Drake Passage. *Journal of Geophysical Research - Oceans*, 113 (C4) Art.No.:C04033.
- Bower, A.S., W.J. von Appen, 2008: Interannual variability in the pathways of the North Atlantic current over the Mid-Atlantic Ridge and the impact of topography. *Journal of Physical Oceanography*, 38 (1), 104-120.
- Campbell, R.W., 2008: Overwintering habitat of *Calanus finmarchicus* in the North Atlantic inferred from autonomous profiling floats. *Deep-Sea Research* 55:630-645.
- Carton, J.A., S.A. Grodsky, and H. Liu, 2008: Variability of the Oceanic Mixed Layer, 1960-2004. *Journal of Climate*, 5, 1029-1047.
- Cazes-Boezio, G., D. Menemenlis, and C.R. Mechoso, 2008: Impact of ECCO Ocean-State Estimates on the Initialization of Seasonal Climate Forecasts. *Journal of Climate*, 21 (9), 1929-1947.
- Chiggiato, J. and P. Oddo, 2008: Operational ocean models in the Adriatic Sea: a skill assessment. *Ocean Sci.*, 4, 61-71.
- Chu, P.C., L.M. Ivanov, O.V. Melnichenkov, et al, 2008: Argo floats revealing bimodality of large-scale mid-depth circulation in the North Atlantic. *Acta Oceanologica Sinica*, 27(2), 1-10.
- Dong, S. J. Sprintall, S.T. Gille, et al, 2008: Southern Ocean mixed-layer depth from Argo float profiles. *Journal of Geophysical Research-Oceans*, 113 (C6).
- Forget, G., H. Mercier, B. Ferron, 2008: Combining Argo Profiles with a general circulation model in the North Atlantic. Part 1: Realistic transports and improved hydrography, between spring 2002 and spring 2003. *Ocean Modelling*, 20 (1), 17-34.
- Forget, G., H. Mercier, B. Ferron, 2008: Combining Argo Profiles with a general circulation model in the North Atlantic. Part 2: Estimation of hydrographic and circulation anomalies from synthetic profiles, over a year. *Ocean Modelling*, 20 (1), 1-16.
- Gascard, J-C and K. A. Mork, 2008: Climatic Importance of Large Scale and Mesoscale Circulation in the Lofoten Basin deduced from Lagrangian Observation. Chapter 6 pp131-143 In *Arctic-Subarctic Ocean Fluxes. Defining the Role of the Northern Seas in Climate*.

- R. R. Dickson, J. Meincke and P Rhines (Eds). Springer, ISBN 978-1-4020-6773-0, 736pp
- Gronell, A., and S.E. Wijffels, 2008: A Semiautomated Approach for Quality Controlling Large Historical Ocean Temperature Archives. *Journal of Atmospheric and Oceanic Technology*, 25 (6), 990-1003.
- Gourdeau, L., W.S. Kessler, R.E. Davis, et al, 2008: Zonal Jets Entering the Coral Sea. *Journal of Physical Oceanography*, 3, 715-725.
- Heffner, D.M., B. Subrahmanyam, J.F. Shriver, 2008: Indian Ocean Rossby waves detected in HYCOM sea surface salinity. *Geophysical Research Letters*, 35 (3).
- Huang, Y.P., L.J. Kao, and F.E. Sandnes, 2008: Efficient mining of salinity and temperature association rules from Argo data. *Expert Systems with Applications*, 35 (1-2), 59-68.
- Kohl, A. and D. Stammer, 2008: Decadal Sea Level Changes in the 50-year GECCO Ocean Synthesis. *Journal of Climate*, 21 (9), 1876-1890.
- LaCasce, J.H., 2008: Statistics from Lagrangian observations. *Progress in Oceanography*, 77(1), 1-29.
- Oke, P.R., G.B. Brassington, D.A. Griffen, et al, 2008: The Bluelink ocean data assimilation system (BODAS). *Ocean Modelling*, 21 (1-2), 46-70.
- Park, Y-H, F. Roquet, I. Durand & J.L. Fuda, 2008: Large-scale circulation over and around the Northern Kerguelen Plateau. *Deep Sea Research Part II: Tropical Studies in Oceanography*, 55 (5-7), 566-581.
- Qu, T.D., S. Gao, I. Fukumori, et al, 2008: Subduction of South Pacific waters. *Geophysical Research Letters*, 35 (2).
- Riser, S.C. and K.S. Johnson, 2008: Net production of oxygen in the subtropical ocean. *Nature*, 451, 323-326.
doi:10.1038/nature06441.
- Sallé, J.B., K. Speer, and R. Morrow, 2008: Response of the Antarctic Circumpolar Current to Atmospheric Variability. *Journal of Climate*, 21 (12), 3020-3039.
- Schiller, A., P.R. Oke, G. Brassington, et al, 2008: Eddy-resolving ocean circulation in the Asian-Australian region inferred from an ocean reanalysis effort. *Progress in Oceanography*, 76 (3), 334-365.

- Smith, R.O., H. L. Bryden, and K. Stansfield, 2008: Observations of new western Mediterranean deep water formation using Argo floats 2004-2006, *Ocean Science*, 4, 133-149.
- Sproson, D.A.J., I.A. Renfrew, and K.J. Heywood, 2008: Atmospheric conditions associated with oceanic convection in the south-east Labrador Sea. *Geophysical Research Letters*, 35(6).
- Sreenivas, P., K.V.K.R.K. Patnaik, K.V.S.R. Prasad, 2008: Monthly variability of mixed layer over Arabian Sea using ARGO data. *Marine Geodesy*, 31 (1), 17-38.
- Stramma, L., G. C. Johnson, J. Sprintall, and V. Mohrholz. 2008. Expanding Oxygen-Minimum Zones in the Tropical Oceans. *Science*, 320, 655-658, doi: 10.1126/science.1153847.
- Stramma, L., P. Brandt, J. Schafstall, et al:2008: Oxygen minimum zone in the North Atlantic south and east of the Cape Verde Islands. *Journal of Geophysical Research - Oceans*. 113 (C4) Art.No: C04016.
- Thacker, W.C., 2008: Estimating Salinity between 25° and 45°S in the Atlantic Ocean Using Local Regression. *Journal of Atmospheric and Oceanic Technology*, 25 (1), 114-130.
- Thadathil, P., P. Thoppil, R.R. Rao, et al, 2008: Seasonal Variability of the Observed Barrier Layer in the Arabian Sea. *Journal of Physical Oceanography*, 3, 624-638.
- Thierry, V., E. de Boisséson and H. Mercier, 2008 : Interannual variability of the Subpolar Mode Water properties over the Reykjanes Ridge during 1990-2006. *Journal of Geophysical Research*, 113, C04016, doi:10.1029/2007JC004443.
- Tonani, M., N. Pinardi, S. Dobricic, I. Pujol, C. Fratianni, 2008: A high-resolution free surface model of the Mediterranean Sea. *Ocean Sci.*, 4, 1-14.
- Tranchant, B., C-E. Testut, L. Renault, et al, 2008: Expected impact of the future SMOS and Aquarius Ocean surface salinity missions in the Mercator Ocean operational systems: New perspectives to monitor ocean circulation. *Remote Sensing of Environment*, 112(4), 1476-1487.
- Xie, J., J. Zhu, and Y. Li, 2008: Assessment and inter-comparison of five high-resolution sea surface temperature products in the shelf and coastal seas around China. *Continental Shelf Research*, 28(10-11), 1286-1293.

- Acreman, D.M., and C.D. Jeffery, 2007: The use of Argo for validation and tuning of mixed layer models. *Ocean Modelling*, 19 (1-2): 53-69.
- Achutaroa, K.M., M. Ishii, B.D. Santer, et al., 2007: Simulated and observed variability in ocean temperature and heat content. *Proc Natl Acad Sci USA* 104 (26): 10768-73.
- Agarwal, N., R. Sharma, S. Basu, et al, 2007: Derivation of salinity profiles in the Indian ocean from satellite surface observations. *IEEE Geoscience and Remote Sensing Letters* 4 (2): 322-325.
- Aoki, S., M. Hariyama, H. Mitsudera, H. Sasaki, Y. Sasai, 2007: Formation regions of Subantarctic Mode Water detected by OFES and Argo profiling floats. *Geophysical Research Letters* 34 (10): Art. No. L10606.
- Balmaseda, M., D. Anderson, A. Vidard, 2007: Impact of Argo on analyses of the global ocean. *Geophysical Research Letters* 34(16): Art. No. L16605.
- Baringer, M.O., S.L. Garzoli, 2007: Meridional heat transport determined with expendable bathythermographs - Part 1: Error estimates from model and hydrographic data. *Deep-Sea Research Part I - Oceanographic Research Papers* 54(8): 1390-1401.
- Batten, S.D. and H.J. Freeland, 2007: Plankton populations at the bifurcation of the North Pacific Current. *Fisheries Oceanography*, 16(6), 536-546.
- Bhaskar, T.V.S.U., D. Swain, M. Ravichandran, 2007: Mixed layer variability in Northern Arabian Sea as detected by an Argo float. *Ocean Science Journal*, Vol. 42, No. 4, 241-246.
- Black, PG, EA D'Asaro, WM Drennan, et al, 2007: Air-sea exchange in hurricanes - Synthesis of observations from the coupled boundary layer air-sea transfer experiment. *Bulletin of the American Meteorological Society* 88 (3).
- Carmack, E.C., 2007: The alpha/beta ocean distinction: A perspective on freshwater fluxes, convection, nutrients and productivity in high-latitude seas. *Deep Sea Research Part II: Tropical Studies in Oceanography*, 54 (23-26), 2578-2598.
- Chassignet, E.P., H.E. Hurlburt, O.M. Smedstad, et al, 2007: The HYCOM (Hybrid Coordinate Ocean Model) data assimilative system. *Journal of Marine Systems*, 65 (1-4), 60-83.
- Chen, SM., B. Qiu, P. Hacker, 2007: Profiling float measurements of the recirculation gyre south of the Kuroshio Extension in May to

- November 2004. Journal of Geophysical Research - Oceans 112 (C5): Art. No. C05023.
- Chinn, B. S. and S. T. Gille, 2007: Estimating Eddy Heat Flux from Float Data in the North Atlantic: The Impact of Temporal Sampling Interval. J. Atmos. Ocean. Tech., 24, 923-934.
- Chu, P.C., L.M. Ivanov, O.V. Melnichenko, N.C. Wells, 2007: On long baroclinic Rossby waves in the tropical North Atlantic observed from profiling floats, Journal of Geophysical Research - Oceans 112 (C5): Art. No. C05032.
- Crawford, W., J. Galbraith, N. Bollingbroke, 2007: Line P ocean temperature and salinity, 1956-2005. Progress in Oceanography, 75 (2), 161-178.
- Crawford, W.R., P.J. Brickley, A.C. Thomas, 2007: Mesoscale eddies dominate surface phytoplankton in northern Gulf of Alaska. Progress in Oceanography, 75 (2), 287-303.
- Crosnier, L. and C. Le Provost, 2007: Inter-comparing five forecast operational systems in the North Atlantic and Mediterranean basins: The MERSEA-strand1 methodology. Journal of Marine Systems, 65 (1-4), 354-375.
- Cummins, P.F. and H.J. Freeland, 2007: Variability of the North Pacific Current and its bifurcation. Prog. In Oceanog. 75, 253-265.
- D'Asaro, E. and C. McNeil, 2007: Air-sea gas exchange at extreme wind speeds measured by autonomous oceanographic floats. Journal of Marine Systems 66 (1-4): 92-109.
- D'Asaro, E.A. and R.C. Lien, 2007: Measurement of scalar variance dissipation from Lagrangian floats. J. Atmos. Oceanic Technol., 24, 1066-1077.
- D'Asaro, E.A., 2007: Solar power for autonomous floats. J. Atmos. Oceanic Technol., 24, 1309-1314.
- de Boyer Montegut, C., J. Mignot, A. Lazar, S. Cravatte, 2007: Control of salinity on the mixed layer depth in the world ocean. 1. General description. Journal of Geophysical Research - Part C - Oceans, 112 (6).
- Dobricic, S, N Pinardi, M Adani, M Tonani, C Fratianni, A Bonazzi, and V Fernandez, 2007: Daily oceanographic analyses by Mediterranean Forecasting System at the basin scale. Ocean Science, 3, 149-157.
- Dong, S., S.T. Gille, J. Sprintall, 2007: An assessment of the Southern Ocean mixed layer heat budget. Journal of Climate

20(17): 4425-4442.

Durand, F., D. Shankar, C. de Boyer Monétgut, et al, 2007: Modeling the Barrier-Layer Formation in the Southeastern Arabian Sea. *Journal of Climate*, 20 (10), 2109-2120.

Forget, G., C. Wunsch, 2007: Estimated global hydrographic variability. *Journal of Physical Oceanography* 37(8).

Freeland, H., D. Roemmich, W.J. Gould and M. Belbeoch, 2007: Argo - a global ocean observing system for the 21st century. In: *The Full Picture*, Paris, Group on Earth Observations (GEO). Edited by the GEO Secretariat, pp 67-71.

Garzoli, S.L., M.O. Baringer, 2007: Meridional heat transport determined with expendable bathythermographs - Part II: South Atlantic transport. *Deep-Sea Research Part I - Oceanographic Research Papers* 54(8): 1402-1420.

Gong, D.J., Y.H. Chen, S.R. Li, et al, 2007: A moored underwater energy conservation system for profiling measurement. *China Ocean Engineering* 21 (3): 541-548.

Griffa, A., A.D. Kirwin Jr., A.J. Mariano, T. Özgökmen & T. Rossby (Eds), 2007: *Lagrangian Analysis and Prediction of Coastal and Ocean Dynamics*. Cambridge University Press, 2007.

Hackert, E, J. Ballabrera-Poy, AJ Busalacchi, RH Zhang, R Murtugudde, 2007: Comparison between 1997 and 2002 El Nino events: Role of initial state versus forcing. *Journal of Geophysical Research-Oceans* 112 (C1)

Hadfield, RE, NC Wells, SA Josey & JJM Hirschi, 2007: On the accuracy of North Atlantic temperature and heat storage fields from Argo. *Journal of Geophysical Research-Oceans* 112 (C1)

Hansen, J.A., C. Penland, 2007: On stochastic parameter estimation using data assimilation. *Physica D* 230 88-98.

Hátún, H., C.C. Eriksen, and P.B. Rhines, 2007: Buoyant Eddies Entering the Labrador Sea Observed with Gliders and Altimetry. *Journal of Physical Oceanography*, 37 (12), 2838-2854.

Hu, H., Q. Liu, X. Lin, W. Liu, 2007: The South Pacific Subtropical Mode Water in the Tasman Sea. *Journal of Ocean University of China*, 6 (2), 107-116.

Hyrenbach, K.D., Viet, R.R., H. Weimerskirch, et al, 2007: Community structure across a large-scale ocean productivity gradient: Marine bird assemblages of the Southern Indian Ocean. *Deep Sea Research Part I: Oceanographic Research Papers*, 54 (7), 1129-

1145.

- Ingleby, B. and M. Huddleston, 2007: Quality control of ocean temperature and salinity profiles - Historical and real-time data. *Journal of Marine Systems*, 65 (1-4), 158-175.
- Iudicone, D., K.B. Rodgers, R. Schopp, and G. Madec, 2007: An Exchange Window for the Injection of Antarctic Intermediate Water into the South Pacific. *Journal of Physical Oceanography*, 37 (1), 31-49.
- Ivchenko, V.O., S.D. Danilov, D.V. Sidorenko, J. Schroeter, M. Wenzel, D.L. Aleynik, 2007: Comparing the steric height of the Northern Atlantic with satellite altimetry. *Ocean Sci Discuss*, 4, 441-457.
- Johnson, G. C., J. M. Toole, and N. G. Larson, 2007: Sensor corrections for Sea-Bird SBE-41CP and SBE-41 CTDs. *Journal of Atmospheric and Oceanic Technology*, 24, 1117-1130.
- Johnson, G.C., and J.M. Lyman, 2007: Global Oceans: Sea Surface Salinity. In *State of the Climate in 2006*, A. Arguez, Ed., *Bulletin of the American Meteorological Society*, 88, 6, S34-S35.
- Johnson, G.C., J.M. Lyman and J.K. Willis, 2007: Global Oceans: Heat Content. In *State of the Climate in 2006*, A. Arguez, Ed., *Bulletin of the American Meteorological Society*, 88, 6, S31-S33.
- Kako, S., M. Kubota, 2007: Variability of mixed layer depth in Kuroshio/Oyashio Extension region: 2005-2006. *Geophysical Research Letters* 34(11): Art. No. L11612.
- Kikuchi, T., J. Inoue, D. Langevin, 2007: Argo-type profiling float observations under the Arctic multiyear ice. *Deep-Sea Research Part I - Oceanographic Research Papers* 54 (9): 1675-1686.
- Klatt, O., O. Boebel, and E. Fahrbach, 2007: A profiling float's sense of ice. *J. Atmos. Oceanic Technol.*, 24, 1301-1308.
- Köhl, A., D. Stammer, and B. Cornuelle, 2007: Interannual to Decadal Changes in the ECCO Global Synthesis. *Journal of Physical Oceanography*, 37 (2), 313-337.
- Krishnamurti, T.N., A. Chakraborty, R. Krishnamurti, et al, 2007: Passage of intraseasonal waves in the subsurface oceans. *Geophysical Research Letters* 34 (14): Art. No. L14712.
- Lenn, YD, TK Chereskin, J. Sprintall, et al, 2007: Mean jet, mesoscale variability and eddy momentum fluxes in the surface layers of the Antarctic Circumpolar Current in Drake Passage. *Journal of Marine Research* 65 (1): 27-58.
- Mackas, D.L., S. Batten, M. Trudel, 2007: Effects on zooplankton of a

- warmer ocean: Recent evidence from the Northeast Pacific. *Progress in Oceanography*, 75 (2), 223-252.
- Maes, C., L. Gourdeau, X. Couvelard, and A. Ganachaud, 2007: What are the origins of the Antarctic Intermediate Waters transported by the North Caledonian Jet? *Geophys. Res. Lett.*, 34, L21608, doi:10.1029/2007GL031546.
- Marcelli, M., A. Di Maio, D. Donis, U. Mainardi, & G.M.R. Manzella, 2007 : Development of a new expendable probe for the study of pelagic ecosystems from voluntary observing ships. *Ocean Sci.* 3, 311-320.
- Martin, A.J., A. Hines, M.J. Bell, 2007: Data assimilation in the FOAM operational short-range ocean forecasting system: A description of the scheme and its impact. *Quarterly Journal of the Royal Meteorological Society* 133 (625): 981-995 Part B.
- Marullo, S., B. Buongiorno Nardelli, M. Guarracino, and R. Santoleri, 2007: Observing the Mediterranean Sea from space: 21 years of Pathfinder-AVHRR sea surface temperatures (1985 to 2005): re-analysis and validation. *Ocean Sci.*, 3, 288-310.
- Matthews, A., P. Singhruck, K. Heywood, 2007: Deep ocean impact of a Madden-Julian Oscillation observed by Argo floats. *Science*, 318, 1765-1769.
- Mignot, J., C.D. Montegut, A. Lazar, et al, 2007: Control of salinity on the mixed layer depth in the world ocean: 2. Tropical areas. *Journal of Geophysical Research - Oceans* 112 (C10): Art. No. C10010.
- Montegut, C.D., J. Mignot, A. Lazar, and S. Cravatte, 2007: Control of salinity on the mixed layer depth in the world ocean: 1. General description. *Journal of Geophysical Research - Oceans* 112 (C6): Art. No. C06011.
- Moshonkin, S.N., N.A. Diansky, and A.V. Gusev, 2007: Influence of the interaction between the Atlantic and the Arctic Ocean on the Gulf Stream. *Oceanology* 47 (2): 178-190.
- Muraleedharan, K.R., P. Jasmine, C.T. Achuthankutty, et al, 2007: Influence of basin-scale and mesoscale physical processes on biological productivity in the Bay of Bengal during the summer monsoon. *Progress in Oceanography*, 72 (4), 364-383.
- Nanjundiah, R.S., T.N. Krishnamurti, 2007: Intraseasonal oscillation of tropical convergence zones: Theory and prediction. *Current Science* 93 (2): 173-181.

- Nittis, K., C. Tziavos, R. Bozzano, V. Cardin, Y. Thanos, G. Petihakis, M.E. Schiano, F. Zanom, 2007: The M3A multi-sensor buoy network of the Mediterranean Sea. *Ocean Sci.*, 3, 229-243.
- Oka, E., L. D. Talley, and T. Suga, 2007: Temporal variability of winter mixed layer in the mid- to high-latitude North Pacific. *Journal of Oceanography*, 63, 293-307.
- Oke, P.R., A. Schiller, 2007: Impact of Argo, SST and altimeter data on an eddy-resolving ocean reanalysis. *Geophysical Research Letters* 34 (19): Art. No. L19601.
- Paci, A., G. Caniaux, H. Giordani, et al, 2007: A high-resolution simulation of the ocean during the POMME experiment : Mesoscale variability and near surface processes. *Journal of Geophysical Research - Oceans* 112 (C4): Art. No. C04007
- Palmer, M. D., K. Haines, S. F. B. Tett and T. J. Ansell, 2007: Isolating the signal of ocean global warming *Geophys Res Lett*, 34, L23610, doi:10.1029/2007GL031712, 2007.
- Park, J.J., K. Kim, 2007: Evaluation of calibrated salinity from profiling floats with high resolution conductivity-temperature-depth data in the East/Japan Sea. *Journal of Geophysical Research - Oceans* 112 (C5): Art. No. C05049.
- Pickart, R.S., M.A. Spall, 2007: Impact of Labrador Sea convection on the north Atlantic meridional overturning circulation. *Journal of Physical Oceanography* 37 (9): 2207-2227.
- Pizzigalli, C. and V. Rupolo, 2007: Simulations of Argo profilers and of surface floating objects: applications in MSTEP. *Ocean Sci.*, 3, 205-222.
- Pollard, R.T., H.J. Venables, J.F. Read, et al, 2007: Large-scale circulation around the Crozet Plateau controls an annual phytoplankton bloom in the Crozet Basin. *Deep-Sea Research Part II - Tropical Studies in Oceanography* 54 (18-20): 1915-1929.
- Poulain, P.-M., R. Barbanti, J. Font, A. Cruzado, C. Millot, I. Gertman, A. Griffa, A. Molcard, V. Rupolo, S. Le Bras, and L. Petit de la Villeon, 2007 : MedArgo: a drifting profiler program in the Mediterranean Sea. *Ocean Sci.*, 3, 379-395.
- Power, S.B., N. Plummer, P. Alford, 2007: Making climate model forecasts more useful. *Australian Journal of Agricultural Research* 58 (10): 945-951.
- Pun, I.F., I.I. Lin, C.R. Wu, D.H. Ko, W.T. Liu, 2007: Validation and application of altimetry-derived upper ocean thermal structure in the western North Pacific Ocean for typhoon-intensity forecast.

- IEEE Transactions on Geoscience and Remote Sensing 45 (6): 1616-1630 Part 1.
- Qiu, B., S. Chen, & P. Hacker 2007: Effect of mesoscale eddies on Subtropical Mode Water variability from the Kuroshio Extension System Study (KESS). *Journal of Physical Oceanography*, 37, 982-1000.
- Reseghetti, F., 2007: Empirical reconstruction of salinity from temperature profiles with phenomenological constraints. *Ocean Sci. Discuss*, 4, 1-39.
- Reverdin, G. P. Blouch, J. Boutin, et al, 2007: Surface salinity measurements - COSMOS 2005 experiment in the Bay of Biscay. *Journal of Atmospheric and Oceanic Technology* 24 (9): 1643-1654.
- Richardson, P.L., 2007: Agulhas leakage into the Atlantic estimated with subsurface floats and surface drifters. *Deep Sea Research Part I: Oceanographic Research Papers*, 54 (8), 1361-1389.
- Roemmich, D., 2007: Super spin in the southern seas. *Nature*, 449, 34-35.
- Roemmich, D., J. Gilson, R. Davis, P. Sutton, S. Wijffels, & S. Riser, 2007: Decadal spinup of the South Pacific subtropical gyre. *Journal of Physical Oceanography*, 37 (2), 162-173.
- Rogachev, K., N. Shlyk, E. Carmack, 2007: The shedding of mesoscale anticyclonic eddies from the Alaskan stream and westward transport of warm water. *Deep-Sea Research Part II (Tropical Studies in Oceanography)*, 54 (23-26), 2643-56.
- Rong, Z., Y. Liu, H. Zong and Y. Cheng, 2007: Interannual sea level variability in the South China Sea and its response to ENSO. *Global and Planetary Change*, 55 (4), 257-272.
- Ruiz, S., D Gomis, J Font, 2007: Recovery of North-East Atlantic temperature fields from profiling floats: Determination of the optimal float number from sampling and instrumental error analysis. *Journal of Marine Systems* 65 (1-4): 212-223.
- Sanford, T.B., J.F. Price, J.B. Girton, et al, 2007: Highly resolved observations and simulations of the ocean response to a hurricane. *Geophysical Research Letters* 34 (13): Art. No. L13604.
- Sasamal, S.K., 2007: Island wake circulation off Maldives during boreal winter, as visualized with MODIS derived chlorophyll-a data and other satellite measurements. *International Journal of Remote Sensing* 28 (5): 891-903

- Schiermeier, Quirin, 2007: Observing the ocean from within. *NATURE*, 450, 780-781, 6 December 2007.
- Schmid, C., R.L. Molinari, R. Sabina, et al, 2007: The real-time data management system for Argo profiling float observations. *Journal of Atmospheric and Oceanic Technology* 24 (9): 1608-1628.
- Schneider, W., M. Fukasawa, J. Garces-Vargas, et al, 2007: Spin-up of South Pacific subtropical gyre freshens and cools the upper layer of the eastern South Pacific Ocean. *Geophysical Research Letters*, 34 (24): Art No: L24606
- Sloyan, B.M., I.V. Kamenkovich, 2007: Simulation of Subantarctic Mode and Antarctic Intermediate Waters in Climate Models. *Journal of Climate*, 20 (20), 5061-5080.
- Smith, D.M., J.M. Murphy, 2007: An objective ocean temperature and salinity analysis using covariances from a global climate model. *Journal of Geophysical Research - Oceans* 112 (C2): Art. No. C02022.
- Stammer, D., A. Köhl, C. Wuncsh, 2007: Impact of Accurate Geoid Fields on Estimates of the Ocean Circulation. *Journal of Atmospheric and Oceanic Technology*, 24(8), 1464-1478.
- Sugimoto, S., K. Hanawa, 2007: Further evidence for non-reemergence of winter SST anomalies in the North Pacific eastern subtropical mode water area. *Journal of Oceanography* 63 (4): 625-635.
- Thacker, WC, 2007: Estimating salinity to complement observed temperature: 1. Gulf of Mexico. *Journal of Marine Systems* 65 (1-4): 224-248.
- Tomczak, M., 2007: Variability of Antarctic intermediate water properties in the South Pacific Ocean. *Ocean Sci.*, 3, 363-377.
- Ueno, H, E Oka, T Suga, H Onishi, D Roemmich, 2007: Formation and variation of temperature inversions in the eastern subarctic North Pacific. *Geophysical Research Letters* 34 (5): Art. No. L05603.
- Uz, B.M., 2007: What causes the sporadic phytoplankton bloom southeast of Madagascar? *Journal of Geophysical Research - Oceans* 112 (C9): Art. No. C09010.
- Vecchi, G.A., M.J. Harrison, 2007: An observing system simulation experiment for the Indian Ocean. *Journal of Climate* 20 (13): 3300-3319.
- Venables, H.J., R.T. Pollard, E.E. Popova, 2007: Physical conditions controlling the development of a regular phytoplankton bloom north of the Crozet Plateau, Southern Ocean. *Deep-Sea Research*

part II - Tropical Studies in Oceanography 54 (18-20): 1949-1965.

Vidard, A., DLT Anderson, M. Balmaseda, 2007: Impact of ocean observation systems on ocean analysis and seasonal forecasts. *Monthly Weather Review* 135 (2): 409-429

Wajsowicz, R., 2007: Seasonal-to-Interannual Forecasting of Tropical Indian Ocean Sea Surface Temperature Anomalies: Potential Predictability and Barriers. *Journal of Climate*, 20 (12), 3320-3343.

Willis, J. K., J. M. Lyman, G. C. Johnson, and J. Gilson. 2007. Correction to "Recent cooling of the upper ocean". *Geophysical Research Letters*, 34, L16601, doi:10.1029/2007GL030323.

Wunsch, C., P. Heimbach, 2007: Practical global oceanic state estimation. *Physica D - Nonlinear Phenomena* 230(1-2).

Wunsch, C., R.M. Ponte and P. Heimbach, 2007: Decadal trends in sea level patterns: 1993-2004. *Journal of Climate*, 20 (34): 5889-5911.

Yan, C.X., J. Zhu, G.Q. Zhou, 2007: Impacts of XBT, TAO, altimetry and Argo observations on the tropical Pacific Ocean data assimilation. *Advances in Atmospheric Sciences* 24(3): 383-398.

Yeager, S.G., & W.G. Large, 2007: Observational Evidence of Winter Spice Injection. *J. Phys. Oceanogr.*, 37, 2895-2919.

Zhang, S., M.J. Harrison, A. Rosati, et al, 2007: System design and evaluation of couple ensemble data assimilation for global oceanic climate studies. *Monthly Weather Review* 135 (10): 3541-3564.

Zhou, H., PF Guo, JP Xu, et al, 2007: Direct measurements of surface and mid-depth circulation in the Shikoku Basin by Argo profiling floats. *Acta Oceanologica Sinica* 26 (2): 1-11.

2006 (99)

Aagaard, K., T. J. Weingartner, S. L. Danielson, R. A. Woodgate, G. C. Johnson, and T. E. Whitledge, 2006: Some controls on flow and salinity in Bering Strait. *Geophysical Research Letters*, 33, L19602, doi:10.1029/2006GL026612.

Alverson, Keith and D. James Baker, 2006: Taking the Pulse of the Oceans. *Science*, 15 December 2006: p1657.

- Avsic, Tom, Karstensen, J., Send, U., Fischer, J, 2006: Interannual variability of newly formed Labrador Sea Water from 1994 to 2005. *Geophysical Research Letters*, 33(21), L21S02.
- Batten, S.D., K.D. Hyrenbach, W.J. Sydeman, et al, 2006: Characterising meso-marine ecosystems of the North Pacific. *Deep Sea Research Part II: Tropical Studies in Oceanography*, 53 (3-4), 270-290.
- Bhaskar, TVSU, Swain, D, Ravichandran, M, 2006: Inferring mixed-layer depth variability from Argo observations in the western Indian Ocean. *Journal of Marine Research* 64(3): 393-406.
- Bingham, F.M. and T. Suga, 2006: Distributions of mixed layer properties in North Pacific water mass formation areas: comparison of Argo floats and World Ocean Atlas 2001. *Ocean Science*, 2, 61-70.
- Boutin, J. and N. Martin, 2006: ARGO upper salinity measurements: Perspectives for L-band radiometers calibration and retrieved sea surface salinity validation. *IEEE Geoscience and Remote Sensing Letters*, 3(2), 202-206.
- Che Yide, Zheng R., Jiang G. R., et al., 2006: The type judge and characteristic analyses of the thermocline in the Pacific Ocean. *Collection of Argo Application papers (in Chinese)*, China Ocean press, Beijing, p204-214.
- Chen Yide, Zheng R., JIANG G. R., 2006: Evaluation and analysis of Mid-Depth currents of the equatorial pacific using ARGO float position information. *Marine Forecasts (in Chinese)*, 23(4), 37-46
- Chen Yide, Zheng R., Jiang G. R., et al., 2006: A diagnostic analyses on the mid-depth currents of the equatorial Pacific. *Collection of Argo Application papers (in Chinese)*, China Ocean press, Beijing, p128-138
- Duda, T.F., 2006: Comparison of deep-ocean finescale shear at two sites along the Mid-Atlantic Ridge. *Deep-Sea Res. Part II-Topical Studies In Oceanography*, 53(1-2), 207-225.
- Emelianov, J. Font, A. Turiel, C. Millot, J. Solé, P.-M. Poulain, A. Julià, and M.-R. Vitrià, 2006: Transformation of Levantine Intermediate Water tracked by MEDARGO floats in the Western Mediterranean Ocean *Sci.*, 2, 281-290.
- Emery, WJ., P. Brandt, A. Funk, C. Boning, 2006: A comparison of sea surface temperatures from microwave remote sensing of the Labrador Sea with in situ measurements and model simulations. *Journal of Geophysical Research-Oceans* 111 (C12)

- Fengying, Ji, Fan, Wang, 2006: A calibration method of Argo floats based on multiple regression analysis. Chinese Journal of Oceanology and Limnology, 24(2): 118-124.
- Fraile-Nuez, E., and A. Hernández-Guerra, 2006: Wind-driven circulation for the eastern North Atlantic Subtropical Gyre from Argo data. Geophys. Res. Lett., 33(3), L03601, 10.1029/2005GL025122. 01 February 2006.
- Fratantoni, DM, 2006: The evolution and demise of North Brazil Current rings. J Phys Oceanogr 36(7): 1241-1264.
- Freeland, Howard, 2006: What proportion of the North Pacific Current finds its way into the Gulf of Alaska? Atmosphere-Ocean 44(4), 321-330.
- Getzlaff, K., C.W. Boning, & J. Dengg, 2006: Lagrangian perspectives of deep water export from the subpolar North Atlantic. Geophys. Res. Lett., 33, L21S08.
- González-Pola Muñoz, Cesar. 2006. Variabilidad climática oceánica en la región sureste del golfo de Vizcaya. Ph.D, Thesis . facultad de Ciencias Físicas. University of Oviedo. España
- Gould, W.J. and J. Turton, 2006: Argo - Sounding the Oceans. Weather, 61(1), 17-21.
- Gould, W.J. Argo - a revolution in observing the oceans' interior, World Maritime Technology Conference, Queen Elizabeth Conference Centre, London, 8 March 2006.
- Griffa, A., A. Molcard, F. Raicich, and V. Rupolo, 2006: Assessment of the impact of TS assimilation from ARGO floats in the Mediterranean Sea. Ocean Science, 2, 237-248.
- Guinehut, S., P. Le Traon, and G. Larnicol (2006), What can we learn from Global Altimetry/Hydrography comparisons?, Geophys. Res. Lett., 33, L10604, doi:10.1029/2005GL025551.
- Guo Jige, Xie J. P., Zhu J., 2006: Estimation of the surface and mid-depth currents of the equatorial Pacific. Collection of Argo Application papers (in Chinese), China Ocean press, Beijing, p111-127.
- Haines, K., JD. Blower, J-P. Drecourt, C. Liu, A. Vidard, I. Astin, X. Zhou, 2006: Salinity assimilation using S(T): covariance relationships. Monthly Weather Review, 134(3), 759-71.
- He Zhongjie, Xie Y. F., Li W., et al., 2006: Application of sequential 3 dimensional variation on assimilating Argo in a global ocean

- Model. Collection of Argo Application papers (in Chinese), China Ocean press, Beijing, p182-191.
- Homan Lee, Tae-Hee Kim, Ji-Ho Kim, Jang-Won Seo and Yong-Hoon Youn, 2004: Mean flow and variability in the upper portion of the East Sea proper water in the southwestern East Sea with APEX floats. *J of Environmental Sciences*, Vol.13(2), 135-141.
- Hosoda, S., Minato, S., and Shikama, N., 2006: Seasonal temperature variation below the thermocline detected by Argo floats. *Geophysical Research Letters* 33(13): Art. No. L13604.
- Hu Haibo, Liu Q. Y., Lin X. P., et al., 2006: The South Pacific Subtropical Mode Water in the Tasman Sea. Collection of Argo Application papers (in Chinese), China Ocean press, Beijing, p72-87
- Isoguchi, O., H. Kawamura, and E. Oka, 2006: Quasi-stationary jets transporting surface warm waters across the transition zone between the subtropical and the subarctic gyres in the North Pacific. *Journal of Geophysical Research*, 111, C10003, doi:10.1029/2005JC003402.
- Ivchenko, V. O.; Wells, N. C. and D. L. Aleynik, 2006: Anomaly of heat content in the northern Atlantic in the last 7 years: Is the ocean warming or cooling? *Geophys. Res. Lett.*, Vol. 33(22), L22606, 10.1029/2006GL027691, 25 November 2006.
- Iwasaka, N., F. Kobashi, Y. Kinoshita, Y. Ohno (2006): Seasonal variations of the upper ocean in the western North Pacific observed by an Argo float. *Journal of Oceanography*, 62 (4), 481-492.
- Jackson, JM, Myers, PG, and Ianson, D, 2006: An examination of advection in the northeast Pacific Ocean, 2001-2005. *Geophysical Research Letters* 33(15): Art. No. L15601.
- Jayne, S.R., 2006: Circulation of the North Atlantic Ocean from altimetry and the Gravity Recovery and Climate Experiment geoid. *Journal Of Geophysical Research*, 111, C03005, doi:10.1029/2005JC003128.
- Johns, T.C., C.F. Durman, H.T. Banks, et al, 2006: The New Hadley Centre Climate Model (HadGEM1): Evaluation of Coupled Simulations. *Journal of Climate*, 19 (7), 1327-1353.
- Johnson, G. C. 2006: Generation and initial evolution of a mode water theta-S anomaly. *Journal of Physical Oceanography*, 36(4), 739-751.

- Johnson, G. C., J. M. Lyman, and J. K. Willis. 2006. Global Oceans: Heat Content. In State of the Climate in 2005, K.A. Shein, Ed., Bulletin of the American Meteorological Society, 87, 6, S23-S24.
- Jordi, A, G. Basterretxea, A. Orfila, and J. Tintore, 2006: Analysis of the circulation and shelf-slope exchanges in the continental margin of the northwestern Mediterranean. Ocean Sci., 2, 173-181.
- Junhua Teng, Liu Z. H., Sun M. X., 2006: Development of Online Argo Data Service Platform Based on GIS, The Proceedings of IGARSS2006, Denver, USA, 2006.8.
- Karstensen, J., T. Avsic, J. Fischer, & U. Send, 2006: Subsurface temperature maxima in the Labrador Sea and the subpolar North Atlantic. Geophys. Res. Lett., 33(21), L21S05.
- Kieke, D. M Rhein, L. Stramma, WM Smethie, DA LeBel, W Zenk, 2006. Changes in the CFC inventories and formation rates of Upper Labrador Sea Water, 1997-2001. Journal of Physical Oceanography 36(1), 64:86.
- Kim, E., Y. J. Ro and Y. H. Youn, 2006. Structure of the Temperature and Salinity in 2003-2005 Profiled by the ARGO floats around the Ulleung-do area in the East Sea. J. of the Korean Society of Oceanography, The Sea, 11(1):21-30
- Kington, J.A. and F.Selinger, 2006: The development and use of weather buoys 1940 - 2005. Weather, 61(6), 164-166.
- Kobayashi T. and T. Suga, 2006: The Indian Ocean HydroBase: A high-quality climatological dataset for the Indian Ocean Prog. Oceanogr. 68(1), 75-114.
- Korotaev, G., T. Oguz, S. Riser, 2006: Intermediate and deep currents of the Black Sea, obtained from autonomous profiling floats. Deep-Sea Res Pt II 53(17-19): 1901-1910 2006.
- Lankhorst, M. and W. Zenk, 2006: Lagrangian Observations of the Middepth and Deep Velocity Fields of the Northeastern Atlantic Ocean. J. Physical Oceanography, 36(1), 43-63.
- Lankhorst, M., 2006: A self-contained identification scheme for eddies in drifter and float trajectories. J. Atmos. Ocean Tech. 23(11): 1583-1592.
- Li Wei, Xie Y. F., He Z. J., et al., 2006: Application of multi-grid method on Argo data assimilation. Collection of Argo Application papers (in Chinese), China Ocean press, Beijing, p192-203.

- Lien, RC. And EA D'Asaro, 2006: Measurement of turbulent kinetic energy dissipation rate with a Lagrangian float. *Journal of Atmospheric and Oceanic Technology*, 23(7): 964-976.
- Liu Zenghong, Xu J. P., Xiu Y. R., et al., 2006: The effect of reference dataset on calibration of Argo profiling float salinity data. *Marine Forecasts (in Chinese)*, 23(4), 1-12.
- Liu Zenghong, Xu J. P., Zhu B. K., et al., 2006: Upper ocean response to the tropical cyclones in the northwestern Pacific by Argo data. *Collection of Argo Application papers (in Chinese)*, China Ocean press, Beijing, p88-99.
- Liu Zenghong, Xu J. P., Zhu B. K., et al., 2006: Calibration of Argo profiling Float salinity data using historical hydrographic data. *Collection of Argo Application papers (in Chinese)*, China Ocean press, Beijing, p223-240.
- Liu Yimin, Zheng R. H., Yin Y. H., et al., 2006: The application of Argo data to a global 4-dimensional ocean data assimilation system. *Collection of Argo Application papers (in Chinese)*, China Ocean press, Beijing, p139-150.
- Lyman, J. M., J. K. Willis, and G. C. Johnson, 2006. Recent cooling of the upper ocean. *Geophysical Research Letters*, 33, L18604, doi: 10.1029/2006GL027033.
- Machin, F., U. Send, and W. Zenk, 2006: Intercomparing drifts from RAFOS and profiling floats in the Deep Western Boundary Current along the Mid-Atlantic Ridge. *Scientia Marina*, 70(1), 1-8.
- MacKenzie, A., 2006: Charting deep ocean currents. *The Argo Programme. E. Nz. Magazine*, vol. 7, no. 1, 36-39.
- Maes, C., K. Ando, T. Delcroix, W. S. Kessler, M. J. McPhaden, and D. Roemmich (2006), Observed correlation of surface salinity, temperature and barrier layer at the eastern edge of the western Pacific warm pool, *Geophys. Res. Lett.*, 33, L06601, doi:10.1029/2005GL024772.
- Margolina, T., 2006: Intermediate level Lagrangian subsurface measurements in the northeast Pacific: Isobaric RAFOS float data. *Geochem Geophys Geosy* 7.
- Marinone, SG (2006): A numerical simulation of the two- and three-dimensional Lagrangian circulation in the northern Gulf of California. *Estuarine Coastal and Shelf Science*, 68(1-2), 93-100.
- McMahon, C.R., E. Autret, J.D.R. Houghton, P. Lovell, A.E. Myers and G.C. Hays, 2006: Animal-borne sensors successfully capture the

- real-time thermal properties of ocean basins, *Limnology And Oceanography-Methods*, 3, 392-398.
- Narvekar, J. and S. Prasanna Kumar, 2006: Seasonal variability of the mixed layer in the central Bay of Bengal and associated changes in nutrients and chlorophyll. *Deep Sea Research Part I: Oceanographic Research Papers*, 53 (5), 820-835.
- Ollitruault, M. M. Lankhorst, D. Fratantoni, P. Richardson, and W. Zenk, 2006: Zonal intermediate currents in the equatorial Atlantic Ocean. *Geophysical Research Letters*. 33(5), L05605, 000236269100007
- Pan Aijun, Liu Q. Y., 2006: Mesoscale eddy effects on the wintertime vertical mixing in the formation region of the North Pacific Subtropical Mode Water. *Collection of Argo Application papers (in Chinese)*, China Ocean press, Beijing, p27-35.
- Pan Aijun, Guo X. G., 2006: A preliminary study of the formation zone of the North Pacific subtropical mode water. *Collection of Argo Application papers (in Chinese)*, China Ocean press, Beijing, p62-71.
- Panteleev, GG. P. Stabeno, VA Luchin, DA Nechaev, M Ikeda, 2006: Summer transport estimates of the Kamchatka Current derived as a variational inverse of hydrophysical and surface drifter data. *GEOPHYSICAL RESEARCH LETTERS*, 33(9), L09609
- Park, Y.-G., K.-H. Oh, K.-I. Chang, and M.-S. Suk, 2005: Water masses and flow fields of the Southern Ocean measured by autonomous profiling floats (Argo floats), *Ocean and Polar Research*, Vol.27(2), 183p
- Peng, G., E.P. Chassignet, Y.O Kwon and S. C. Riser, 2006: Investigation of variability of the North Atlantic Subtropical Mode Water using profiling float data and numerical model output. *OCEAN MODELLING*, 13(1), 65-85
- Perdana, Aji Putra, (2006). Study Of Sea Surface Temperature Based On Analysis Of Remotely Sensed Data And Argo Float Data In The South Of Java Island, Bali Island And Nusa Tenggara Archipelago. *Thesis*. Yogyakarta: Faculty of Geography, Gadjah Mada University. (http://www.esnips.com/doc/397b95ea-058c-4645-98aa-df28082b9d65/SKRIPSI_AJI)
- Qiu, B., and Chen, Shuiming, 2006: Decadal Variability in the Formation of the North Pacific Subtropical Mode Water: Ocean versus Atmospheric Control. *Journal of Physical Oceanography* 36(7), 1365-1380.
- Qiu, B. P. Hacker, S.M. Chen, K.A. Donohue, D.R. Watts, H. Mitsudera, N.G. Hogg, S.R. Jayne, 2006: Observations of the subtropical mode

- water evolution from the Kuroshio Extension System Study. *Journal Of Physical Oceanography*, 36(3), 457-473.
- Raicich, F., 2006: The assessment of temperature and salinity sampling strategies in the Mediterranean Sea: idealized and real cases. *Ocean Science* 2, 97-112.
- Saha, S., S. Nadiga, C. Thiaw, et al, 2006: The NCEP Climate Forecast System. *Journal of Climate*, 19 (15), 3483-3517.
- Sallée, Jean-Baptiste, N. Wienders, K. Speer and R. Morrow, 2006: Formation of subantarctic mode water in the southeastern Indian Ocean. *Ocean Dynamics*, Dec 2006, Pages 525-542, DOI 10.1007/s10236-005-0054-x, URL <http://dx.doi.org/10.1007/s10236-005-0054-x>
- Sato. K., Suga, T., Hanawa, K., 2006: Barrier layers in the subtropical gyres of the world's oceans. *Geophysical Research Letters*, Vol. 33, L08603, Doi:10.1029/2005gl025631,2006
- Sato, N., Tokinaga, H, Shirooka, R., and Suginoara, N., 2006: Influence of mechanical mixing on a low summertime SST in the western North Pacific ITCZ region. *Geophysical Research Letters* 33(14): Art. No. L14608.
- Schneider, W., L. Bravo, 2006: Argo profiling floats document Subantarctic Mode Water formation west of Drake Passage. *Geophysical Research Letters* 33(16).
- She Xinqiang, Fan W., Chen X. D., et al., 2006: Application of Argo floats datum to analysis longline bigeye tuna fishing grounds in the eastern and central Pacific Ocean. *Collection of Argo Application papers (in Chinese)*, China Ocean press, Beijing, p215-222
- Serpette, A., B. Le Cann, F. Colas, 2006: Lagrangian circulation of the North Atlantic Central Water over the abyssal plain and continental slopes of the Bay of Biscay: description of selected mesoscale features. *Scientia Marina*, 70: 27-42.
- Steiner, N., K. Denman, N. McFarlane, and L. Solheim, 2006: Simulating the coupling between atmosphere-ocean processes and the planktonic ecosystem during SERIES. *Deep Sea Research Part II: Tropical Studies in Oceanography*, 53 (20-22), 2434-2454.
- Straneo, F., 2006: Heat and freshwater transport through the central Labrador Sea. *Journal of Physical Oceanography* 36(4): 606-628
- Taillandier, V., A. Griffa, A. Molcard, 2006: A variational approach for the reconstruction of regional scale Eulerian velocity fields from Lagrangian data. *OCEAN MODELLING*, 13(1), 1-24.

- Taillandier, V., A. Griffa,, 2006: Implementation of position assimilation for Argo floats in a realistic Mediterranean Sea OPA model and twin experiment testing. *Ocean Sci.* 2, 223-236.
- Taillandier, V., A. Griffa, PM Poulain, K. Beranger, 2006: Assimilation of Argo float positions in the north western Mediterranean Sea and impact on ocean circulation simulations. *Geophysical Research Letters*, 33(11), Art. No. L11604.
- Thompson, B., C. Gnanaseelan, P.S. Salvekar, 2006: Seasonal evolution of temperature inversions in the north Indian Ocean. *Current Science*, 90(5), 697-704.
- Wang Guihua, Liu Z. H., Xu J. P., 2006: Three dimensional Pacific temperature, salinity and circulation reconstructions with Argo data. *Collection of Argo Application papers (in Chinese)*, China Ocean press, Beijing, p16-26.
- Wunsch, Carl and Patrick Heimbach, 2006: Estimated Decadal Changes in the North Atlantic Meridional Overturning Circulation and Heat Flux 1993-2004. *JPO Vol 36(11)* 2012-2024.
- Xu Dongfeng, Liu Z. H., Xu X. H., et al., 2006: The influence of typhoon on the surface layer salinity in the Western Pacific Warm Pool. *Collection of Argo Application papers (in Chinese)*, China Ocean press, Beijing, p100-110.
- Yan XH, YH. Jo, WT. Liu, MX. He, 2006: A new study of the Mediterranean outflow, air-sea interactions and meddies using multisensor data. *Journal of Physical Oceanography* 36(4): 691-710
- Ying Yonghong, Zhang R. H., Niu T., et al., 2006: Using an intermediate complex model to simulate the annual variation of SST in the tropical Indian Ocean and its assimilation experiment. *Collection of Argo Application papers (in Chinese)*, China Ocean press, Beijing, p162-181.
- Yong-Hoon Youn, Homan Lee, You-Soon Chang, Pankajakshan Thadathil, 2005: Validation of Salinity Data from ARGO Floats: Comparison between the older ARGO floats and that of later deployments, *J of Korean Earth Science Society*, Vol.26(2), 129-136.
- Yoshida, T. and M. Hoshimoto, 2006: Heat content change in the surface isothermal layer of a warm core ring in the sea east of Japan. *JOURNAL OF OCEANOGRAPHY*, 62(3), 283-287.
- Zhang, D., M.J. McPhadden, 2006: Decadal variability of the shallow Pacific meridional overturning circulation: Relation to tropical sea surface temperatures in observations and climate change models. *Ocean Modelling*, 15 (3-4), 250-273.

- Zhang Renhe, Ying Y. H., Li Q. Q., 2006: Utilizing ARGO Data to Improve the Prediction of ENSO and Short-term Climate Prediction of Summer Rainfall in China. *Journal of Applied Meteorological Science (in Chinese)*, 17(5),
- Zhong, M., H. Yan, X. Wu, J. Duan and W. Zhu, 2006: Non-tidal oceanic contribution to polar wobble estimated from two oceanic assimilation data sets. *Journal of Geodynamics*, 41 (1-3), 147-154.
- Zhou Hui, Xu J. P., Guo P. F., et al., 2006: Study on an anticyclonic eddy observed by Argo profiling float in the southeast off Philippine. *Collection of Argo Application papers (in Chinese)*, China Ocean press, Beijing, p36-46.
- Zhou Hui, Guo P. F., Xu J. P., 2006: The characteristics of the Kuroshio and eddies east of Taiwan Island. *Collection of Argo Application papers (in Chinese)*, China Ocean press, Beijing, p47-61.
- Zhu Jiang, Zhou GQ, Yan CX, Fu WW, and You XB, 2006: A three-dimensional variational ocean data assimilation system: Scheme and preliminary results. *Science in China Series D-Earth Sciences*, 49(11),1212:1222, Nov 2006.
- Zhu Jiang, Yan C. X., Wang L. Y., 2006: Application of Argo data to the Pacific Ocean data assimilation. *Collection of Argo Application papers (in Chinese)*, China Ocean press, Beijing, p151-161.

2005 (65)

- Alderson S.G. and P.D. Killworth, 2005: A preoperational scheme for calculating sea surface height by Bernoulli inverse of Argo float data in the North Atlantic. *J. Atmos. Ocean. Tech.* 22(9): 1416-1422.
- Alford M.H., Gregg M.C. and E.A. D'Asaro EA, 2005: Mixing, 3D mapping, and Lagrangian evolution of a thermohaline intrusion. *J. Phys. Ocean.* 35(9), 1689-1711.
- Bo Qiu and Shuiming Chen, 2005: Eddy-Induced Heat Transport in the Subtropical North Pacific from Argo, TMI and Altimetry Measurements. *J. Phys. Oceanogr.* 35(4), 458-473.
- Böhme, Lars and Uwe Send, 2005: Objective analyses of hydrographic data for referencing profiling float salinities in highly variable environments. *Deep-Sea Research II*, 52/3-4, 651-664.

- Bower, A.S., W.E. Johns, D.M. Fratantoni and H. Peters, 2005: Equilibration and circulation of Red Sea Outflow water in the western Gulf of Aden. *J. Phys. Ocean.* 35(11), 1963-1985.
- Crawford, W., P. Sutherland, P. van Hardenberg, 2005: Cold water intrusion in the eastern Gulf of Alaska in 2002. *Atmosphere-Ocean*, 43(2), 119-128.
- Davis, R.E., 2005: Intermediate-depth circulation of the Indian and South Pacific Oceans measured by Autonomous floats. *J. Phys. Oceanogr.*, 35, 683-707.
- DeHaan, C.J. W. Sturges, 2005: Deep cyclonic circulation in the Gulf of Mexico. *Journal of Physical Oceanography* 35(10), 1801-1812.
- Durand, F. and G. Reverdin, 2005: A statistical method for correcting salinity observations from autonomous profiling floats: An ARGO perspective. *Journal of Atmospheric and Oceanic Technology* 22(3): 292-301.
- Faure, Vincent and Kevin Speer, 2005: Labrador Sea Water circulation in the Northern North Atlantic Ocean. *Deep-Sea Research II*, 52/3-4, 565-581.
- Freeland, H.J. and P.F. Cummins, 2005: Argo: A new tool for environmental monitoring and assessment of the world's ocean, an example from the NE Pacific. *Progress in Oceanography*, 64(1), 31-44.
- Fujii, Y., 2005: Preconditioned optimizing utility for large-dimensional analyses (POpULar). *Journal of Oceanography*, 61(1), 167-181.
- Gould, J, 2005: From Swallow floats to Argo - the development of neutrally buoyant floats. *Deep-Sea Research II*, 52/3-4, 529-543.
- Hansen, J., Nazarenko, L., Ruedy, R. et al., 2005: Earth's energy imbalance: Confirmation and Implications. *Science*, 308, 1431-1435, June 3 2005.
- Harcourt RR, 2005: Thermobaric cabbeling over Maud Rise: Theory and large eddy simulation. *Progress in Oceanography* 67 (1-2): 186-244
- Hellmer, H.H., Schodlok, M.P. Wenzel, M. and J.G. Schroter, 2005: On the influence of adequate Weddell Sea characteristics in a large-scale global ocean circulation model. *Ocean Dynamics*, 55(2), 88-99.
- Hogg NG, Thurnherr AM, 2005: A zonal pathway for NADW in the South Atlantic. *J. Oceanography*, 61(3), 493-507.

- Joseph, S. and H.J. Freeland, 2005: Salinity variability in the Arabian Sea. *Geophysical Research Letters* 32 (9): art. no. 109607 May 12 2005
- King BA, McDonagh EL, 2005: Decadal changes in ocean properties revealed by ARGO floats. *Geophysical Research Letters* 32 (15): Art. No. L15601 AUG 2 2005
- Kobayashi, T. and S. Minato, 2005: Importance of reference dataset improvements for Argo delayed-mode quality control. *J.Oceanography* 61(6), 995-1009.
- Kobayashi, T. and S. Minato, 2005: What observation scheme should we use for profiling floats to achieve the Argo goal for salinity measurement accuracy? - Suggestions from software calibration. *J. Atmos. Ocean. Tech.*, 22(10), 1588-1601.
- Körtzinger, A., J. Schimanski and U. Send, 2005: High quality oxygen measurements from profiling floats: A promising New Technique. *J. Atmos and Ocean Tech.*, 22(3), 302-308.
- Kwon Y.O. and S.C. Riser, 2005: General circulation of the western subtropical North Atlantic observed using profiling floats. *J. Geophys. Res.- Oceans* 110(C10): Art. No. C10012 OCT 14 2005
- LaCasce, J. H., 2005: Eulerian and Lagrangian Velocity Distributions in the North Atlantic. *J. Phys. Ocean.* 35(12), 2327-2336.
- Lavender, KL., WB Owens, RE Davis, 2005: The mid-depth circulation of the subpolar North Atlantic Ocean as measured by subsurface floats. *Deep-Sea Research Part 1 - Oceanographic Research Papers*. 52 (5): 767-785
- Le Cann, B., M. Assenbaum, J.C. Gascard and G. Reverdin, 2005: Observed mean and mesoscale upper ocean circulation in the midlatitude northeast Atlantic. *J. GEOPHYSICAL RESEARCH-OCEANS*
- López-Jurado, J.-L., González-Pola, C., and P. Vélez-Belchí, P., 2005: Observation of an abrupt disruption of the long-term warming trend at the Balearic Sea, western Mediterranean Sea, in summer 2005. *Geophys. Res. Lett.*, 32(24), L24606, 10.1029/2005GL024430.
- Mead J.L., 2005: Assimilation of simulated float data in Lagrangian coordinates. *Ocean Modelling* 8(4), 369-394.
- McMahon C.R., E. Autret, J.D.R. Houghton, P. Lovell, A. E. Myers and G. C. Hays1, 2005: Animal-borne sensors successfully capture the real-time thermal properties of ocean basins. *Limnol. Oceanogr.: Methods* 3, 392-398
- Mead J.L., 2005: Assimilation of simulated float data in Lagrangian coordinates. *Ocean Modelling* 8(4), 369-394.

- Molcard, A, A. Griffa and T.M. Ozgokmen, 2005: Lagrangian data assimilation in multilayer primitive equation ocean models. *Journal of Atmospheric and Oceanic Technology*, 22(1), 70-83.
- Mooers, C.N.K., I. Bang and F.J. Sandoval, 2005: Comparisons between observations and numerical simulations of Japan (East) Sea flow and mass fields in 1999 through 2001. *Deep-Sea Research Part II-Topical Studies In Oceanography*. 52(11-13), 1639-1661.
- Núñez-Riboni, Ismael, Olaf Boebel, Michel Ollitrault, Yuzhu You, Philip L. Richardson and Russ Davis, 2005: Lagrangian circulation of Antarctic Intermediate Water in the subtropical South Atlantic. *Deep-Sea Research II*, 52/3-4 545-564.
- Ohshima, K.I., S.C. Riser and M. Wakatsuchi, 2005: Mixed layer evolution in the Sea of Okhotsk observed with profiling floats and its relation to sea ice formation. *Geophysical Research Letters* 32(6): Art. No. L06607 MAR 26 2005.
- Oka, E. 2005: Long-term sensor drift found in recovered Argo profiling floats. *J. Oceanogr.* 61(4), 775-781.
- Ollitrault, M., C. Gabillet and A.C. De Verdiere, A.C., 2005: Open ocean regimes of relative dispersion. *J. FLUID MECHANICS*, 533, 381-407.
- Pan, A.J. and Q.Y. Liu, 2005: Mesoscale eddy effects on the wintertime vertical mixing in the formation region of the North Pacific Subtropical Mode Water. *Chinese Science Bulletin*. 50(17), 1949-1956.
- Park JJ, Kim K, King BA, 2005: Global statistics of inertial motions. *GEOPHYSICAL RESEARCH LETTERS* 32 (14): Art. No. L14612 JUL 22 2005
- Park JJ, K. Kim, BA King, SC Riser, 2005: An advanced method to estimate deep currents from profiling floats. *Journal of Atmospheric and Oceanic Technology* 22 (8): 1294-1304
- Phillips, Helen E., Susan E. Wijffels and Ming Feng, 2005: Interannual variability in the freshwater content of the Indonesian-Australian Basin. *Geophys. Res. Lett.*, 32(3), L03603, doi:10.1029/2004GL021755,2005
- Prater, Mark D. and Tom Rossby, 2005: Observations of the Faroe Bank Channel overflow using bottom-following RAFOS floats. *Deep-Sea Research II*, 52/3-4 481-494.
- Qu, T.D. and G. Meyers, 2005: Seasonal variation of barrier layer in the southeastern tropical Indian Ocean. *J. Geophys. Res. - Oceans*, 110(C11), C11003, ISI:000233162200001.
- Qiu, B., S. Chen, 2005: Eddy-induced heat transport in the

- subtropical North Pacific from Argo, TMI, and altimetry measurements. *Journal of Physical Oceanography* 35 (4): 458-473
- Ramesh, K.V. and R. Krishnan, 2005: Coupling of mixed layer processes and thermocline variations in the Arabian Sea. *Journal Of Geophysical Research-Oceans* 110(C5): Art. No. C05005 May 7 2005.
- Rossby, T, and Mark D. Prater, 2005: On variations in static stability along Lagrangian trajectories. *Deep-Sea Research II*, 52/3-4 465-479.
- Sanders, R., L. Brown, S. Henson and M. Lucas, 2005: New production in the Irminger Basin during 2002. *J. Mar. Syst.*, 55(3-4), 291-310.
- Sato, N. 2005: Influences of intraseasonal disturbances on the oceanic mixed layer in the western North Pacific ITCZ region. *GEOPHYS. RES. LETT.* 32(17), L17601, ISI:000231726900004
- Schmid, C., 2005: Impact of combining temperature profiles from different instruments on an analysis of mixed layer properties. *J. Atmos. Ocean. Tech.* 22(10),1571- 1587.
- Serra, Nuno, Isabel Ambar and Rolf Käse, 2005: Observations and numerical modelling of the Mediterranean outflow splitting and eddy generation. *Deep-Sea Research II*, 52/3-4 383-408.
- Shoosmith, D.R., P.L. Richardson, A.S. Bower and H.T. Rossby, 2005: Discrete eddies in the northern North Atlantic as observed by looping RAFOS floats. *Deep-Sea Research II*, 52/3-4 627-650.
- Stevens, CL, P Hill, MJ Smith, 2005: SUCA: An engine for repetitive autonomous profiling near the ocean surface. *LIMNOLOGY AND OCEANOGRAPHY-METHODS* 3: 300-307
- Summers, D.M., 2005: Eddy diffusion in the sea: reinterpreting an early experiment. *Proc. R. Soc. A-Math. Phys. Eng. Sci.* 461(2058), 1811-1827.
- Testor, P. U Send, JC Gascard, C Millot, I Taupier-Letage, K Beranger, 2005: The mean circulation of the southwestern Mediterranean Sea: Algerian Gyres. *Journal of Geophysical Research - Oceans* 110(C11), C11017
- Ueno, H., E. Oka, T. Suga, and H. Onishi, 2005: Seasonal and interannual variability of temperature inversions in the subarctic North Pacific. *Geophys. Res. Lett.*, 32, L20603, doi:10.1029/2005GL023948.
- Vandenbulcke, L., A. Barth, M. Rixen, A. Alvera-Azcarate, Z. Ben Bouallegue, and J. M. Beckers, 2006: Study of the combined effects of data assimilation and grid nesting in ocean models -

application to the Gulf of Lions. Ocean Science 2 Page(s) 213-222.

- Vargas-Yáñez, M., G. Parrilla, A. Lavín, P. Vélez-Belchí, C. González-Pola and A. Hernández-Guerra, 2005: "Eddy-Induced Variability in a Transatlantic Section: Argo Observing System-Gyroscope 0302 Cruise Comparison". J. Atmos. Ocean. Tech., 22(7), 1066-1076.
- Velez-Belchi, P., M. Vargas-Yanez and J. Tintore, 2005: Observation of a western Alboran gyre migration event. PROG. OCEANOGR. 66(2-4), 190-210.
- Veneziani, M., A. Griffa, A., Z.D. Garraffo, E.P. Chassignet, 2005: Lagrangian spin parameter and coherent structures from trajectories released in a high-resolution ocean model. J. MAR. RES. 63(4), 753-788
- Vidard, A., D.L.T. Anderson and M. Balmaseda, 2005: Impact of ocean observation systems on ocean analysis and seasonal forecasts. ECMWF, Technical Memorandum, 460, 32pp.
- Vinayachandran, P.N, T. Kagimoto, Y. Masumoto, P. Chauhan, S.R. Nayak and T. Yamagata, 2005: Bifurcation of the East India Coastal Current east of Sri Lanka. GEOPHYSICAL RESEARCH LETTERS, 32(15), L15606 ISI:000231380100002
- Wirts, A. E., and G. C. Johnson. 2005. Recent interannual upper ocean variability in the deep southeast Bering Sea. Journal of Marine Research, 63, 381-405.
- Wong, A.P.S., 2005: "Subantarctic Mode Water and Antarctic Intermediate Water in the South Indian Ocean based on profiling float data 2000-2004", Journal of Marine Research, 63, 789-812.
- Xie, J.P., J. Zhu, L. Xu and P.W. Guo, 2005: Evaluation of mid-depth currents of NCEP reanalysis data in the tropical Pacific using ARGO float position information. Advances In Atmospheric Sciences, 22(5), 677-684.
- Yimin Liu, Renhe Zhang, Yonghong Yin and Tao Niu, 2005, "The Application of ARGO Data to the Global Ocean Data Assimilation Operational System of NCC", Acta Meteorological Sinica (in English), 19(3), 355-365.
- Yimin Liu, Weijing Li, Peiqun Zhang, 2005, "NCC 4-Dimensional Ocean Data Assimilation System and the Studies on Its Results in the Middle Pacific", ACTA Oceanologica Sinica (in Chinese), Vol.27, No.1, 27-35.
- Zenk, W., G. Siedler, A. Ishida, E. Holfort, Y. Kashino, Y. Kuroda, T. Miyama, T.J. Muller, 2005: Pathways and variability of the

antarctic intermediate water in the western equatorial Pacific Ocean. *Progress in Oceanography*, 67(1-2), 245-281.

Zhang, S., M.J. Harrison, A.T. Wittenberg, A. Rosati, J.L. Anderson and V. Balaji, 2005: Initialization of an ENSO forecast system using a parallelized ensemble filter. *Monthly Weather Review*. 133(11), 3176-3201.

2004 (37)

Barth, J.A., Hebert, D., Dale, A.C., and Ullman, D.S. 2004. Direct Observations of Along-Isopycnal Upwelling and Diapycnal Velocity at a Shelfbreak Front. *Journal of Physical Oceanography*, 34(3), 543-565, doi: 10.1175/2514.1

Brown, C.A., Y. Huot, M.J. Purcell, J.J. Cullen and M.R. Lewis, 2004: Mapping coastal optical and biogeochemical variability using an autonomous underwater vehicle and a new bio-optical inversion algorithm. *Limnology and Oceanography-Methods*. 2, 262-281.

Centurioni, Luca, Gould, John 2004. Winter conditions in the Irminger Sea revealed by profiling floats. *Journal of Marine Research*, 62(3), 313-336.

Collins, CA., LM Ivanov, OV Melnichenko, N. Garfield, 2004: California Undercurrent variability and eddy transport estimated from RAFOS float observations. *Journal of Geophysical Research - Oceans* 109 (C5): C05028

D'Asaro, EA., 2004: Lagrangian trajectories on the Oregon shelf during upwelling. *Continental Shelf Research* 24(13-14), 1421-1436

D'Asaro, EA., 2004: Air-sea heat flux measurements from nearly neutrally buoyant floats. *Journal of Atmospheric and Oceanic Technology* 21(7): 1086-1094

Endoh, T., Mitsudera, H., Xie, S-P., Qiu, B., 2004. Thermohaline Structure in the Subarctic North Pacific Simulated in a General Circulation Model. *Journal of Physical Oceanography*, 34, 260-371.

Fischer, J., Schott, F.A., Dengler, M., 2004. Boundary Circulation at the exit of the Labrador Sea. *Journal of Physical Oceanography*. 34(7), 1548-1570

Gould, J., and the Argo Science Team, 2004. Argo Profiling Floats Bring New Era of In Situ Ocean Observations. *EoS, Transactions of the American Geophysical Union*, 85,(19), 11 May 2004.

Guinehut, S., P-Y. Le Traon, G. Larnicol and S. Philipps S, 2004:

- Combining Argo and remote-sensing data to estimate the ocean three dimensional temperature fields - a first approach based on simulated observations. *Journal of Marine Systems*. 46(1-4),85-98
- Hu, C.M., Montgomery, E.T., Schmitt R.W., et al. 2004: The dispersal of the Amazon and Orinoco River water in the tropical Atlantic and Caribbean Sea: Observation from space and S-PALACE floats Deep-Sea Research Part II-Topical Studies in Oceanography, 51(10-11): 1151-1171.
- Iwasaka N.T. Okumura, E. Oka and K. Takeuchi, 2004: A simulation of Argo float distribution in the South Pacific. Report of Japan Marine Science and Technology Center , 49, 43-50.
- Johnson GC , Stabeno PJ and Riser SC, 2004. The Bering Slope Current system revisited. *Journal of Physical Oceanography*, 34 (2): 384-398
- Kortzinger, A., J. Schimanski, U. Send and D. Wallace, 2004: The ocean takes a deep breath. *Science*, 306(5700), 1337.
- Lazarevich, P., T. Rossby, C. McNeil, 2004: Oxygen variability in the near-surface waters of the northern North Atlantic: Observations and a model. *Journal of Marine Research*, 62(5): 663-683.
- Marchal, O., Nycander, J., 2004: Nonuniform upwelling in a shallow-water model of the Antarctic bottom water in the Brazil Basin. *Journal Of Physical Oceanography* 34(11), 2492-2513.
- McCulloch, M.E., Alves, J.O.S., and Bell, M.J., 2004: Modelling shallow mixed layers in the northeast Atlantic, *Journal of Marine Systems*, 52(1-4): 107-119.
- Molinari, R.L., 2004: Annual and decadal variability in the western subtropical North Atlantic: signal characteristics and sampling methodologies. *Progress in Oceanography*, 62,33-66.
- Ohno, Y., Kobayashi, T., Iwasaka, N., Suga, T., 2004. The mixed layer depth in the North Pacific as detected by the Argo floats. *Geophysical Research Letters*, 31, L11306, doi:10.1029/2004GL019576.
- Ohshima, K.I., Simizu, D., Itoh, M., Mizuta, G., Fukamachi, Y., Riser S.C., Wakatsuchi, M., 2004. Sverdrup balance and the cyclonic gyre in the Sea of Okhotsk. *Journal of Physical Oceanography*, 34(2): 513-525.
- Oka, E., Ando, K., 2004. Stability of temperature and conductivity sensors of Argo Profiling Floats. *Journal of Oceanography*, 60, 253-258.
- Park, J.J., Kim, K., Crawford, W.R., 2004. Inertial currents estimated

- from surface trajectories of ARGO floats, *Geophysical Research Letters*, 31,L13307, doi:10.1029/2004GL020191
- Park, Y.-G., Oh, K.-H., Chang, K.-I., Suk, M.-S., 2004. Intermediate level circulation of the southwestern part of the East/Japan Sea estimated from autonomous isobaric profiling floats, *Geophys. Res. Lett.*, 31, L13213, doi:10.1029/2004GL020424
- Perez-Brunius, P., Rossby, T., Watts, D.R., 2004. A Method for Obtaining the Mean Transports of Ocean Currents by Combining Isopycnal Float Data with Historical Hydrography. *Journal of Atmospheric and Oceanic Technology*, 21(2), 298-316.
- Ravichandran M., Vinayachandran, P.N., Joseph, S., Radhakrishnan, K., 2004. Results from the first Argo float deployed by India. *Current Science*, 86(5), 651-659
- Roemmich, D., Riser, S., Davis, R., Desaubies, Y., 2004. Autonomous profiling floats: Workhorse for broadscale ocean observations. *Marine Technology Society Journal*, 38(1), 31 - 39.
- Sato, K., Suga, T., Hanawa, K., 2004. Barrier layer in the North Pacific subtropical gyre. *Geophysical Research Letters*, 31, L05301, doi:10.1029/2003GL018590
- Schiller, A., S.E. Wijffels, G.A. Meyers, 2004: Design requirements for an Argo float array in the Indian Ocean inferred from observing system simulation experiments. *Journal of Atmospheric and Oceanic Technology*, 21(10), 1598-1620.
- Shimizu, Y., Iwao, T., Yasuda, I., Ito, S.-I., Watanabe, T., Uehara, K., Shikama, N., Nakano, T., 2004. Formation Process of North Pacific Intermediate Water Revealed by Profiling Floats Set to Drift on 26.7sigma Isopycnal Surface. *Journal of Oceanography*, 60(2), 453-462.
- Steffen, E.L., D'Asaro, E.A., 2004. Meso- and Submesoscale Structure of a Convecting Field. *Journal of Physical Oceanography*, 34(1), 44-60.
- Thurnherr, A.M., Speer, K.G., 2004. Representativeness of meridional hydrographic sections in the western South Atlantic. *Journal of Marine Research*, 62(1), 37-65, DOI: 10.1357/00222400460744618
- Tseng, RS., EA D'Asaro, 2004: Measurements of turbulent vertical kinetic energy in the ocean mixed layer from Lagrangian floats. *Journal of Physical Oceanography*, 34(9): 1984-1990
- Vargas-Yáñez, Manuel, Parrilla, Gregorio, Lavín, Alicia, Vélez-Belchí, César González-Pola, Pedro, 2004. Temperature and salinity Increase in the Eastern North Atlantic along the 24.5°N during the last ten years. *Geophysical Research Letters*, 31, L06210,

doi:10.1029/2003GL019308.

- Veneziani, M., A. Griffa, AM Reynolds, AJ Mariano, 2004: Oceanic turbulence and stochastic models from subsurface Lagrangian data for the northwest Atlantic Ocean. *Journal of Physical Oceanography* 34(8): 1884-1906
- Vinayachandran, P.N., 2004. Summer cooling of the Arabian Sea during contrasting monsoons. *Geophysical Research Letters*, 31, L13306, doi:10.1029/2004GL019961.
- Willis, J., 2004. Combining Satellite and In Situ data to Make Improved Estimates of Upper-Ocean Thermal Variability on Eddy to Global Scales. PhD thesis, University of California San Diego.
- Willis, J.K., Roemmich, D. and B. Cornuelle, 2004: Interannual variability in upper ocean heat content, temperature, and thermocline expansion on global scales. *Journal of Geophysical Research*, 109 (C12): Art. No. C12036 DEC 30 2004
- 2003 (39)
- Bacon, S., Gould, W.J., Jia, Y., 2003. Open-ocean convection in the Irminger Sea. *Geophysical Research Letters*, 30(5) 1246, doi:10.1029/2002GL016273, 2003.
- Boebel, O., Barron, C., 2003. A comparison of in-situ float velocities with altimeter derived geostrophic velocities. *Deep-Sea Research Part II*, 50, 119-139.
- Boebel, O., Rossby, H.T., Lutjeharms, J.R.E., Zenk, W., Barron, C., 2003. Path and variability of the Agulhas Return Current. *Deep-Sea Research II*, 50(1), 35-56.
- Boebel, O., Lutjeharms, J., Schmid, C., Rossby, T., Barron, C., 2003. The Cape Cauldron: a regime of turbulent interocean exchange. *Deep-Sea Research Part II*, 50(1), 57-86.
- Böhme, L., 2003. Quality Control of Profiling Float Data in the subpolar North Atlantic. Diploma thesis, Christian-Albrechts-Universität Kiel, 79pp.
- Bracco, A., Chassignet, E.P., Garraffo, Z.D., Provenzale, A., 2003. Lagrangian Velocity Distributions in a High-Resolution Numerical Simulation of the North Atlantic. *Journal of Atmospheric and Oceanic Technology*, 20, 1212-1220.
- Chapman, P., Di Marco, S.F., Davis, R.E., Coward, A.C., 2003. Flow at intermediate depths around Madagascar based on ALACE float trajectories. *Deep-Sea Research Part II*, 50(12-13), 1957-1986.

- Cherubin, L. M., Serra, N., Ambar, I., 2003. Low-frequency variability of the Mediterranean undercurrent downstream of Portimao Canyon. *Journal of Geophysical Research*, 108 (C3), 10.1029/2001JC001229.
- D'Asaro, E.A., 2003. Performance of Autonomous Lagrangian Floats. *Journal of Atmospheric and Oceanic Technology*, 20, 896-911.
- D'Asaro, E.A., 2003. The Ocean Boundary Layer below Hurricane Dennis, *Journal of Physical Oceanography*, 33, 561-579.
- Gille, S.T., 2003. Float Observations of the Southern Ocean. Part I: Estimating Mean Fields, Bottom Velocities, and Topographic Steering. *Journal of Physical Oceanography*, 33, 1167-1181.
- Gille, S.T. 2003. Float Observations of the Southern Ocean. Part II: Eddy Fluxes. *Journal of Physical Oceanography*, 33, 1182-1196.
- Gille, S. T. Romero, L., 2003. Statistical behavior of ALACE Floats at the surface of the Southern Ocean. *Journal of Atmospheric and Oceanic Technology*, 20, 1633-1640.
- Gould, W.J., 2003. WOCE and TOGA - The foundations of the Global Ocean Observing System. *Oceanography*, 16(4), 24-30)
- Henson, S.A., R. Sanders, J.T. Allen, I.S. Robinson, L. Brown, 2003: Seasonal constraints on the estimation of new production from space using temperature-nitrate relationships. *Geophysical Research Letters*, 30(17), 1912. ISI:000189016300002
- Iwao, T., Endoh, M., Shikama, N., Nakano, T., 2003. Intermediate Circulation in the Northwestern North Pacific Derived from Subsurface Floats. *Journal of Oceanography*, 59(6), 893-904.
- Iwasaka, N., Sugai, T., Takeuchi, K., Mizuno, K., Takatsuki, Y., Ando, K., Kobayashi, T., Oka, E., Ichikawa, Y. Miyazaki, M., Matsuura, H., Izawa, K., Yang, C-S., Shikama, N., Aoshima, M., 2003. Pre-Japan-ARGO: Experimental Observation of Upper and Middle Layers South of the Kuroshio. *Journal of Oceanography*, 59(1), 119-127.
- Krahmann, G., Visbeck, M., Smethie, W., et al. 2003. The Labrador Sea Deep Convection Experiment data collection. *Geochemistry, Geophysics, Geosystems*, 4: Art. No. 1091.
- Lilly, J.M., Rhines, P.B., Schott, F., et al. 2003. Observations of the Labrador Sea eddy field. *Progress in Oceanography* 59 (1): 75-176
- Lutjeharms, J.R.E., Boebel, O., Rossby, H.T., 2003. Agulhas cyclones. *Deep-Sea Research-II*. 50, 13-34.
- Oka, E., Suga, T., 2003. Formation region of North Pacific subtropical mode water in the late winter of 2003. *Geophysics*

Research Letters, 30(23): Art. No. 2205

- Richardson, P.L., Garzoli, S.L., 2003. Characteristics of intermediate water flow in the Benguela current as measured with RAFOS floats. Deep-Sea Research-II. 50, 87-118.
- Richardson, P.L., Lutjeharms, J.R.E., Boebel, O., 2003. Introduction to the "Inter-ocean exchange around southern Africa" Deep-Sea Research-II. 50(1),1-12.
- Roemmich D , Gould, W.J. 2003. The future of climate observations in the global ocean. Sea Technology, 44 (8): 10-
- Ruddick, B., 2003. Sounding out Ocean Fine Structure. Science, 301(5634), 72-773.
- Schmid, C., Boebel, O., Zenk, W., Lutjeharms, J.R.E., Garzoli, S., Richardson, P.L., Barron, C., 2003. Early evolution of an Agulhas ring. Deep-Sea Research-II, 50(1), 141-166.
- Schmid, C., Garraffo, Z.D., Johns, E., Garzoli, S.L., 2003. Pathways and variability at intermediate depths in the tropical Atlantic. Pp 233-268 In Interhemispheric Water Exchange in the Atlantic Ocean, G.J. Goni and P. Malanotte-Rizzoli (eds.). Elsevier Oceanography Ser., 68.
- Straneo, F., Pickart, R.S., Lavender, K., 2003. Spreading of Labrador sea water: an advective-diffusive study based on Lagrangian data. Deep-Sea Research-I, 50(6), 701-719.
- Testor, P., Gascard, J. 2003. Large-Scale spreading of Deep Waters in the Western Mediterranean Sea by Submesoscale Coherent Eddies. Journal of Physical Oceanography, 33, 75-87.
- Thomson, R.E., Freeland, H.J., 2003. Topographic steering of a mid-depth drifter in an eddy-like circulation region south and east of the Hawaiian Ridge Journal of Geophysical Research, 108 (C11): Art. No. 3341.
- Treguier, A.M., Hogg, N.G., Maltrud, M., Speer, K., Thierry, V., 2003. The Origin of Deep Zonal Flows in the Brazil Basin. Journal of Physical Oceanography, 33, 580-599.
- Turton, J. 2003. Argo: An array of free-drifting profiling floats - Progress towards establishing a global array of 3,000 floats for observing the world's oceans. Sea Technology, 44(10): 33-36.
- Uehara, H., Suga, T., Hanawa, K., Shikama, N., 2003. A role of eddies in formation and transport of North Pacific Subtropical mode water. Geophysical Research Letters, 30(13), 1705, doi: 10.1029/2003GL017542.

Wang G.H., Dewar, W.K. 2003. Meddy-seamount interactions: Implications for the Mediterranean salt tongue *Journal of Physical Oceanography*, 33(11), 2446-2461.

Willis, J.K., Roemmich, D., Cornuelle, B., 2003. Combining altimetric height with broadscale profile data to estimate steric height, heat storage, subsurface temperature, and sea-surface temperature variability. *Journal of Geophysical Research*, 108(C9), 3292, doi:10.1029/2002JC001755.

Wilson, W.S., Withee, G.W. 2003. A question-based approach to the implementation of sustained, systematic observations for the global ocean and climate, using sea level as an example. *Marine Technology Society Journal*, 37(3), 124-133.

Wong, A.P.S., Johnson, G.C., 2003. South Pacific Eastern Subtropical Mode Water. *Journal of Physical Oceanography*, 33, 1493-1509.

Wong, A.P.S., Johnson, G.C. Owens, W.B., 2003. Delayed-Mode Calibration of Autonomous CTD Profiling Float Salinity Data by θ -S Climatology. *Journal of Atmospheric and Oceanic Technology*, 20, 308-318.

Yanagimoto, D, Taira, K. 2003. Current measurements of the Japan Sea proper water and the intermediate water by ALACE floats. *Journal of Oceanography*, 59(3), 359-368.

2002 (54)

Bell, M., Baharel, P. 2002. The European contribution to GODAE. NCMR; Athens (Greece) 17; 2002; (3rd EuroGOOS Conference: Building the European capacity in operational oceanography)

Bishop, J.K.B., Davis, R.E., Sherman, J.T., 2002. Robotic Observations of Dust Storm Enhancement of Carbon Biomass in the North Pacific. *Science*, 298(5594), 817-821.

Boebel, O., Fahrbach, E., 2002. Weddell Sea inflow from Floats. *International WOCE Newsletter*, No. 42, 22-24. (Unpublished manuscript)

Bower, A.S., Le Cann, B., Rossby, T., Zenk, W., Gould, J., Speer, K., Richardson, P.L., Prater, M.D. Zhang, H-M., 2002. Directly measured mid-depth circulation in the northeastern North Atlantic Ocean. *Nature*, 419 (6907), 603-607

Bower, A.S., Serra, N., Ambar, I., 2002. Structure of the Mediterranean Undercurrent and Mediterranean Water spreading around the southwestern Iberian Peninsula. *Journal of Geophysical Research*, 107(C10), 25.1-25.19, 3161, doi:10.1029/2001JC001007.

- Chapman, P., Gould, W.J., 2002. The role of technology developments in WOCE. International WOCE Newsletter, No. 43, 21-23. (Unpublished manuscript)
- Cuny, J., Rhines, P.B., Niiler, P.P., Bacon, S., 2002. Labrador Sea Boundary Currents and the Fate of the Irminger Sea Water. Journal of Physical Oceanography, 32, 627-647.
- Dalton, R., 2002. Oceanography: Voyage of the Argonauts. Nature, 415(6875), 954-955.
- D'Asaro, E.A., Winters, K.B., Lien, R-C., 2002. Lagrangian analysis of a convective mixed layer. Journal of Geophysical Research, 107(C5), 0.1029/2000JC000247.
- Duda, T.F., Guest, B.J., Wooding, C.M., Levlievre, S., 2002. Shearwater floats in the area of the WHOI Brazil Basin Release Experiment: Technical and oceanographic data. Woods Hole Oceanographic Institution Technical Report. WHOI-2002-01.
- DiMarco, S.F., Chapman, P., Nowlin, W.D.Jr., Hacker, P., Donohue, K., Luther, M., Johnson, J.C., Toole, J., 2002. Volume transport and property distributions of the Mozambique Channel. Deep-Sea Research-II, 49, 1481-1511.
- Emerson, S., Stump, C., Johnson, B., Karl D. M., 2002. In-situ determination of oxygen and nitrogen dynamics in the upper ocean. Deep-Sea Research, Part I, 49, 941-952.
- Feng, M. Wijffels, S., 2002. Intraseasonal Variability in the South Equatorial Current of the East Indian Ocean. Journal of Physical Oceanography, 32, 265-277.
- Fischer, J., Schott, F.A., 2002. Labrador Sea Water Tracked by Profiling Floats - From the Boundary Current into the Open North Atlantic. Journal of Physical Oceanography, 32, 573-584.
- Gascard, J.-C., A.J. Watson, M.-J., Messias, K.A. Olsson, Johannessen, T., Simonsen, K., 2002. Long-lived vortices as a mode of deep ventilation in the Greenland Sea. Nature, 416(6880), 525-527.
- Gille, S.T., 2002. Warming of the Southern Ocean Since the 1950s. Science, 295(5558), 1275-1277.
- Guinehut, S., Larnicol, G., Le Traon, P.Y., 2002. Design of an array of profiling floats in the North Atlantic from model simulations. Journal of Marine Systems, 35(1-2), 1-9.
- Harcourt, R.R., Steffen, E.L., Garwood, R.W., D'Asaro, E.A., 2002. Fully Lagrangian Floats in Labrador Sea Deep Convection: Comparison of Numerical and Experimental Results. Journal of Physical Oceanography, 32, 493-510.

- Herbaut, C., Marshall, J., 2002. Mechanisms of Buoyancy Transport through Mixed Layers and Statistical Signatures from Isobaric Floats. *Journal of Physical Oceanography*, 32, 545-557.
- Hogg, N., McWilliams, J., Niiler, P., Price, J., 2002. Objective 8 - To determine the important processes and balances for the dynamics of the general circulation. In: 2001 US WOCE Report, US WOCE Implementation Report No. 13, US WOCE Office, College Station, TX, 64pp.
- Iwasaka, Naoto, Aoshima, Momoko, Suga, Toshio, 2002. A case study of a cyclonic eddy structure observed in the south of the Kuroshio Extension by using profiling floats. *Kaiyo Kagaku Gijutsu Senta Shiken Kenkyu Hokoku*, no. 46, pp. 95-105.
- Johnson, J., Ambar, I., Serra, N. Stevens, I., 2002. Comparative studies of the spreading of Mediterranean water through the Gulf of Cadiz. *Deep-Sea Research-II*, 49(19), 4179-4193.
- Kobayashi, T., Hosoda, S., Suga, T., Mizuno, K., Shikama, N. Takeuchi, K., 2002. Ocean conditions around southeast off Japan estimated by the Argo data with optimum interpolation method. *Kaiyo Kagaku Gijutsu Senta Shiken Kenkyu Hokoku*, no. 46, 1-9.
- Kobayashi, T., Nakajima, H., Suga, T., Mizuno, K., Shikama, N., Takeuchi, K., 2002. High quality climatological dataset for the Indian Ocean (Indian HydroBase). *Kaiyo Kagaku Gijutsu Senta Shiken Kenkyu Hokoku*. no. 46, pp. 11-27; 2002
- Lavender, K.L., Davis, R.E., Owens, W.B., 2002. Observations of Open-Ocean Deep Convection in the Labrador Sea from Subsurface Floats. *Journal of Physical Oceanography*, 32, 511-526.
- Lee, M., 2002. Lagrangian Motion of Particles and Tracers on Isopycnals. *Journal of Physical Oceanography*, 32, 2086-2095.
- Legg, S., McWilliams, J.C., 2002. Sampling Characteristics from Isobaric Floats in a Convective Eddy Field. *Journal of Physical Oceanography*, 32, 527-544.
- Lien, R., D'Asaro, E.A., McPhaden, M.J., 2002. Internal Waves and Turbulence in the Upper Central Equatorial Pacific: Lagrangian and Eulerian Observations. *Journal of Physical Oceanography*, 32, 2619-2639.
- Liu, Z., Xu, Jianping, Zhu, Bokang, Guo, Ming, 2002. The test and deployment of Argo profiling float. *Ocean Technology*, 21(3), 35-40.
- Lumpkin, R., Treguier, A.-M., Speer, K., 2002. Lagrangian eddy scales in the northern North Atlantic. *Journal of Physical*

- Oceanography, 32(9), 2425-2440.
- Lutjeharms, J.R.E., Boebel, O., Rossby, H.T., 2002. Agulhas cyclones. Deep-Sea Research-II, 50(1), 13-34.
- Oka, E., Izawa, K., Inoue, A., Ando, K., Shikama, N., Mizuno, K., Suehiro, K., Takeuchi, K., 2002. Is retrieve of Argo floats possible? Kaiyo Kagaku Gijutsu Senta Shiken Kenkyu Hokoku, no. 46, pp. 147-155.
- Ollitrault, M. Colin de Verdiere, A., 2002. SOFAR Floats Reveal Midlatitude Intermediate North Atlantic General Circulation. Part I: A Lagrangian Descriptive View. Journal of Physical Oceanography, 32, 2020-2033.
- Ollitrault, M., Colin de Verdiere, A., 2002. SOFAR Floats Reveal Midlatitude Intermediate North Atlantic General Circulation. Part II: An Eulerian Statistical View. Journal of Physical Oceanography, 32, 2034-2053.
- Paillet, J., Le Cann, B., Carton, X., Morel, Y., Serpette, A., 2002. Dynamics and Evolution of a Northern Meddy. Journal of Physical Oceanography, 32, 55-79.
- Pingree, R., 2002. Ocean structure and climate (Eastern North Atlantic): in situ measurement and remote sensing. Marine Biological Association of the United Kingdom. Journal, 82(2), 681-707.
- Poje, A.C., Toner, M., Kirwan, A.D., Jones, C.K.R.T., 2002. Drifter launch strategies based on Lagrangian templates. Journal of Physical Oceanography, 32(6), 1855-1869.
- Prater, M.D., 2002. Eddies in the Labrador Sea as Observed by Profiling RAFOS Floats and Remote Sensing. Journal of Physical Oceanography, 32, 411-427.
- Richardson, P.L., Garzoli, S.L., 2002. Characteristics of intermediate water flow in the Benguela current as measured with RAFOS floats. Deep-Sea Research-II, 50(1), 87-118.
- Richardson, P.L., Lutjeharms, J.R.E., Boebel, O., 2002. Introduction to the "Inter-ocean exchange around southern Africa". Deep-Sea Research-II, 50(1), 1-12.
- Riser, S.C., 2002. Studying the global ocean circulation with profiling floats. Argos Forum, No. 59, 5-7.
- Schott, F.A., Brandt, P., Hamann, M., Fischer, J., Stramma, L., 2002. On the boundary flow off Brazil at 5-10S and its connection to the interior tropical Atlantic. Geophysical Research Letters, 29(17), 21.1-21.4, 1840, doi:10.1029/2002GL014786.

- Serra, N., Ambar, I., 2002, Eddy generation in the Mediterranean undercurrent. *Deep-Sea Research-II*, 49(19), 4225-4243.
- Serra, N., Sadoux, S., Ambar, I., Renouard, D., 2002. Observations and Laboratory Modeling of Meddy Generation at Cape St. Vincent. *Journal of Physical Oceanography*, 32, 3-25.
- Sparrow, M., Boebel, O., Zervakis, V., Zenk, W., Cantos-Figuerola, A., Gould, W.J. 2002. Two circulation regimes of the Mediterranean outflow revealed by Lagrangian measurements. *Journal of Physical Oceanography*, 32(5), 1322-1330.
- Steffen, E.L., D'Asaro, E.A., 2002. Deep Convection in the Labrador Sea as Observed by Lagrangian Floats. *Journal of Physical Oceanography*, 32, 475-492.
- Vanicek, M., Siedler, G., 2002. Zonal fluxes in the deep water layers of the western South Atlantic Ocean. *Journal of Physical Oceanography*, 32(8), 2205-2235.
- Weatherly, G., Arhan, M., Mercier, H., Smethie, W.Jr., 2002. Evidence of abyssal eddies in the Brazil Basin. *Journal of Geophysical Research*, 107(C4), 10.1029/2000JC000648
- WOCE International Project Office, 2002. WOCE observations 1990-1998; a summary of the WOCE global data resource. WOCE International Project Office, WOCE Report No. 179/02. Southampton, UK.
- Wooding, C.M., Richardson, P.L., Pacheco, M.A., Glickson, D.A., Fratantoni, D.M., 2002. North Brazil Current Rings Experiment: RAFOS float data report, November 1998 - June 2000. Woods Hole Oceanographic Institution, Technical Reports WHOI-2002-08
- Wunsch, C., 2002. How did WOCE turn out? International WOCE Newsletter, No. 43,4-9. (Unpublished manuscript)
- Wunsch, C., 2002. Objective 1 - To complete a basic description of the general circulation of the Ocean. In: 2001 US WOCE Report, US WOCE Implementation Report No. 13, US WOCE Office, College Station, TX, 64pp.
- Yang, Chan-Su, Ishida, A., Iwasaka, N., 2002. On Prediction of the Argo Floats Drifted Ashore after Termination. *Kaiyo Kagaku Gijutsu Senta Shiken Kenkyu Hokoku*, no. 46, pp. 107-122.
- Yuan, G.-C., Pratt, L.J., Jones, C.K.R.T., 2002. Barrier destruction and Lagrangian predictability at depth in a meandering jet. *Dynamics of Atmospheres and Oceans*, 35(1), 41-61.

- Anonymous, 2001. 'Large-scale' circulation in the Atlantic Ocean. *Lettre aux Medias IFREMER*, 62, p2.
- Bacon, S., Centurioni, L.R., Gould, W.J., 2001. The Evaluation of Salinity Measurements from PALACE Floats. *Journal of Atmospheric and Oceanic Technology*, 18(7), 1258-1266.
- Blanke, S., Speich, S., Madec, G., Doos, K., 2001. A global diagnostic of interocean mass transfers. *Journal of Physical Oceanography*, 31(6), 1623-1632.
- Caniaux, G, Giordani, H., Prieur, L., Hernandez, F., 2001. Observations of an Intense Anticyclonic Warm Eddy in the Newfoundland Basin. *Geophysical Research Letters*, 28, 2649-2652.
- Carr, Mary-Elena Rossby, H. Thomas, 2001. Pathways of the North Atlantic Current from surface drifters and subsurface floats. *Journal of Geophysical Research*, 106(C3), 4405-4419.
- D'Asaro, E.A., 2001. Turbulent Vertical Kinetic Energy in the Ocean Mixed Layer. *Journal of Physical Oceanography*, 31(12), 3530-3537.
- Davis, R.E., Sherman, J.T., Dufour, J., 2001. Profiling ALACEs and other advances in autonomous subsurface floats. *Journal of Atmospheric and Oceanic Technology*, 18, 982-993.
- Davis, R.E., Zenk, W., 2001. Subsurface Lagrangian observations during the 1990s. In: *Ocean Circulation and Climate: Observing and Modelling the Global Ocean*, (Eds, G. Siedler, J. Church and J. Gould) pp. 123-139, Academic Press, San Diego, CA.
- Dickey, T.D., 2001. For Observing World's Oceans, Emerging Sensors, Systems. *Sea Technology*, 42(12), 10-16.
- Dutkiewicz, S., Rothstein, L., Rossby, T., 2001. Pathways of cross-frontal exchange in the North Atlantic Current. *Journal of Geophysical Research*, 106(C11), 26,917-26,928.
- Furey, H.H., Bower A.S., Richardson, P.L., 2001. Warm Water Pathways in the northeastern North Atlantic: ACCE RAFOS float data report, November 1996 - November 1999. Woods Hole Oceanographic Institution, Technical Reports WHOI-2001-17. 153pp.
- Garraffo, Z.D., Griffa, A., Mariano, A.J., Chassignet, E.P., 2001. Lagrangian data in a high-resolution numerical simulation of the North Atlantic. II. On the pseudo-Eulerian averaging of Lagrangian data. *Journal of Marine Systems*, 29(1-4), 177-200.
- Gille, S.T., 2001. Southern Ocean ALACE float temperatures are warmer than historic temperatures. *CLIVAR Exchanges*, 6(4), p22. (Unpublished Manuscript)

- Gould, W. John, 2001. Direct measurement of subsurface ocean currents: A success story. pp193-211 in Understanding the Ocean (Eds Margaret Deacon, Tony Rice, Colin Summerhayes), UCL Press.
- Griffiths, G., Davis, R., Eriksen, C., Frye, D., Marchand, P., Dickey, T., 2001. Towards new platform technology for sustained application. Pp324-338. In. Observing the Oceans in the 21st Century. Eds Chester J Koblinsky and Neville R. Smith. GODAE Project Office, Bureau of Meteorology, Melbourne, Australia. ISBN 0642 70618 2.
- Hogg, N.G., 2001. Quantification of the deep circulation. In: Ocean Circulation and Climate: Observing and Modelling the Global Ocean, pp. 259-270, Academic Press, San Diego, CA.
- Ichikawa, Y., Takatsuki, Y., Mizuno, K., Shikama, N., Takeuchi, K., 2001. Estimation of drifting velocity and error at parking depth for Argo float. Kaiyo Kagaku Gijutsu Senta Shiken Kenkyu Hokoku, no. 44, 81-89.
- Inoue, A., Miyazaki, M., Izawa, K., Ando, K., Takatsuki, Y., Mizuno, K., 2001. Stability of Water Temperature in the conductivity and temperature calibration system and result of calibration experiment. Kaiyo Kagaku Gijutsu Senta Shiken Kenkyu Hokoku, no. 44, pp. 1-8.
- Izawa, K., Mizuno, K., Miyazaki, M., Inoue, A., Ando, K., Takatsuki, Y., Kobayashi, T., Takeuchi, K., 2001. On the weight adjustment of profiling float. Kaiyo Kagaku Gijutsu Senta Shiken Kenkyu Hokoku, no. 44, pp. 181-196.
- Jochum, Markus, Malanotte-Rizzoli, Paola, 2001. Influence of the meridional overturning circulation on tropical-subtropical pathways: Journal of Physical Oceanography, 31, 1313-1323.
- Kobayashi, T., Ichikawa, Y., Takatsuki, Y., Suga, T., Iwasaka, N., Ando, K., Mizuno, K., Shikama, N., Takeuchi, K., 2001. Correcting method of Argo data based on HydroBase 1 - Introduction of Potential Conductivity. Kaiyo Kagaku Gijutsu Senta Shiken Kenkyu Hokoku, no. 44, pp. 115-124.
- Kobayashi, T., Ichikawa, Y., Takatsuki, Y., Suga, T., Iwasaka, N., Ando, K., Mizuno, K., Shikama, N., Takeuchi, K., 2001. Quality control of Argo data based on high quality climatological data set (HydroBase) Kaiyo Kagaku Gijutsu Senta Shiken Kenkyu Hokoku, no. 44, pp. 101-114.
- Lherminier, P., Harcourt, R.R., Garwood R.W., Gascard, J.C., 2001. Interpretation of mean vertical velocity measured by isobaric floats during deep convective events. Journal of Marine Systems, 29(1/4), 221-237.

- Lutjeharms, J.R.E., Boebel, O., Van Der Vaart, P.C.F., De Ruijter, W.M.P., Rossby, T., Bryden, H.L., 2001. Evidence that the Natal Pulse involves the Agulhas Current to its full depth. *Geophysical Research Letters*, 28(18), 3449-3452.
- Morel, Y., McWilliams, J., 2001. Effects of Isopycnal and Diapycnal Mixing on the Stability of Oceanic Currents. *Journal of Physical Oceanography*. 31(8), 2280-2296.
- Morris, M., Stanton, B., Neil, H., 2001. Subantarctic oceanography around New Zealand: preliminary results from an ongoing survey. *New Zealand Journal of Marine and Freshwater Research*, 35(3), 499-519.
- Nakajima, H., Takatsuki, Y., Mizuno, K., Takeuchi, K., Shikama, N., 2001. Data communication status of the ARGO floats. *Kaiyo Kagaku Gijutsu Senta Shiken Kenkyu Hokoku*, no. 44, pp. 153-161.
- Oka, E., 2001. A Simulation for Deployment of ARGO Floats. *Kaiyo Kagaku Gijutsu Senta Shiken Kenkyu Hokoku*, no. 44, pp. 9-16.
- Pingree, R., Sinha, B., 2001. Westward moving waves or eddies (Storms) on the subtropical/Azores Front near 32.5N? Interpretation of the Eulerian currents and temperature records at moorings 155 (35.5W) and 156 (34.4W). *Journal of Marine Systems*, 29(1/4), 239-276.
- Piterberg, L.I., 2001. Short-term prediction of Lagrangian trajectories. *Journal of Atmospheric and Oceanic Technology*, 18(8), 1398-1410.
- Rintoul, S.R., Sokolov, S., 2001. Baroclinic transport variability of the Antarctic Circumpolar Current south of Australia (WOCE repeat section SR3). *Journal of Geophysical Research*, 106(C2), 2815-2832.
- Richardson, P.L., 2001. Drifters and floats. In *Encyclopedia of Ocean Sciences - Vol. 2 (D-H)*. pp. 767-774.
- Richardson, P., 2001: Vignette. (J.A.Knauss). *Oceanography*, 14(2), p.26.
- Roemmich, D., Boebel, O., Desaubies, Y., Freeland, H., King, B., Le Traon, P.-Y., Molinari, R.L., Owens, W.B., Riser, S., Send, U., Takeuchi, K., Wijffels, S., 2001. Argo - The global Array of profiling floats. pp248-258 In. *Observing the Oceans in the 21st Century*. Eds Chester J Koblinsky and Neville R. Smith. GODAE Project Office, Bureau of Meteorology, Melbourne, Australia. ISBN 0642 70618 2.
- Schmid, C., Molinari, R.L., Garzoli, S.L., 2001. New observations of the intermediate depth circulation in the tropical Atlantic.

Journal of Marine Research, 59(2), 281-312.

- Schodlok, M.P., Rodehacke, C.B., Hellmer, H.H., Beckmann, A., 2001. On the origin of the deep CFC maximum in the eastern Weddell Sea - numerical model results. *Geophys. Res. Lett.* 28, 2859-2862.
- Takatsuki, Y., Ichikawa, Y., Kobayashi, T., Mizuno, K., Takeuchi, K., 2001. Construction of the automated data processing and delayed-mode quality control system for profiling floats. *Kaiyo Kagaku Gijutsu Senta Shiken Kenkyu Hokoku*, no. 44, pp. 17-27; 2001
- Talley, L.D., Stammer, D., Fukumori, I., 2001. Towards a WOCE synthesis. In: *Ocean Circulation and Climate: Observing and Modelling the Global Ocean*, pp. 525-545, Academic Press, San Diego, CA.
- Wijffels, S.E., Toole, J.M., Davis, R.E., 2001. Revisiting the South Pacific subtropical circulation: A synthesis of World Ocean Circulation Experiment observations along 32°S. *Journal of Geophysical Research.* 106(C9), 19,481-19,513.
- Zhang, Huai-Min, Prater, M.D., Rossby, T., 2001. Isopycnal Lagrangian statistics from the North Atlantic Current RAFOS float observations. *Journal of Geophysical Research.* 106(C7), 13,817-13,836.
- 2000 (39)
- Anonymous, 2000. WOCE Global Data, Version 2.0., CD ROM, WOCE International Project Office, Southampton, UK.
- Bacon, S., Centurioni, L.R., Gould, W.J., 2000. Evaluation of P-ALACE float salinity measurements. *Geophysical Research Abstracts*, [Katlenburg-Lindau], Issue 2; 1 Page.
- Baker, D.James, 2000: From Argo to ARGONET. Pages 212-213 in "50 years of Ocean Discovery: National Science Foundation 1950-2000". National Academies Press, Washington DC, 278pp., and at <http://www.nap.edu/books/0309063981/html/index.html>
- Blaha, John, P., Born, G.H., Guinasso, N.L.Jr., Herring, H.J., Jacobs, G.A., Kelly, F.J., Leben, R.R., Martin, R.D., Jr., Mellor, G.L., Niiler, P. Peter, Parke, M.E., Patchen, R.C., Schaudt, K., Scheffner, N.W., Shum, C.K., Ohlmann, C., Sturges, W., Weatherly, G.L., Webb, D., White, H.J., 2000. Gulf of Mexico Ocean Monitoring System, *Oceanography*, 13(2), 10-17.
- Boebel, O., Anderson-Fontana, S., Schmid, C., Ansorge, I., Lazarevich, Peter, Lutjeharms, Johann, Prater, M., Rossby, T., Zenk, W., 2000. KAPEX RAFOS float data report, 1997-1999. Part A: The Agulhas- and South Atlantic current components. *Berichte aus dem Institut für Meereskunde an der Christian-Albrechts-Universität*,

Kiel IFM October 2000, 194pp.

- Boebel, O., Barron, C., Richardson, P., Lutjeharms, J., Davis, R.
2000. Mixing of Antarctic intermediate water from the Atlantic and Indian Ocean at the Agulhas Retroflection. International WOCE Newsletter, No.39, 9-12. (Unpublished manuscript)
- Bower, Amy S., Hunt, Heather D., 2000. Lagrangian observations of the deep western boundary current in the North Atlantic Ocean. Part I: Large-scale pathways and spreading rates. Journal of Physical Oceanography. 30, 784-804.
- Bower, Amy S., Hunt, Heather D., 2000. Lagrangian observations of the deep western boundary current in the North Atlantic Ocean. Part II: The Gulf Stream-deep western boundary current crossover. Journal of Physical Oceanography. 30, 784-804.
- Bower, A.S., Richardson, P.L., Hunt, H.D., Rossby, T., Prater, M.D., Zhang, H.-M., Perez-Brunius, P., Lazarevich, P., 2000. Warm-water pathways in the subpolar North Atlantic: an overview of the ACCE RAFOS float programme. International WOCE Newsletter, No.38, 14-16. (Unpublished manuscript)
- Bracco, Annalisa, LaCasce, J.H., Provenzale, Antonello, 2000. Velocity probability density functions for oceanic floats. Journal of Physical Oceanography. 30, 461-474.
- Brink, K.H. Beardsley, R.C., Paduan, J., Limeburner, R., Caruso, M., Sires, J.G., 2000. A view of the 1993-1994 California Current based on surface drifters, floats, and remotely sensed data. Journal of Geophysical Research, 105(C4), 8575-8604.
- Cherubin, L., Carton, X., Paillet, J., Morel, Y., Serpette, A., 2000. Instability of the Mediterranean water undercurrents southwest of Portugal: effects of baroclinicity and of topography. Oceanologica Acta, 23(5), 551-573, doi: 10.1016/S0399-1784(00)01105-1.
- Feder, T., 2000: Argo begins systematic global probing of the upper oceans. Physics Today, 53(7), 50-51.
- Freeland, H., 2000. Project Argo. PICES Press, 8(2), 9,27.
- Guinehut, S., Larnicol, G., Le Traon, P.-Y., 2000. Design of an array of profiling floats in the North Atlantic from model simulations - preliminary results. CLIVAR Exchanges, 5(3), 6-8. (Unpublished Manuscript)
- Guinehut, S., Larnicol, G., Le Traon, P.-Y., 2000. Design of an array of profiling floats in the North Atlantic from model simulations. Geophysical Research Abstracts, [Katlenburg-Lindau], Issue 2; 1 Page; 2000

- Harcourt, R.R., Steffen, E.L., Garwood, R.W., D'Asaro, E.A., 2000. Fully Lagrangian floats in Labrador Sea deep convection: comparison of numerical and experimental results. Geophysical Research Abstracts, [Katlenburg-Lindau], Issue 2; 1 Page; 2000
- Lacasce, J.H., 2000. Floats and f/H. Journal of Marine Research, 58(1), 61-95.
- Lacasce, J.H., Bower, A., 2000. Relative dispersion in the subsurface North Atlantic. Journal of Marine Research, 58(6), 863-894.
- Lavender, Kara L., Davis Russ E., Owens, W.Brechner, 2000. Mid-depth recirculation observed in the interior Labrador and Irminger seas by direct velocity measurements. Nature, London, 407(6800), 66-69.
- Lherminier, P., Harcourt, R.R., Garwood, R.W., Gascard, J.C., 2000. Interpretation of mean vertical velocity measured by isobaric floats. Geophysical Research Abstracts, [Katlenburg-Lindau], Issue 2; 1 Page; 2000
- Malanotte-Rizzoli, Paola, Hedstrom, Kate, Arango, Hernan, Haidvogel, Dale B., 2000. Water mass pathways between the subtropical and tropical ocean in a climatological simulation of the North Atlantic ocean circulation. Dynamics of Atmospheres and Oceans, Amsterdam, The Netherlands. 32, 331-371.
- Meinen, C.S., Watts, D.R., Clarke, R.A., 2000. Absolutely referenced geostrophic velocity and transport on a section across the North Atlantic Current. Deep-Sea Research. Part 1: 47(2) 309-322; 2000
- Montgomery, E.T., Schmitt, R.W., 2000. An automated method of processing data from profiling floats. Marine Technology Society; (Where Marine Science and Technology Meet Oceans 2000 CD-ROM)
- O'Dwyer, Jane, Williams, Richard G., LaCasce, Joseph H., Speer, Kevin G., 2000. Does the potential vorticity distribution constrain the spreading of floats in the North Atlantic? Journal of Physical Oceanography. 30, 721-732.
- Oliveira, Paulo B., Serra, Nuno, Fiuza, Armando F.G., Ambar, Isabel, 2000. A study of meddies using simultaneous in-situ and satellite observations. In Halpern, David (ed.), Satellites, oceanography and society., Amsterdam, The Netherlands, Elsevier Science Publishers, 125-148.
- Rhein, M., 2000. Drifters reveal deep circulation. Nature, 407(6800), 30-31.

- Richardson, P.L., Bower, A.S., Zenk, W., 2000. A census of Meddies tracked by floats. *Progress in Oceanography*, 45, 209-250.
- Richardson, P.L., Garzoli, S.L., Duncombe Rae, C.M., Fratantoni, D.M., et al, 2000. Float trajectories at 750 m in the Benguela current (Kapex). *Geophysical Research Abstracts*, [Katlenburg-Lindau], Issue 2; 1 Page.
- Robbins, P.E., Price, J.F., Owens, W.B., Jenkins, W.J., 2000. The Importance Of Lateral Diffusion For The Ventilation Of The Lower Thermocline in the sub-tropical North Atlantic. *Journal of Physical Oceanography* 30(1), 67-89.
- Roemmich, D., Owens, W.B., 2000. The Argo Project: global ocean observations for understanding and prediction of climate variability. *Oceanography*, 13(2), 45-50.
- Rossby, T., Prater, M.D., Zhang, H.-M., Anderson-Fontana, S., Perez-Brunius, P., Lazarevich, P., Bower, A.S., Richardson, P.L., Hunt, H.D., 2000. Warm-water pathways in the subpolar North Atlantic: some case studies. *International WOCE Newsletter*, No.38, 17-19. (Unpublished manuscript)
- Schmid, C., Siedler, G., Zenk, W., 2000. Dynamics of intermediate water circulation in the Subtropical South Atlantic. *Journal of Physical Oceanography*, 30(12), 3191-3211.
- Turton, J., Cattle, H., 2000. The UK contribution to Argo. *Marine Observer*. 70, 173-175.
- Wilson, S., 2000. Launching the Argo armada. *Oceanus*, 42(1), 17-19.
- Wilson, W.S., Starks, D., 2000. We Routinely Observe the Tropical Pacific: To Forecast El Nino/La Nina and Their Influence on Climate [the Argo Program]. *Mariners Weather Log* 44, 23-24.
- Zenk, W., 2000. Labrador Sea Water in the Iceland Basin: an overview of the present Kiel RAFOS float programme. *International WOCE Newsletter*, No.39, 3-6. (Unpublished manuscript)
- Zenk, W., 2000. Direct observations of the Iceland Basin cyclone at mid depths. *International Council for the Exploration of the Sea. Theme Session on North Atlantic Processes*. 9 pp.
- Zenk, Walter, Pinck, Andreas, Becker, Sylvia, Tillier, Pierre, 2000. The float park: a new tool for a cost-effective collection of Lagrangian time series with dual release RAFOS floats. *Journal of Atmospheric and Oceanic Technology*, Boston, MA. 17, 1439-1443.