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Fiscal Year 2006

Cont. #: 2807

Aguilar-Islas, A.M., J.A. Resing, and K.W. Bruland (2006): [Catalytically enhanced spectrophotometric determination of manganese in seawater by flow-injection analysis with a commercially available resin for on-line preconcentration](http://journal-intra.pmel.noaa.gov/2006/agui2807.pdf). *Limnol. Oceanogr. Methods*, 4, 105–113. <http://journal-intra.pmel.noaa.gov/2006/agui2807.pdf>

Cont. #: 2602

Arimoto, R., Y.J. Kim, Y.P. Kim, P.K. Quinn, T.S. Bates, T.L. Anderson, S. Gong, I. Uno, M. Chin, B.J. Huebert, A.D. Clarke, Y. Shinozuka, R.J. Weber, J.R. Anderson, S.A. Guazzotti, R.C. Sullivan, D.A. Sodeman, K.A. Prather, and I.N. Sokolik (2006): [Characterization of Asian dust during ACE-Asia](http://journal-intra.pmel.noaa.gov/2006/arim2602.pdf). *Global Planet. Change*, 52(1–4), doi: 10.1016/j.gloplacha, 23–56. <http://journal-intra.pmel.noaa.gov/2006/arim2602.pdf>

Cont. #: 2922

Arrigo, K., H. Bange, R. Feely, N. Gruber, D. Hansell, G. Herndl, K. Lee, T. Johannessen, K. Johnson, A. Körtzinger, N. Metzl, T. Saino, and B. Stephens (2006): [Joint SOLAS-IMBER Ocean Carbon Research: Implementation Plan](http://www.pmel.noaa.gov/pubs/PDF/arri2922/arri2922.pdf). IMBER Report No. 1/SOLAS Report, International Council for Science, Scientific Committee on Oceanic Research, 45 pp. <http://www.pmel.noaa.gov/pubs/PDF/arri2922/arri2922.pdf>

Cont. #: 2875

Baker, E.T., J.A. Resing, S.L. Walker, F. Martinez, B. Taylor, and K.-I. Nakamura (2006): [Abundant hydrothermal venting along melt-rich and melt-free ridge segments in the Lau back-arc basin](http://journal-intra.pmel.noaa.gov/2006/bake2875.pdf). *Geophys. Res. Lett.*, 33, L07308, doi: 10.1029/2005GL025283. <http://journal-intra.pmel.noaa.gov/2006/bake2875.pdf>

Cont. #: 2589

Bates, N.R., A.C. Pequignet, and C.L. Sabine (2006): [Ocean carbon cycling in the Indian Ocean: I. Spatio-temporal variability of inorganic carbon and air-sea gas exchange](http://journal-intra.pmel.noaa.gov/2006/bate2589.pdf). *Global Biogeochem. Cy.*, 20(3), GB3020, doi: 10.1029/2005GB002491. <http://journal-intra.pmel.noaa.gov/2006/bate2589.pdf>

Cont. #: 2772

Bates, N.R., A.C. Pequignet, and C.L. Sabine (2006): [Ocean carbon cycling in the Indian Ocean: II. Estimates of net community production](http://journal-intra.pmel.noaa.gov/2006/bate2772.pdf). *Global Biogeochem. Cy.*, 20(3), GB3021, doi: 10.1029/2005GB002492. [http://journal-](http://journal-intra.pmel.noaa.gov/2006/bate2772.pdf)

[intra.pmel.noaa.gov/2006/bate2772.pdf](http://journal-intra.pmel.noaa.gov/2006/bate2772.pdf)

Cont. #: 2857

Bates, T.S., T.L. Anderson, T. Baynard, T. Bond, O. Boucher, G. Carmichael, A. Clarke, C. Erlick, H. Guo, L. Horowitz, S. Howell, S. Kulkarni, H. Maring, A. McComiskey, A. Middlebrook, K. Noone, C.D. O'Dowd, J. Ogren, J. Penner, P.K. Quinn, A.R. Ravishankara, D.L. Savoie, S.E. Schwartz, Y. Shinozuka, Y. Tang, R.J. Weber, and Y. Wu (2006): [Aerosol direct radiative effects over the northwest Atlantic, northwest Pacific, and North Indian Oceans: Estimates based on in-situ chemical and optical measurements and chemical transport modeling](http://journal-intra.pmel.noaa.gov/2006/bate2857.pdf). Atmos. Chem. Phys., 6, 1657–1732. <http://journal-intra.pmel.noaa.gov/2006/bate2857.pdf>

Cont. #: 2991

Behrenfeld, M.J., K. Worthington, R.M. Sherrell, F.P. Chavez, P. Strutton, M. McPhaden, and D.M. Shea (2006): [Controls on tropical Pacific Ocean productivity revealed through nutrient stress diagnostics](http://journal-intra.pmel.noaa.gov/2006/beh2991.pdf). Nature, 442(7106), 1025–1028. <http://journal-intra.pmel.noaa.gov/2006/beh2991.pdf>

Cont. #: 2947

Bell, G.D., M.S. Halpert, and M.J. McPhaden (2006): [The Tropics: El Niño–Southern Oscillation](http://journal-intra.pmel.noaa.gov/2006/bell2947.pdf). In *State of the Climate in 2005*, K.A. Shein (ed.), Bull. Am. Meteorol. Soc., 87(6), S30–S33. <http://journal-intra.pmel.noaa.gov/2006/bell2947.pdf>

Cont. #: 2754

Bennett, A.F., B.S. Chua, H.-E. Ngodock, D.E. Harrison, and M.J. McPhaden (2006): [Generalized inversion of the Gent-Cane model of the tropical Pacific with Tropical Atmosphere–Ocean \(TAO\) data](http://journal-intra.pmel.noaa.gov/2006/benn2754.pdf). J. Mar. Res., 64(1), 1–42. <http://journal-intra.pmel.noaa.gov/2006/benn2754.pdf>

Cont. #: 2874

Bernard, E.N., H.O. Mofjeld, V.V. Titov, C.E. Synolakis, and F.I. González (2006): [Tsunami: Scientific frontiers, mitigation, forecasting, and policy implications](http://journal-intra.pmel.noaa.gov/2006/bern2874.pdf). Proc. Roy. Soc. Lon. A, 364(1845), doi: 10.1098/rsta.2006.18, 1989–2007. <http://journal-intra.pmel.noaa.gov/2006/bern2874.pdf>

Cont. #: 2790

Bond, N.A., C.F. Dierking, and J.D. Doyle (2006): [Research aircraft and wind profiler observations in Gastineau Channel during a Taku wind event](http://journal-intra.pmel.noaa.gov/2006/bond2790.pdf). Weather Forecast., 489–501. <http://journal-intra.pmel.noaa.gov/2006/bond2790.pdf>

Cont. #: 2682

Bond, N.A., B.F. Smull, M.T. Stoelinga, C.P. Woods, and A. Haase (2005): [Evolution of a cold front encountering steep quasi-2D terrain: Coordinated aircraft observations of 8–9 December 2001 during IMPROVE-2](http://journal-intra.pmel.noaa.gov/2006/bond2682.pdf). J. Atmos. Sci., 62(10), 3559–3579. <http://journal-intra.pmel.noaa.gov/2006/bond2682.pdf>

Cont. #: 2777

Buck, C.S., W.M. Landing, J. Resing, and G.T. Lebon (2006): [Aerosol iron and aluminum solubility in the Northwest Pacific Ocean: Results from the 2002 IOC Cruise](http://journal-intra.pmel.noaa.gov/2006/buck2777.pdf). *Geochem. Geophys. Geosyst.*, 7, Q04M07, doi: 10.1029/2005GC000977. <http://journal-intra.pmel.noaa.gov/2006/buck2777.pdf>

Cont. #: 2919

Bullister, J.L., D.P. Wisegarver, and R.E. Sonnerup (2006): [Sulfur hexafluoride as a transient tracer in the north Pacific Ocean](http://journal-intra.pmel.noaa.gov/2006/bull2919.pdf). *Geophys. Res. Lett.*, 33, L18603, doi: 10.1029/2006GL026514. <http://journal-intra.pmel.noaa.gov/2006/bull2919.pdf>

Cont. #: 2835

Caldeira, K., M. Akai, P. Brewer, B. Chen, P. Haugan, T. Iwama, P. Johnston, H. Khesghi, Q. Li, T. Ohsumi, H. Pörtner, C. Sabine, Y. Shirayama, and J. Thomson (2005): [Ocean Storage](http://journal-intra.pmel.noaa.gov/2006/cald2835.pdf). Chapter 6 in IPCC Special Report on Carbon Dioxide Capture and Storage, Metz, B., O. Davidson, H.C. de Coninck, M. Loos, and L.A. Meyer (eds.), Prepared by Working Group III of the Intergovernmental Panel on Climate Change, Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, 277–317. <http://journal-intra.pmel.noaa.gov/2006/cald2835.pdf>

Cont. #: 2709

Chadwick, Jr., W.W., S.L. Nooner, M.A. Zumberge, R.W. Embley, and C.G. Fox (2006): [Vertical deformation monitoring at Axial Seamount since its 1998 eruption using deep-sea pressure sensors](http://journal-intra.pmel.noaa.gov/2006/chad2709.pdf). *J. Volcanol. Geoth. Res.*, 150(1–3), 313–327. <http://journal-intra.pmel.noaa.gov/2006/chad2709.pdf>

Cont. #: 2856

Chiodi, A.M., and D.E. Harrison (2006): [Summertime subtropical sea surface temperature variability](http://journal-intra.pmel.noaa.gov/2006/chio2856.pdf). *Geophys. Res. Lett.*, 33, L08601, doi: 10.1029/2005GL024524. <http://journal-intra.pmel.noaa.gov/2006/chio2856.pdf>

Cont. #: 2743

Cronin, M.F., N.A. Bond, C. Fairall, and R.A. Weller (2006): [Surface cloud forcing in the east Pacific stratus deck/cold tongue/ITCZ complex](http://journal-intra.pmel.noaa.gov/2006/cron2743.pdf). *J. Climate*, 19(3), 392–409. <http://journal-intra.pmel.noaa.gov/2006/cron2743.pdf>

Cont. #: 2869

Cronin, M.F., C. Fairall, and M.J. McPhaden (2006): [An assessment of buoy-derived and numerical weather prediction surface heat fluxes in the tropical Pacific](http://journal-intra.pmel.noaa.gov/2006/cron2869.pdf). *J. Geophys. Res.*, 111(C6), C06038, doi: 10.1029/2005JC003324. <http://journal-intra.pmel.noaa.gov/2006/cron2869.pdf>

Cont. #: 2958

Cronin, M.F., C. Meinig, and C.L. Sabine (2006): [Flux mooring for the north Pacific's](http://journal-intra.pmel.noaa.gov/2006/cron2958.pdf)

- [western boundary current: Kuroshio Extension Observatory \(KEO\)](#). In Annual Report on The State of the Ocean and the Ocean Observing System for Climate, Annual Report, Fiscal Year 2005, J.M. Levy (ed.), NOAA/Climate Program Office/Office of Climate Observation, 159–162.
- Cont. #: 2815  
Curchitser, E.N., D.B. Haidvogel, A.J. Hermann, E.L. Dobbins, T.M. Powell, and A. Kaplan (2005): [Multi-scale modeling of the North Pacific Ocean: Assessment and analysis of simulated basin-scale variability \(1996–2003\)](#). J. Geophys. Res., 110(C11), C11021, doi: 10.1029/2005/JC00290. <http://journal-intra.pmel.noaa.gov/2006/curc2815.pdf>
- Cont. #: 2906  
de Ronde, C.E.J., M.D. Hannington, P. Stoffers, I.C. Wright, R.G. Ditchburn, A.G. Reyes, E.T. Baker, G.J. Massoth, J.E. Lupton, S.L. Walker, R.R. Greene, C.W.R. Soong, J. Ishibashi, G.T. Lebon, C.J. Bray, and J.A. Resing (2005): [Evolution of a submarine magmatic-hydrothermal system: Brothers Volcano, Southern Kermadec Arc, New Zealand](#). Econ. Geol., 100, 1097–1133. <http://journal-intra.pmel.noaa.gov/2006/dero2906.pdf>
- Cont. #: 2889  
Duffy-Anderson, J.T., M.S. Busby, K.L. Mier, C.M. Deliyanides, and P.J. Stabeno (2006): [Spatial and temporal patterns in summer ichthyoplankton assemblages on the eastern Bering Sea shelf 1996–2000](#). Fish. Oceanogr., 15(1), 80–94. <http://journal-intra.pmel.noaa.gov/2006/duff2889.pdf>
- Cont. #: 2847  
Dziak, R., J. Cowen, E. Baker, D. Bohnenstiehl, B. Chadwick, J. Resing, and R. Embley (2006): [Detecting volcanic events in the northeast Pacific](#). Eos Trans. AGU, 87(4), 37–42. <http://journal-intra.pmel.noaa.gov/2006/dzia2847.pdf>
- Cont. #: 2855  
Dziak, R.P. (2006): [Explorer deformation zone: Evidence of a large shear zone and reorganization of the Pacific–Juan de Fuca–North American triple junction](#). Geology, 34(3), 213–216. <http://journal-intra.pmel.noaa.gov/2006/dzia2855.pdf>
- Cont. #: 2893  
Embley, R.W., W.W. Chadwick, Jr., E.T. Baker, D.A. Butterfield, J.A. Resing, C.E.J. de Ronde, V. Tunnicliffe, J.E. Lupton, S.K. Juniper, K.H. Rubin, R.J. Stern, G.T. Lebon, K.-I. Nakamura, S.G. Merle, J.R. Hein, D.A. Wiens, and Y. Tamura (2006): [Long-term eruptive activity at a submarine arc volcano](#). Nature, 441(7092), 494–497. <http://journal-intra.pmel.noaa.gov/2006/embl2893.pdf>
- Cont. #: 2899  
Feely, R.A., C.L. Sabine, and V.J. Fabry (2006): [Carbon dioxide and our ocean legacy:](#)

[Clear the air and conserve our ocean legacy](#). Brochure, National Environmental Trust, Washington, D.C., 4 pp. <http://www.pmel.noaa.gov/pubs/PDF/feel2899/feel2899.pdf>

Cont. #: 2796

Feely, R.A., T. Takahashi, R. Wanninkhof, M.J. McPhaden, C.E. Cosca, S.C. Sutherland, and M.-E. Carr (2006): [Decadal variability of the air-sea CO<sub>2</sub> fluxes in the equatorial Pacific Ocean](#). J. Geophys. Res., 111(C08), C08S90, doi: 10.1029/2005JC003129. <http://journal-intra.pmel.noaa.gov/2006/feel2796.pdf>

Cont. #: 2779

Feely, R.A., L.D. Talley, G.C. Johnson, C.L. Sabine, and R. Wanninkhof (2005): [Repeat hydrography cruises reveal chemical changes in the North Atlantic](#). Eos, Trans. AGU, 86(42), 399, 404–405. <http://journal-intra.pmel.noaa.gov/2006/feel2779.pdf>

Cont. #: 2960

Feely, R.A., R. Wanninkhof, C. Sabine, G. Johnson, M. Baringer, J. Bullister, C.W. Mordy, and J.-Z. Zhang (2006): [Global repeat hydrographic/CO<sub>2</sub>/tracer surveys in support of CLIVAR and global carbon cycle objectives: Carbon inventories and fluxes](#). In Annual Report on The State of the Ocean and the Ocean Observing System for Climate, Annual Report, Fiscal Year 2005, J.M. Levy (ed.), NOAA/Climate Program Office/Office of Climate Observation, 196–206.

Cont. #: 2965

Feely, R.A., R. Wanninkhof, C.L. Sabine, T.-H. Peng, R. Key, F. Millero, A. Dickson, A. Kozyr, and S.C. Hankin (2006): [Management of NOAA's carbon monitoring network, Project 1: CLIVAR/CO<sub>2</sub> repeat hydrography program CO<sub>2</sub> synthesis science team; Project 2: An end-to-end data management system for ocean pCO<sub>2</sub> measurements; etc.](#). In Annual Report on The State of the Ocean and the Ocean Observing System for Climate, Annual Report, Fiscal Year 2005, J.M. Levy (ed.), NOAA/Climate Program Office/Office of Climate Observation, 268–281.

Cont. #: 2780

Foltz, G.R., and M.J. McPhaden (2005): [Mixed layer heat balance on intraseasonal time scales in the northwestern tropical Atlantic Ocean](#). J. Climate, 18(20), 4168–4184. <http://journal-intra.pmel.noaa.gov/2006/folt2780.pdf>

Cont. #: 2974

Freitag, H.P., M.J. McPhaden, M.F. Cronin, C.L. Sabine, D.C. McClurg, and P.D. McLain (2006): [PMEL Contributions to the OceanSITES Program](#). In Oceans 2006: Revolutionizing Marine Science and Technology, MTS/IEEE, Boston, MA, 18–21 September 2006.

Cont. #: 2712

Geist, D., W. Chadwick, and D. Johnson (2006): [Results from new GPS and gravity monitoring networks at Fernandina and Sierra Negra volcanoes, Galápagos, 2000–2002](#).

- J. Volcanol. Geoth. Res., 150(1–3), 79–97. <http://journal-intra.pmel.noaa.gov/2006/geis2712.pdf>
- Cont. #: 2886  
Geist, E.L., S.L. Bilek, D. Arcas, and V.V. Titov (2006): [Differences in tsunami generation between the December 26, 2004 and March 28, 2005 Sumatra earthquakes](#). Earth Planets Space, 58(2), 185–193.
- Cont. #: 2929  
Geist, E.L., V.V. Titov, and C.E. Synolakis (2006): [Tsunami: Wave of change](#). Scientific American, 294(1), 56–63.
- Cont. #: 2601  
Gharib, J.J., F.J. Sansone, J.A. Resing, E.T. Baker, J.E. Lupton, and G.J. Massoth (2005): [Methane dynamics in hydrothermal plumes over a superfast spreading center: East Pacific Rise 27.5°–32.3°S](#). J. Geophys. Res., 110(B10), B10101, doi: 10.1029/2004JB003531. <http://journal-intra.pmel.noaa.gov/2006/ghar2601.pdf>
- Cont. #: 2975  
González, F.I., E. Geist, C. Synolakis, D. Arcas, D. Bellomo, D. Carlton, T. Horning, B. Jaffe, J. Johnson, U. Kanoglu, H. Mofjeld, J. Newman, T. Parsons, R. Peters, C. Peterson, G. Priest, V. Titov, A. Venturato, J. Weber, F. Wong, and A. Yalciner (Tsunami Pilot Study Working Group) (2006): [Seaside, Oregon Tsunami Pilot Study—Modernization of FEMA flood hazard maps](#). NOAA OAR Special Report, NOAA/OAR/PMEL, Seattle, WA, 94 pp. + 7 appendices. <http://www.pmel.noaa.gov/pubs/PDF/gonz2975/gonz2975.pdf>
- Cont. #: 2860  
Grebmeier, J.M., J.E. Overland, S.E. Moore, E.V. Farley, E.C. Carmack, L.W. Cooper, K.E. Frey, J.H. Helle, F.A. McLaughlin, and S.L. McNutt (2006): [A major ecosystem shift in the Northern Bering Sea](#). Science, 311(5766), 1461–1464. <http://journal-intra.pmel.noaa.gov/2006/greb2860.pdf>
- Cont. #: 2967  
Hankin, S., K.J. Kern, and R. Habermann (2006): [Observing system monitoring center \(OSMC\)](#). In Annual Report on The State of the Ocean and the Ocean Observing System for Climate, Annual Report, Fiscal Year 2005, J.M. Levy (ed.), NOAA/Climate Program Office/Office of Climate Observation, 285–287.
- Cont. #: 2753  
Hare, J., C. Fairall, T. Uttal, D. Hazen, M.F. Cronin, N. Bond, and D. Veron (2005): [Cloud, radiation, and surface forcing in the equatorial eastern Pacific](#). NOAA Tech Memo OAR-PSD 307, NOAA ESRL, Boulder, CO, 64 pp. <http://www.pmel.noaa.gov/pubs/PDF/hare2753/hare2753.pdf>

Cont. #: 2966

Harrison, D.E. (2006): [Observing system research studies](#). In Annual Report on The State of the Ocean and the Ocean Observing System for Climate, Annual Report, Fiscal Year 2005, J.M. Levy (ed.), NOAA/Climate Program Office/Office of Climate Observation, 281–283.

Cont. #: 2585

Hegg, D.A., D.S. Covert, H. Jonsson, and P.A. Covert (2005): [Determination of the transmission efficiency of an aircraft aerosol inlet](#). Aer. Sci. Tech., 39(10), 966–971. <http://journal-intra.pmel.noaa.gov/2006/hegg2585.pdf>

Cont. #: 2851

Hey, R.N., G.J. Massoth, R.C. Vrijenhoek, P.A. Rona, J. Lupton, and D.A. Butterfield (2006): [Hydrothermal vent geology and biology at Earth's fastest spreading rates](#). Mar. Geophys. Res., 27(2), 137–153. <http://journal-intra.pmel.noaa.gov/2006/hey2851.pdf>

Cont. #: 2720

Hood, R.R., E.A. Laws, R.A. Armstrong, N.R. Bates, C.W. Brown, C.A. Carlson, F. Chai, S.C. Doney, P.G. Falkowski, R.A. Feely, M.A.M. Friedrichs, M.R. Landry, J.K. Moore, D.M. Nelson, T.L. Richardson, B. Salihoglu, M. Schartau, D.A. Toole, and J.D. Wiggert (2006): [Pelagic functional group modeling: Progress, challenges and prospects](#). Deep-Sea Res. Pt. II, 53(5–7), 459–512. <http://journal-intra.pmel.noaa.gov/2006/hood2720.pdf>

Cont. #: 2742

Huber, J.A., H.P. Johnson, D.A. Butterfield, and J.A. Baross (2006): [Microbial life in ridge flank crustal fluids](#). Environ. Microbiol., 8(1), 88–99. <http://journal-intra.pmel.noaa.gov/2006/hube2742.pdf>

Cont. #: 2811

Hunt, Jr., G.L., and P.J. Stabeno (2005): [Oceanography and ecology of the Aleutian Archipelago: Spatial and temporal variation](#). Fish. Oceanogr., 14(Suppl. 1), 292–306. <http://journal-intra.pmel.noaa.gov/2006/hunt2811.pdf>

Cont. #: 2850

Ishibashi, J.-I., J.E. Lupton, T. Yamaguchi, J. Querellou, T. Nunoura, and K. Takai (2006): [Expedition reveals changes in Lau Basin hydrothermal system](#). Eos Trans. Am. Geophys. Union, 87(2), 13, 17. <http://journal-intra.pmel.noaa.gov/2006/ishi2850.pdf>

Cont. #: 2879

Iziomon, M.G., U. Lohmann, and P. Quinn (2006): [Summertime pollution events in the Arctic and potential implications](#). J. Geophys. Res., 111(D1), D12206, doi: 10.1029/2005JD006223. <http://journal-intra.pmel.noaa.gov/2006/izio2879.pdf>

Cont. #: 2887

- Jaffe, B.E., J.C. Borrero, G.S. Prasetya, R. Peters, B. McAdoo, G. Gelfenbaum, R. Morton, P. Ruggiero, B. Higman, L. Dengler, R. Hidayat, E. Kingsley, W. Kongko, Lukijanto, A. Moore, V.V. Titov, and E. Yulianto (2006): [Northwest Sumatra and offshore islands field survey after the December 2004 Indian Ocean tsunami](#). EERI Earthquake Spectra, 22(S3), S105–S135.
- Cont. #: 2714  
Jahncke, J., K.O. Coyle, S.I. Zeeman, N.B. Kachel, and G.L. Hunt, Jr. (2005): [Distribution of foraging shearwaters relative to inner front of SE Bering Sea](#). Mar. Ecol.-Prog. Ser., 305, 219–233. <http://journal-intra.pmel.noaa.gov/2006/jahn2714.pdf>
- Cont. #: 2806  
Johnson, G.C. (2006): [Generation and initial evolution of a Mode Water theta-S anomaly](#). J. Phys. Oceanogr., 36(4), 739–751. <http://journal-intra.pmel.noaa.gov/2006/john2806.pdf>
- Cont. #: 2924  
Johnson, G.C., and S.C. Doney (2006): [Recent western South Atlantic bottom water warming](#). Geophys. Res. Lett., 33, L14614, doi: 10.1029/2006GL026769. <http://journal-intra.pmel.noaa.gov/2006/john2924.pdf>
- Cont. #: 2953  
Johnson, G.C., S. Levitus, J.M. Lyman, C. Schmid, and J.K. Willis (2006): [Ocean heat content variability](#). In Annual Report on The State of the Ocean and the Ocean Observing System for Climate, Annual Report, Fiscal Year 2005, J.M. Levy (ed.), NOAA/Climate Program Office/Office of Climate Observation, 74–84.
- Cont. #: 2964  
Johnson, G.C., J.M. Lyman, and J.K. Willis (2006): [Development of global heat and freshwater anomaly analyses](#). In Annual Report on The State of the Ocean and the Ocean Observing System for Climate, Annual Report, Fiscal Year 2005, J.M. Levy (ed.), NOAA/Climate Program Office/Office of Climate Observation, 258–261.
- Cont. #: 2946  
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.), Bull. Am. Meteorol. Soc., 87(6), S23–S24. <http://journal-intra.pmel.noaa.gov/2006/john2946.pdf>
- Cont. #: 2580  
Kessler, W.S. (2005): [The circulation of the eastern tropical Pacific: A review](#). Prog. Oceanogr., 69, 181–217. <http://journal-intra.pmel.noaa.gov/2006/kess2580.pdf>
- Cont. #: 2876  
Kessler, W.S., and L. Gourdeau (2006): [Wind-driven zonal jets in the South Pacific Ocean](#). Geophys. Res. Lett., 33, L03608, doi: 10.1029/2005GL025084. <http://journal-intra.pmel.noaa.gov/2006/kess2876.pdf>



[intra.pmel.noaa.gov/2006/kess2876.pdf](http://intra.pmel.noaa.gov/2006/kess2876.pdf)

Cont. #: 2897

Kleypas, J.A., R.A. Feely, V.J. Fabry, C. Langdon, C.L. Sabine, and L.L. Robbins (2006): [Impacts of ocean acidification on coral reefs and other marine calcifiers: A guide to future research](#). Report of a workshop held 18–20 April 2005, St. Petersburg, FL, sponsored by NSF, NOAA, and the U.S. Geological Survey, 88 pp. <http://www.pmel.noaa.gov/pubs/PDF/kley2897/kley2897.pdf>

Cont. #: 2653

Ladd, C., G.L. Hunt, Jr., C.W. Mordy, S. Salo, and P. Stabeno (2005): [Marine environment of the eastern and central Aleutian Islands](#). Fish. Oceanogr., 14(Suppl. 1), 22–38. <http://journal-intra.pmel.noaa.gov/2006/ladd2653.pdf>

Cont. #: 2655

Ladd, C., J. Jahncke, G.L. Hunt, Jr., K.O. Coyle, and P.J. Stabeno (2005): [Hydrographic features and seabird foraging in Aleutian Passes](#). Fish. Oceanogr., 14(Suppl. 1), 178–195. <http://journal-intra.pmel.noaa.gov/2006/ladd2655.pdf>

Cont. #: 2781

Lang, S.Q., D.A. Butterfield, M.D. Lilley, H.P. Johnson, and J.I. Hedges (2006): [Dissolved organic carbon in ridge-axis and ridge-flank hydrothermal systems](#). Geochim. Cosmochim. Acta, 70(15), 3830–3842. <http://journal-intra.pmel.noaa.gov/2006/lang2781.pdf>

Cont. #: 2842

Lavelle, J.W. (2006): [Flow, hydrography, turbulent mixing, and dissipation at Fieberling Guyot examined with a primitive equation model](#). J. Geophys. Res., 111(C07014), doi: 10.1029/2005JC003224. <http://journal-intra.pmel.noaa.gov/2006/lave2842.pdf>

Cont. #: 2930

Lawrence-Slavas, N., C. Meinig, and H. Milburn (2006): [KEO mooring engineering analysis](#). NOAA Tech. Memo. OAR PMEL-130, NTIS: PB2006-114273, 30 pp. <http://www.pmel.noaa.gov/pubs/PDF/lawr2930/lawr2930.pdf>

Cont. #: 2973

Ludwig, K., D.S. Kelley, D.A. Butterfield, B.K. Nelson, and G. Früh-Green (2006): [Formation and evolution of carbonate chimneys at the Lost City Hydrothermal Field](#). Geochim. Cosmochim. Acta, 70(14), 3625–3645. <http://journal-intra.pmel.noaa.gov/2006/ludw2973.pdf>

Cont. #: 2843

Lupton, J., D. Butterfield, M. Lilley, L. Evans, K.-I. Nakamura, W. Chadwick, Jr., J. Resing, R. Embley, E. Olson, G. Proskurowski, E. Baker, C. de Ronde, K. Roe, R. Greene, G. Lebon, and C. Young (2006): [Submarine venting of liquid carbon dioxide on](#)

[a Mariana Arc volcano](#). *Geochem. Geophys. Geosyst.*, 7, Q08007, doi: 10.1029/2005GC001152. <http://journal-intra.pmel.noaa.gov/2006/lupt2843.pdf>

Cont. #: 2911

Lyman, J.M., J.K. Willis, and G.C. Johnson (2006): [Recent cooling of the upper ocean](#). *Geophys. Res. Lett.*, 33, L18604, doi: 10.1029/2006GL027033. <http://journal-intra.pmel.noaa.gov/2006/lyma2911.pdf>

Cont. #: 2882

Macklin, S.A., B.A. Megrey, K.-K. Jung, and H.-S. Kang (2006): [Korea and U.S. federate marine metadata collections](#). PICES Press, 14(1), 8–11.

Cont. #: 2915

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. <http://journal-intra.pmel.noaa.gov/2006/maes2915.pdf>

Cont. #: 2778

Martinez, F., B. Taylor, E.T. Baker, J.A. Resing, and S.L. Walker (2006): [Opposing trends in crustal thickness and spreading rate along the back-arc Eastern Lau Spreading Center: Implications for controls on ridge morphology, faulting, and hydrothermal activity](#). *Earth Planet. Sci. Lett.*, 245(3–4), 655–672. <http://journal-intra.pmel.noaa.gov/2006/mart2778.pdf>

Cont. #: 2998

Matsumoto, H., R.P. Dziak, D.K. Mellinger, M. Fowler, A. Lau, C. Meinig, J. Bumgardner, and W. Hannah (2006): [Autonomous hydrophones at NOAA/OSU and a new seafloor sentry system for real-time detection of acoustic events](#). In *Oceans'06 MTS/IEEE-Boston*, Boston, MA, 18–21 September 2006, 4 pp. <http://www.pmel.noaa.gov/pubs/PDF/mats2998/mats2998.pdf>

Cont. #: 2888

McAdoo, B.G., L. Dengler, G. Prasetya, and V.V. Titov (2006): [Smong: How an oral history saved thousands on Indonesia's Simeulue Island during the December 2004 and March 2005 tsunamis](#). *EERI Earthquake Spectra*, 22(S3), S661–S669.

Cont. #: 2955

McPhaden, M.J. (2006): [An Indian Ocean moored buoy array for climate](#). In *Annual Report on The State of the Ocean and the Ocean Observing System for Climate*, Annual Report, Fiscal Year 2005, J.M. Levy (ed.), NOAA/Climate Program Office/Office of Climate Observation, 130–133.

Cont. #: 2840

McPhaden, M.J. (2006): [El Niño and Ocean Observations: A personal history](#). Chapter 6

in Physical Oceanography, Developments Since 1950, M. Jochum and R. Murtugudde (eds.), Springer, New York, 79–99.

Cont. #: 2954

McPhaden, M.J. (2006): [Equatorial Pacific Ocean variability \(El Niño\)](#). In Annual Report on The State of the Ocean and the Ocean Observing System for Climate, Annual Report, Fiscal Year 2005, J.M. Levy (ed.), NOAA/Climate Program Office/Office of Climate Observation, 85–87.

Cont. #: 2956

McPhaden, M.J. (2006): [Pilot Research Moored Array in the Tropical Atlantic](#). In Annual Report on The State of the Ocean and the Ocean Observing System for Climate, Annual Report, Fiscal Year 2005, J.M. Levy (ed.), NOAA/Climate Program Office/Office of Climate Observation, 133–135.

Cont. #: 2950

McPhaden, M.J., X. Zhang, H.H. Hendon, and M.C. Wheeler (2006): [Large scale dynamics and MJO forcing of ENSO variability](#). Geophys. Res. Lett., 33, L16702, doi: 10.1029/2006GL026786. <http://journal-intra.pmel.noaa.gov/2006/mcph2950.pdf>

Cont. #: 2704

Mecking, S., M.J. Warner, and J.L. Bullister (2006): [Temporal changes in pCFC-12 ages and AOU along two hydrographic sections in the eastern subtropical North Pacific](#). Deep-Sea Res. I, 53(1), 169–187. <http://journal-intra.pmel.noaa.gov/2006/meck2704.pdf>

Cont. #: 2890

Megrey, B.A., Y.-W. Lee, and S.A. Macklin (2005): [Comparative analysis of statistical tools to identify recruitment—environment relationships and forecast recruitment strength](#). ICES J. Mar. Sci., 62, 1256–1269. <http://journal-intra.pmel.noaa.gov/2006/megr2890.pdf>

Cont. #: 2957

Molinari, R.L., R. Lumpkin, C. Schmid, and M.J. McPhaden (2006): [NOAA's PIRATA northeast extension](#). In Annual Report on The State of the Ocean and the Ocean Observing System for Climate, Annual Report, Fiscal Year 2005, J.M. Levy (ed.), NOAA/Climate Program Office/Office of Climate Observation, 136–137.

Cont. #: 2972

Moore, C., T. Vance, N. Merati, and S. Mesick (2006): [Geomodeler: Linking GIS and oceanographic models](#). In Proceedings of the ESRI International User Conference, San Diego, CA, 7–11 August 2006, 9 pp. [\[Full Text\]](#)

Cont. #: 2863

Moore, D.W. (2006): [Reflections of an equatorial oceanographer](#). Chapter 7 in Physical Oceanography, Developments Since 1950, M. Jochum and R. Murtugudde (eds.),

Springer, New York, 101–117.

Cont. #: 2864

Moore, S.E., K.M. Stafford, D.K. Mellinger, and J.A. Hildebrand (2006): [Listening for large whales in the offshore waters of Alaska](http://journal-intra.pmel.noaa.gov/2006/moor2864.pdf). *BioScience*, 56(1), 49–55. <http://journal-intra.pmel.noaa.gov/2006/moor2864.pdf>

Cont. #: 2656

Mordy, C.W., P.J. Stabeno, C. Ladd, S. Zeeman, D.P. Wisegarver, S.A. Salo, and G. Hunt, Jr. (2005): [Nutrients and primary production along the eastern Aleutian Island Archipelago](http://journal-intra.pmel.noaa.gov/2006/mord2656.pdf). *Fish. Oceanogr.*, 14(Suppl. 1), 55–76. <http://journal-intra.pmel.noaa.gov/2006/mord2656.pdf>

Cont. #: 2771

Mueter, F.J., C. Ladd, M.C. Palmer, and B.L. Norcross (2006): [Bottom-up and top-down controls of walleye pollock \(\*Theragra chalcogramma\*\) on the Eastern Bering Sea shelf](http://journal-intra.pmel.noaa.gov/2006/muet2771.pdf). *Prog. Oceanogr.*, 68, 152–183. <http://journal-intra.pmel.noaa.gov/2006/muet2771.pdf>

Cont. #: 2905

Murton, B.J., E.T. Baker, C.M. Sands, and C.R. German (2006): [Detection of an unusually large hydrothermal event plume above the slow-spreading Carlsberg Ridge: NW Indian Ocean](http://journal-intra.pmel.noaa.gov/2006/murt2905.pdf). *Geophys. Res. Lett.*, 33, L10608, doi: 10.1029/2006GL026048. <http://journal-intra.pmel.noaa.gov/2006/murt2905.pdf>

Cont. #: 2997

Osgood, K., N. Cyr, T. O'Connor, J. Polovina, D. Schwab, and P. Stabeno (2006): [Ecosystem responses to climate variability](http://www.pmel.noaa.gov/pubs/PDF/osgo2997/osgo2997.pdf). In *Ecosystem science capabilities required to support NOAA's mission in the year 2020*, NOAA Tech. Memo. NMFS-F/SPO-74, 6–14. <http://www.pmel.noaa.gov/pubs/PDF/osgo2997/osgo2997.pdf>

Cont. #: 2861

Overland, J.E. (2006): [Arctic change: Multiple observations and recent explanations](http://journal-intra.pmel.noaa.gov/2006/over2861.pdf). *Weather*, 61(3), 78–83. <http://journal-intra.pmel.noaa.gov/2006/over2861.pdf>

Cont. #: 2708

Overland, J.E., D.B. Percival, and H.O. Mofjeld (2006): [Regime shifts and red noise in the North Pacific](http://journal-intra.pmel.noaa.gov/2006/over2708.pdf). *Deep-Sea Res. Pt. I*, 54(4), 582–588. <http://journal-intra.pmel.noaa.gov/2006/over2708.pdf>

Cont. #: 2844

Overland, J.E., and M. Wang (2005): [The Third Arctic Climate Pattern: 1930s and early 2000s](http://journal-intra.pmel.noaa.gov/2006/over2844.pdf). *Geophys. Res. Lett.*, 32(23), L23808, 10.1029/2005GL024254. <http://journal-intra.pmel.noaa.gov/2006/over2844.pdf>

Cont. #: 2936

Overland, J.E., and K.R. Wood (2006): [Interactive comment on “A guide for digitising manuscript climate data” by S. Brönnimann et al.](#) Climate of the Past Discussions, 2, S74–S75.

Cont. #: 2873

Panteleev, G.G., P.J. Stabeno, V.A. Luchin, D.A. Nechaev, and M. Ikeda (2006): [Summer transport estimates of the Kamchatka current derived as a variational inverse of hydrophysical and surface drifter data.](#) Geophys. Res. Lett., 33, L09609, doi: 10.1029/2005GL024974. <http://journal-intra.pmel.noaa.gov/2006/pant2873.pdf>

Cont. #: 2833

Park, G.-H., K. Lee, R. Wanninkhof, and R.A. Feely (2006): [Empirical temperature-based estimates of variability in the oceanic uptake of CO<sub>2</sub> over the last two decades.](#) J. Geophys. Res., 111(C7), C07S0, doi: 10.1029/2005JC003090. <http://journal-intra.pmel.noaa.gov/2006/park2833.pdf>

Cont. #: 2814

Piatt, J.F., J. Wetzel, K. Bell, A.R. DeGange, G.R. Balogh, G.S. Drew, T. Geernaert, C. Ladd, and G.V. Byrd (2006): [Predictable hotspots and foraging habitat of the endangered short-tailed albatross \(\*Phoebastria albatrus\*\) in the North Pacific: Implications for conservation.](#) Deep-Sea Res. II, 53, 387–398. <http://journal-intra.pmel.noaa.gov/2006/piat2814.pdf>

Cont. #: 2816

Powell, T.M., C.V.W. Lewis, E.N. Curchitser, D.B. Haidvogel, A.J. Hermann, and E.L. Dobbins (2006): [Results from a three-dimensional, nested biological-physical model of the California Current System and comparisons with statistics from satellite imagery.](#) J. Geophys. Res., 111, C07018, doi: 10.1029/2004JC002506. <http://journal-intra.pmel.noaa.gov/2006/powe2816.pdf>

Cont. #: 2839

Quinn, P.K., T.S. Bates, T. Baynard, A.D. Clarke, T.B. Onasch, W. Wang, M.J. Rood, E. Andrews, J. Allan, C.M. Carrico, D. Coffman, and D. Worsnop (2005): [Impact of particulate organic matter on the relative humidity dependence of light scattering: A simplified parameterization.](#) Geophys. Res. Lett., 32(22), L22809, doi: 10.1029/2005GL024322. <http://journal-intra.pmel.noaa.gov/2006/quin2839.pdf>

Cont. #: 2948

Richter-Menge, J., J. Overland, A. Proshutinsky, V. Romanovsky, J.C. Gascard, M. Karcher, J. Maslanik, D. Perovich, A. Shiklomanov, and D. Walker (2006): [The Poles: Arctic.](#) In *State of the Climate in 2005*, K.A. Shein (ed.), Bull. Am. Meteorol. Soc., 87(6), S46–S52. <http://journal-intra.pmel.noaa.gov/2006/rich2948.pdf>

Cont. #: 2909

- Rodionov, S. (2006): [The use of prewhitening in climate regime shift detection](http://journal-intra.pmel.noaa.gov/2006/rodi2909.pdf). Geophys. Res. Lett., 33(12), L12707, doi: 10.1029/2006GL025904. <http://journal-intra.pmel.noaa.gov/2006/rodi2909.pdf>
- Cont. #: 2625  
Rodionov, S.N., J.E. Overland, and N.A. Bond (2005): [Spatial and temporal variability of the Aleutian climate](http://journal-intra.pmel.noaa.gov/2006/rodi2625.pdf). Fish. Oceanogr., 14(Suppl. 1), 3–21. <http://journal-intra.pmel.noaa.gov/2006/rodi2625.pdf>
- Cont. #: 2959  
Roemmich, D.H., R.E. Davis, S.C. Riser, W. Brechner Owens, R.L. Molinari, S.L. Garzoli, and G.C. Johnson (2006): [The Argo Project—Global ocean observations for understanding and prediction of climate variability](#). In Annual Report on The State of the Ocean and the Ocean Observing System for Climate, Annual Report, Fiscal Year 2005, J.M. Levy (ed.), NOAA/Climate Program Office/Office of Climate Observation, 187–191.
- Cont. #: 2963  
Russell, J.L., C. Sweeney, A. Gnanadesikan, R.A. Feely, and R. Wanninkhof (2006): [Optimal network design to detect spatial patterns and variability of ocean carbon sources and sinks from underway surface pCO<sub>2</sub> measurements](#). In Annual Report on The State of the Ocean and the Ocean Observing System for Climate, Annual Report, Fiscal Year 2005, J.M. Levy (ed.), NOAA/Climate Program Office/Office of Climate Observation, 229–231.
- Cont. #: 2762  
Sabine, C.L. (2006): [Global Carbon Cycle](http://www.els.net/). In Encyclopedia of Life Sciences, John Wiley & Sons, Ltd., Chichester, <http://www.els.net/> (doi: 10.1038/npg.els.0003). <http://journal-intra.pmel.noaa.gov/2006/sabi2762.pdf>
- Cont. #: 2962  
Sabine, C.L., F. Chavez, and N. Bates (2006): [High resolution ocean and atmosphere pCO<sub>2</sub> time-series measurements](#). In Annual Report on The State of the Ocean and the Ocean Observing System for Climate, Annual Report, Fiscal Year 2005, J.M. Levy (ed.), NOAA/Climate Program Office/Office of Climate Observation, 222–228.
- Cont. #: 2891  
Sabine, C.L., R.A. Feely, and R. Wanninkhof (2006): [Global Oceans: Ocean carbon](http://journal-intra.pmel.noaa.gov/2006/sabi2891.pdf). In *State of the Climate in 2005*, K.A. Shein (ed.), Bull. Am. Meteorol. Soc., 87(6), S29–S30. <http://journal-intra.pmel.noaa.gov/2006/sabi2891.pdf>
- Cont. #: 2902  
Sabine, C.L., R.A. Feely, and R. Wanninkhof (2006): [The Global Ocean Carbon Cycle: Inventories, sources and sinks](#). In Annual Report on The State of the Ocean and the Ocean Observing System for Climate, Annual Report, Fiscal Year 2005, J.M. Levy (ed.),

NOAA/Climate Program Office/Office of Climate Observation, 97–104.

Cont. #: 2901

Sabine, C.L., and N. Gruber (2006): [Introduction to special section: North Pacific Carbon Cycle Variability and Climate Change](#). J. Geophys. Res., 111(C7), C07S01, doi: 10.1029/2006JC003532. <http://journal-intra.pmel.noaa.gov/2006/sabi2901.pdf>

Cont. #: 2944

Schumacher, J.D., G.H. Kruse, and S.A. Macklin (guest eds.) (2005): [The Aleutian ecosystem: Processes controlling variability in productivity and ecosystem structure](#). Fish. Oceanogr., 14(Suppl. 1), 306 pp.

Cont. #: 2845

Stabeno, P.J., G.L. Hunt, Jr., and S.A. Macklin (2005): [Introduction to processes controlling variability in productivity and ecosystem structure of the Aleutian Archipelago](#). Fish. Oceanogr., 14(Suppl. 1), 1–2. <http://journal-intra.pmel.noaa.gov/2006/stab2845.pdf>

Cont. #: 2529

Stabeno, P.J., G.L. Hunt, Jr., J.M. Napp, and J.D. Schumacher (2006): [Physical forcing of ecosystem dynamics on the Bering Sea Shelf](#). Chapter 30 in The Sea, Vol. 14, A.R. Robinson and K. Brink (eds.), The Global Coastal Ocean: Interdisciplinary Regional Studies and Syntheses, Part B, Harvard University Press, 1177–1212.

Cont. #: 2660

Stabeno, P.J., D.G. Kachel, N.B. Kachel, and M.E. Sullivan (2005): [Observations from moorings in the Aleutian Passes: Temperature, salinity, and transpor](#). Fish. Oceanogr., 14(Suppl. 1), 39–54. <http://journal-intra.pmel.noaa.gov/2006/stab2660.pdf>

Cont. #: 2894

Staudigel, H., S.R. Hart, A. Pile, B.E. Bailey, E.T. Baker, S. Brooke, D.P. Connelly, L. Haucke, C.R. German, I. Hudson, D. Jones, A.A.P. Koppers, J. Konter, R. Lee, T.W. Pietsch, B.M. Tebo, A.S. Templeton, R. Zierenberg, and C.M. Young (2006): [Vailulu'u Seamount, Samoa: Life and death on an active submarine volcano](#). Proc. Nat. Acad. Sci., 103(17), 6448–6453. <http://journal-intra.pmel.noaa.gov/2006/stau2894.pdf>

Cont. #: 2741

Sun, L.C., N.N. Soreide, J.R. Osborne, and J. Sirott (2006): [Integrated in-situ ocean data delivery for low and high bandwidth internet connections](#). In 22nd International Conference on Interactive Information Processing Systems (IIPS) for Meteorology, Oceanography, and Hydrology, AMS, Atlanta, GA, 29 January–2 February 2006, paper 6.7 (on CD).

Cont. #: 2925

Synolakis, C.E., and E.N. Bernard (2006): [Tsunami science before and beyond Boxing](#)

- [Day 2004](#). Phil. Trans. Roy. Soc. Lon. A, 364(1845), doi: 10.1098/rsta.20, 2231–2265.  
<http://journal-intra.pmel.noaa.gov/2006/syno2925.pdf>
- Cont. #: 2832  
Takahashi, T., S.C. Sutherland, R.A. Feely, and R. Wanninkhof (2006): [Decadal change of the surface water pCO<sub>2</sub> in the North Pacific: A synthesis of 35 years of observations](#). J. Geophys. Res., 111(C7), C07S05, doi: 10.1029/2005JC003074. <http://journal-intra.pmel.noaa.gov/2006/taka2832.pdf>
- Cont. #: 2984  
Tang, L., C. Chamberlin, E. Tolkova, M. Spillane, V.V. Titov, E.N. Bernard, and H.O. Mofjeld (2006): [Assessment of potential tsunami impact for Pearl Harbor, Hawaii](#). NOAA Tech. Memo. OAR PMEL-131, NTIS: PB2007-100617, 36 pp.  
<http://www.pmel.noaa.gov/pubs/PDF/tang2984/tang2984.pdf>
- Cont. #: 2971  
Vance, T., N. Merati, R. Doel, and K. Harper (2006): [Mapping NOAA's marine research in the Arctic](#). In Proceedings of the ESRI International User Conference, San Diego, CA, 7–11 August 2006. [\[Full Text\]](#)
- Cont. #: 2830  
Vance, T.C., N. Merati, and C. Moore (2006): [Integration of Java and GIS for visualization and analysis of marine data](#). In The 4th Workshop on Dynamic and Multi-dimensional GIS, ISPRS (International Society for Photogrammetry and Remote Sensing), Pontypridd, Wales, UK, 5–8 September 2005, 162–167.
- Cont. #: 2624  
Vecchi, G.A., and D.E. Harrison (2006): [The termination of the 1997–98 El Niño. Part I: Mechanisms of oceanic change](#). J. Climate, 19(12), 2633–2646. <http://journal-intra.pmel.noaa.gov/2006/vecc2624.pdf>
- Cont. #: 2812  
Venturato, A.J. (2005): [A digital elevation model for Seaside, Oregon: Procedures, data sources, and analyses](#). NOAA Tech. Memo. OAR PMEL-129, NTIS: PB2006-101562, NOAA/Pacific Marine Environmental Laboratory, Seattle, WA, 17 pp.  
<http://www.pmel.noaa.gov/pubs/PDF/vent2812/vent2812.pdf>
- Cont. #: 2617  
Vlietstra, L.S., K.O. Coyle, N.B. Kachel, and G.L. Hunt, Jr. (2005): [Tidal front affects the size of prey used by a top marine predator, the short-tailed shearwater \(\*Puffinus tenuirostris\*\)](#). Fish. Oceanogr., 14(Suppl. 1), 196–211. <http://journal-intra.pmel.noaa.gov/2006/vlie2617.pdf>
- Cont. #: 2793  
Wang, M., J.E. Overland, D. Percival, and H.O. Mofjeld (2006): [Change in the Arctic](#)



[influence on Bering Sea climate during the twentieth century](http://journal-intra.pmel.noaa.gov/2006/wang2793.pdf). Int. J. Climatol., 26(4), 531–539. <http://journal-intra.pmel.noaa.gov/2006/wang2793.pdf>

Cont. #: 2600

Wanninkhof, R., S.C. Doney, E. Peltola, R.D. Castle, F.J. Millero, J.L. Bullister, D.A. Hansell, M.J. Warner, C. Langdon, G.C. Johnson, and C.W. Mordy (2006): [Carbon dioxide, hydrographic, and chemical data obtained during the R/V Ronald H. Brown repeat hydrography cruise in the Atlantic Ocean: CLIVAR CO<sub>2</sub> Section A16S 2005 \(11 January–24 February, 2005\)](#). ORNL/CDIAC-151, NDP-087, A. Kozyr (ed.), Carbon Dioxide Information Analysis Center, Oak Ridge National Laboratory, U.S. Department of Energy, Oak Ridge, TN, 33 pp.

Cont. #: 2961

Wanninkhof, R., R.A. Feely, N.R. Bates, F.J. Millero, T. Takahashi, and S. Cook (2006): [Document ocean carbon sources and sinks—surface water pCO<sub>2</sub> measurements from ships](#). In Annual Report on The State of the Ocean and the Ocean Observing System for Climate, Annual Report, Fiscal Year 2005, J.M. Levy (ed.), NOAA/Climate Program Office/Office of Climate Observation, 207–216.

Cont. #: 3058

Weiss, R., and H. Bahlburg (2006): [The Coast of Kenya Field Survey after the December 2004 Indian Ocean Tsunami](#). Earthq. Spectra, 22(S3), doi: 10.1193/1.2201970, S235–S240. <http://journal-intra.pmel.noaa.gov/2006/weis3058.pdf>

Cont. #: 2866

Winstead, N.S., B. Colle, N. Bond, G. Young, J. Olson, K. Loescher, F. Monaldo, D. Thompson, and W. Pichel (2006): [Barrier jets in the Gulf of Alaska: Combining SAR remote sensing, field observations and models to better understand coastal flows in the Gulf of Alaska](#). Bull. Am. Meteorol. Soc., 87, 787–800. <http://journal-intra.pmel.noaa.gov/2006/wins2866.pdf>

Cont. #: 2710

Wright, A.J., J.C. Goold, S.A. Kuczaj, R. Thames, J.J. Newcomb, D.K. Mellinger, and M. Snyder (2006): [Bathymetry, meteorology, and diurnal patterns in sperm whale behaviour](#). In Proceedings of the 2004 Conference of the European Cetacean Society, 5 pp.

Cont. #: 2849

Zhang, X., and M.J. McPhaden (2006): [Wind stress variations and interannual sea surface temperature anomalies in the eastern equatorial Pacific](#). J. Climate, 19(2), 226–241. <http://journal-intra.pmel.noaa.gov/2006/zhan2849.pdf>