



## FY2009 Journal Articles

Cont. #: 3246

Aguilar-Islas, A.M., R.D. Rember, C.W. Mordy, and J. Wu (2008): **Sea ice-derived dissolved iron and its potential influence on the spring algal bloom in the Bering Sea.** *Geophys. Res. Lett.*, 35, L24601, doi: 10.1029/2008GL035736. [\[PDF Version\]](#)

Cont. #: 3270

Álvarez, M., C. Lo Monaco, T. Tanhua, A. Yool, A. Oschlies, J.L. Bullister, C. Goyet, N. Metzl, F. Touratier, E. McDonagh, and H.L. Bryden (2009): **Estimating the storage of anthropogenic carbon in the subtropical Indian Ocean: A comparison of five different approaches.** *Biogeosciences*, 6(4), doi: 10.5194/bg-6-681-2009, 681–703. [\[PDF Version\]](#)

Cont. #: 3284

Baker, E.T. (2009): **Relationships between hydrothermal activity and axial magma chamber distribution, depth, and melt content.** *Geochem. Geophys. Geosyst.*, 10, Q06009, doi: 10.1029/2009GC002424. [\[PDF Version\]](#)

Cont. #: 3427

Barberopoulou, A., J.C. Borrero, B. Uslu, N. Kalligeris, J.D. Goltz, R.I. Wilson, and C.E. Synolakis (2009): **New maps of California to improve tsunami preparedness.** *Eos Trans. AGU*, 90(16), doi: 10.1029/2009EO160001, 137–144. [\[PDF Version\]](#)

Cont. #: 3315

Baringer, M.O., C.S. Meinen, G.C. Johnson, T.O. Kanzow, S.A. Cunningham, W.E. Johns, L.M. Beal, J.J.-M. Hirschi, D.D. Rayner, H.R. Longworth, H.L. Bryden, and J. Marotzke (2009): **h. The meridional overturning circulation. In State of the Climate in 2008.** *Bull. Am. Meteorol. Soc.*, 90(8), S59–S62. [\[PDF Version\]](#)

Cont. #: 3139

Bates, T., P. Quinn, D. Coffman, K. Schulz, D.S. Covert, J.E. Johnson, E.J. Williams, B.M. Lerner, W.M. Angevine, S. Tucker, W.A. Brewer, and A. Stohl (2008): **Boundary layer aerosol chemistry during TexAQS/GoMACCS 2006: Insights into aerosol sources and transformation processes.** *J. Geophys. Res.*, 113, D00F01, doi: 10.1029/2008JD010023. [\[PDF Version\]](#)

Cont. #: 3321

Bernard, E.N. (2008): **The tsunami-resilient coastal community.** *J. Earthq. Tsunami*, 2(4), doi: 10.1142/S1793431108000359, 279–285. [\[PDF Version\]](#)

Cont. #: 3415

Birdsey, R., N. Bates, M. Behrenfeld, K. Davis, S. Doney, R.A. Feely, D.A. Hansell, L.S. Heath, E. Kasischke, H. Kheshgi, B.E. Law, C. Lee, A.D. McGuire, P. Raymond, and C.J. Tucker (2009): **Carbon cycle observations: Gaps threaten climate mitigation policies.** *Eos Trans. AGU*, 90(34), doi: 10.1029/2009EO340005, 292–293. [\[PDF Version\]](#)

Cont. #: 3074

Bond, N.A., and C.F. Mass (2009): **Development of skill by students enrolled in a weather forecasting laboratory.** *Weather Forecast*, 24, doi: 10.1175/2009WAF222214.1, 1141–1148. [\[PDF Version\]](#)

Cont. #: 3433

Borrero, J.C., R. Weiss, E.A. Okal, R. Hidayat, Suranto, D. Arcas, and V.V. Titov (2009): **The tsunami of 2007 September 12, Bengkulu province, Sumatra, Indonesia: post-tsunami field survey and numerical modelling.** *Geophys. J. Int.*, 178(1), doi: 10.1111/j.1365-246X.2008.04058.x, 180–194. [\[PDF Version\]](#)

Cont. #: 3469

Cappa, D.D., T.S. Bates, P.K. Quinn, and D.A. Lack (2009): **Source characterization from ambient measurements of aerosol optical properties.** *Geophys. Res. Lett.*, 36, L14813, doi: 10.1029/2009GL038979. [\[PDF Version\]](#)

Cont. #: 3221

Chadwick, Jr., W.W., I.C. Wright, U. Schwarz-Schampera, O. Hyvernaud, D. Reymond, and C.E.J. de Ronde (2008): **Cyclic eruptions and sector collapses at Monowai submarine volcano, Kermadec arc: 1998–2007.** *Geochem. Geophys. Geosyst.*, 9, Q10014, doi: 10.1029/2008GC002113. [\[PDF Version\]](#)

Cont. #: 3256

Chassignet, E.P., H.E. Hurlbut, E.J. Metzger, O.M. Smedstad, J.A. Cummings, G.R. Halliwell, R. Bleck, R. Baraille, A.J. Wallcraft, C. Lozano, H.L. Tolman, A. Srinivasan, S. Hankin, P. Cornillon, R. Weisberg, A. Barth, R. He, F. Werner, and J. Wilkin (2009): **U.S. GODAE: Global ocean prediction with the HYbrid Coordinate Ocean Model (HYCOM).** *Oceanography*, 22(2), doi: 10.5670/oceanog.2009.39, 64–75. [\[PDF Version\]](#)

Cont. #: 3339

Chylek, P., C.K. Folland, G. Lesins, M.K. Dubey, and M. Wang (2009): **Arctic air temperature change amplification and the Atlantic Multidecadal Oscillation.** *Geophys. Res. Lett.*, 36, L14801, doi: 10.1029/2009GL038777. [\[PDF Version\]](#)

Cont. #: 3257

Cornillon, P., J. Adams, M.B. Blumenthal, E. Chassignet, E. Davis, S. Hankin, J. Kinter, R. Mendelsohn, J.T. Potemra, A. Srinivasan, and J. Sirott (2009): **NVODS and the development of OPeNDAP.** *Oceanography*, 22(2), doi: 10.5670/oceanog.2009.43, 116–127. [\[PDF Version\]](#)

Cont. #: 3196

Cravatte, S., T. Delcroix, D. Zhang, M. McPhaden, and J. LeLoup (2009): **Observed freshening and warming of the western Pacific warm pool.** *Climate Dynam.*, 33(4), doi: 10.1007/s00382-009-0526-7, 565–589. [\[PDF Version\]](#)

Cont. #: 3209

Cronin, M.F., and W.S. Kessler (2009): **Near-surface shear flow in the tropical Pacific cold tongue front.** *J. Phys. Oceanogr.*, 39(5), doi: 10.1175/2008JPO4064.1, 1200–1215. [\[PDF Version\]](#)

Cont. #: 3431

Dengler, L., B. Uslu, A. Barberopoulou, S.C. Yim, and A. Kelly (2009): **The November 15, 2006 Kuril Islands-generated tsunami in Crescent City, California.** *Pure Appl. Geophys.*, 166(1–2), doi: 10.1007/s00024-008-0429-2, 37–53. [\[PDF Version\]](#)

Cont. #: 3312

Di Lorenzo, E., J. Fiechter, N. Schneider, A. Bracco, A.J. Miller, P.J.S. Franks, S.J. Bograd, A.M. Moore, A.C. Thomas, W. Crawford, A. Peña, and A.J. Hermann (2009): **Nutrient and salinity decadal variations in the central and eastern North Pacific.** *Geophys. Res. Lett.*, 36, L14601, doi: 10.1029/2009GL038261. [\[PDF Version\]](#)

Cont. #: 3329

Dickey, T., N. Bates, R.H. Byrne, G. Chang, F.P. Chavez, R.A. Feely, A.K. Hanson, D.M. Karl, D. Manov, C. Moore, C.L. Sabine, and R. Wanninkhof (2009): **The NOPP O-SCOPE and MOSEAN Projects: Advanced sensing for ocean observing systems.** *Oceanography*, 22(2), doi: 10.5670/oceanog.2009.47, 168–181. [\[PDF Version\]](#)

Cont. #: 3230

Doney, S.C., V.J. Fabry, R.A. Feely, and J.A. Kleypas (2009): **Ocean acidification: The other CO<sub>2</sub> problem.** *Annu. Rev. Mar. Sci.*, 1, doi: 10.1146/annurev.marine.010908.163834, 169–192. [\[PDF Version\]](#)

Cont. #: 3175

Doney, S.C., I. Lima, R.A. Feely, D.M. Glover, K. Lindsey, N. Mahowald, J.K. Moore, and R. Wanninkhof (2009): **Mechanisms governing interannual variability in upper-ocean inorganic carbon system and air-sea CO<sub>2</sub> fluxes: Physical climate and atmospheric dust.** *Deep-Sea Res. II*, 56(8–10), doi: 10.1016/j.dsr2.2008.12.006, 640–655. [\[PDF Version\]](#)

Cont. #: 3271

Doney, S.C., B. Tilbrook, S. Roy, N. Metzl, C. Le Quéré, M. Hood, R.A. Feely, and D. Bakker (2009): **Surface-ocean CO<sub>2</sub> variability and vulnerability.** *Deep-Sea Res. II*, 56(8–10), doi: 10.1016/j.dsr2.2008.12.016, 504–511. [\[PDF Version\]](#)

Cont. #: 3512

Doyle, M.J., S.J. Picquelle, K.L. Mier, M.C. Spillane, and N.A. Bond (2009): **Larval fish abundance and physical forcing in the Gulf of Alaska, 1981–2003.** *Prog. Oceanogr.*, 80(3–4), doi: 10.1016/j.pocean.2009.03.002, 163–187. [\[PDF Version\]](#)

Cont. #: 3264

Dziak, R.P., D.R. Bohnenstiehl, H. Matsumoto, M.J. Fowler, J.H. Haxel, M. Tolstoy, and F. Waldhauser (2009): **January 2006 seafloor-spreading event at 9°50'N, East Pacific Rise: Ridge dike intrusion and transform fault interactions from regional hydroacoustic data.** *Geochem. Geophys. Geosyst.*, 10, Q06T06, doi: 10.1029/2009GC002388. [\[PDF Version\]](#)

Cont. #: 3317

Feely, R.A., and A.G. Dickson (2009): **New evidence for ocean acidification in coastal waters of North America. In State of the Climate in 2008.** *Bull. Am. Meteorol. Soc.*, 90(8), S69. [\[PDF Version\]](#)

Cont. #: 3166

Foltz, G.R., and M.J. McPhaden (2008): **Impact of Saharan dust on tropical North Atlantic SST.** *J. Climate*, 21(19), doi: 10.1175/2008JCLI2232.1, 5048–5060. [\[PDF Version\]](#)

Cont. #: 3236

Foltz, G.R., and M.J. McPhaden (2008): **Trends in Saharan dust and tropical Atlantic climate during 1980–2006.** *Geophys. Res. Lett.*, 35, L20706, doi: 10.1029/2008GL035042. [\[PDF Version\]](#)

Cont. #: 3194

Foltz, G.R., and M.J. McPhaden (2009): **Impact of barrier layer thickness on SST in the central tropical North Atlantic.** *J. Climate*, 22(2), doi: 10.1175/2008JCLI2308.1, 285–299. [\[PDF Version\]](#)

Cont. #: 3311

Fontaine, F.J., W.S.D. Wilcock, D.E. Fouustoukos, and D.A. Butterfield (2009): **A Si-Cl geothermobarometer for the reaction zone of high-temperature, basaltic-hosted mid-ocean ridge hydrothermal systems.** *Geochem. Geophys. Geosyst.*, 10(5), Q05009, doi: 10.1029/2009GC002407. [\[PDF Version\]](#)

Cont. #: 3141

Harrison, D.E., and A.M. Chiodi (2009): **Pre- and post-1997/1998 westerly wind events and equatorial Pacific cold tongue warming.** *J. Climate*, 22(3), doi: 10.1175/2008JCLI2270.1, 568–581. [\[PDF Version\]](#)

Cont. #: 3226

Haymon, R.M., S.M. White, E.T. Baker, P.G. Anderson, K.C. Macdonald, and J.A. Resing (2008): **High-resolution surveys along the hotspot-affected Galápagos Spreading Center: 3. Black smoker discoveries and the implications for geological controls on hydrothermal activity.** *Geochem. Geophys. Geosyst.*, 9, Q12006, doi: 10.1029/2008GC002114. [\[PDF Version\]](#)

Cont. #: 3262

Hickey, B., R. McCabe, S. Geier, E. Dever, and N. Kachel (2009): **Three interacting freshwater plumes in the northern California Current System.** *J. Geophys. Res.*, 114, C00B03, doi: 10.1029/2008JC004907. [\[PDF Version\]](#)

Cont. #: 2197

Hinckley, S., J.M. Napp, A.J. Hermann, and C. Parada (2009): **Simulation of physically mediated variability in prey resources of a larval fish: a three-dimensional NPZ model.** *Fish. Oceanogr.*, 18(4), doi: 10.1111/j.1365-2419.2009.00505.x, 201–223. [\[PDF Version\]](#)

Cont. #: 3422

Hollowed, A.B., N.A. Bond, T.K. Wilderbuer, W.T. Stockhausen, Z.T. A'mar, R.J. Beamish, J.E. Overland, and M.J. Schirripa (2009): **A framework for modelling fish and shellfish responses to future climate change.** *ICES J. Mar. Sci.*, 66, doi: 10.1093/icesjms/fsp057, 1584–1594. [\[PDF Version\]](#)

Cont. #: 3336

Ianson, D., R.A. Feely, C.L. Sabine, and L.W. Juranek (2009): **Features of coastal upwelling regions that determine net air-sea CO<sub>2</sub> flux.** *J. Oceanogr.*, 65(5), doi: 10.1007/s10872-009-0059-z, 677–687. [\[PDF Version\]](#)

Cont. #: 3185

Ishii, M., H.Y. Inoue, T. Midorikawa, S. Saito, T. Tokieda, D. Sasano, A. Nakadate, K. Nemoto, N. Metzl, C.S. Wong, and R.A. Feely (2009): **Spatial variability and decadal trend of the oceanic CO<sub>2</sub> in the western equatorial Pacific warm/fresh water.** *Deep-Sea Res. II*, 56(8–10), doi: 10.1016/j.dsr2.2009.01.002, 591–606. [\[PDF Version\]](#)

Cont. #: 2995

Jiang, C., L. Thompson, K.A. Kelly, and M.F. Cronin (2009): **The roles of intraseasonal Kelvin waves and tropical instability waves in SST variability along the equatorial Pacific in an isopycnal ocean model.** *J. Climate*, 22, doi: 10.1175/2009JCLI2767.1, 3470–3487. [\[PDF Version\]](#)

Cont. #: 3295

Johnson, G.C., and J.M. Lyman (2009): **f. Sea surface salinity. In State of the Climate in 2008.** *Bull. Am. Meteorol. Soc.*, 90(8), S56–S57. [\[PDF Version\]](#)

Cont. #: 3296

Johnson, G.C., J.M. Lyman, J.K. Willis, S. Levitus, T. Boyer, J. Antonov, C. Schmid, and G.J. Goni (2009): **c. Ocean heat content. In State of the Climate in 2008.** *Bull. Am. Meteorol. Soc.*, 90(8), S49–S51. [\[PDF Version\]](#)

Cont. #: 3187

Johnson, G.C., and S.G. Purkey (2009): **Deep Caribbean Sea warming.** *Deep-Sea Res. I*, 56(5), doi: 10.1016/j.dsr.2008.12.011, 827–834. [\[PDF Version\]](#)

Cont. #: 3167

Johnson, G.C., S.G. Purkey, and J.L. Bullister (2008): **Warming and freshening in the abyssal southeastern Indian Ocean.** *J. Climate*, 21, doi: 10.1175/2008JCLI2384.1, 5351–5363. [\[PDF Version\]](#)

Cont. #: 3227

Johnson, G.C., S.G. Purkey, and J.M. Toole (2008): **Reduced Antarctic meridional overturning circulation reaches the North Atlantic Ocean.** *Geophys. Res. Lett.*, 35, L22601, doi: 10.1029/2008GL035619. [\[PDF Version\]](#)

Cont. #: 3462

Kamenkovich, I., W. Cheng, E.S. Sarachik, and D.E. Harrison (2009): **Simulation of the Argo observing system in an ocean general circulation model.** *J. Geophys. Res.*, 114, C09021, doi: 10.1029/2008JC005184. [\[PDF Version\]](#)

Cont. #: 3171

Lack, D.A., C.D. Cappa, D.S. Covert, T. Baynard, P. Massoli, B. Sierau, T.S. Bates, P.K. Quinn, E.R. Lovejoy, and A.R. Ravishankara (2008): **Bias in filter-based aerosol light absorption measurements due to organic aerosol loading: Evidence from ambient measurements.** *Aerosol Sci. Tech.*, 42, doi: 10.1080/02786820802389277, 1033-1041. [\[PDF Version\]](#)

Cont. #: 3254

Lack, D.A., J.J. Corbett, T. Onasch, B. Lerner, P. Massoli, P.K. Quinn, T.S. Bates, D.S. Covert, D. Coffman, B. Sierau, S. Herndon, J. Allan, T. Baynard, E. Lovejoy, A.R. Ravishankara, and E. Williams (2009): **Particulate emissions from commercial shipping: Chemical, physical, and optical properties.** *J. Geophys. Res.*, 114, D00F04, doi: 10.1029/2008JD011300. [\[PDF Version\]](#)

Cont. #: 3275

Ladd, C., and P.J. Stabeno (2009): **Freshwater transport from the Pacific to the Bering Sea through Amukta Pass.** *Geophys. Res. Lett.*, 36, L14608, doi: 10.1029/2009GL039095. [\[PDF Version\]](#)

Cont. #: 2968

Lee, Y.-W., B.A. Megrey, and S.A. Macklin (2009): **Evaluating the performance of Gulf of Alaska walleye pollock (*Theragra chalcogramma*) recruitment forecasting models using a Monte Carlo resampling strategy.** *Can. J. Fish. Aquat. Sci.*, 66(2), doi: 10.1139/F08-203, 367–381. [\[PDF Version\]](#)

Cont. #: 3338

Lupton, J.E., R.J. Arculus, R.R. Greene, L.J. Evans, and C.I. Goddard (2009): **Helium isotope variations in seafloor basalts from the Northwest Lau Backarc Basin: Mapping the influence of the Samoan hotspot.** *Geophys. Res. Lett.*, 36, L17313, doi: 10.1029/2009GL039468. [\[PDF Version\]](#)

Cont. #: 3123

Lyman, J.M., and G.C. Johnson (2008): **Estimating annual global upper-ocean heat content anomalies despite irregular in situ ocean sampling.** *J. Climate*, 21(21), doi: 10.1175/2008JCLI2259.1, 5629–5641. [\[PDF Version\]](#)

Cont. #: 2745

Marcus, J., V. Tunnicliffe, and D.A. Butterfield (2009): **Post-eruption succession of macrofaunal communities at diffuse flow hydrothermal vents on Axial Volcano, Juan de Fuca Ridge, Northeast Pacific.** *Deep-Sea Res. II*, 56(19–20), doi: 10.1016/j.dsr2.2009.05.004, 1586–1598. [\[PDF Version\]](#)

Cont. #: 3190

Martinez, E., A. Ganachaud, J. Lefevre, and K. Maamaatuaiahutapu (2009): **Central South Pacific thermocline water circulation from a high-resolution ocean model validated against satellite data: Seasonal variability and El Niño 1997–1998 influence.** *J. Geophys. Res.*, 114, C05012, doi: 10.1029/2008JC004824. [\[PDF Version\]](#)

Cont. #: 3310

Massoli, P., T.S. Bates, P.K. Quinn, D.A. Lack, T. Baynard, B.M. Lerner, S.C. Tucker, J. Brioude, A. Stohl, and E.J. Williams (2009): **Aerosol optical and hygroscopic properties during TexAQS-GoMACCS 2006 and their impact on aerosol direct radiative forcing.** *J. Geophys. Res.*, 114, D00F07, doi: 10.1029/2008JD011604. [\[PDF Version\]](#)

Cont. #: 3274

McPhaden, M.J., G.R. Foltz, T. Lee, V.S.N. Murty, M. Ravichandran, G.A. Vecchi, J. Vialard, J.D. Wiggert, and L. Yu (2009): **Ocean-atmosphere interactions during Cyclone Nargis.** *Eos Trans. AGU*, 90(7), doi: 10.1029/2009EO070001, 53–55. [\[PDF Version\]](#)

Cont. #: 3199

McPhaden, M.J., G. Meyers, K. Ando, Y. Masumoto, V.S.N. Murty, M. Ravichandran, F. Syamsudin, J. Vialard, L. Yu, and W. Yu (2009): **RAMA: The research moored array for African-Asian-Australian monsoon analysis and prediction.** *Bull. Am. Meteorol. Soc.*, 90(4), doi: 10.1175/2008BAMS2608.1, 459–480. [\[PDF Version\]](#)

Cont. #: 3324

McPhaden, M.J., and X. Zhang (2009): **Asymmetry in zonal phase propagation of ENSO sea surface temperature anomalies.** *Geophys. Res. Lett.*, 36, L13703, doi: 10.1029/2009GL038774. [\[PDF Version\]](#)

Cont. #: 3238

Melchert, B., C.W. Devey, C.R. German, K.S. Lackschewitz, R. Seifert, M. Walter, C. Mertens, D.R. Yoerger, E.T. Baker, H. Paulick, and K. Nakamura (2008): **First evidence for high-temperature off-axis venting of deep crustal/mantle heat: The Nibelungen hydrothermal field, southern Mid-Atlantic Ridge.** *Earth Planet. Sci. Lett.*, 275(1–2), doi: 10.1016/j.epsl.2008.08.010, 61–69. [\[PDF Version\]](#)

Cont. #: 3293

Myhre, G., T. F. Berglen, M. Johnsrud, C. R. Hoyle, T. K. Berntsen, S. A. Christopher, D. W. Fahey, I. S. A. Isaksen, T. A. Jones, R. A. Kahn, N. Loeb, P. Quinn, L. Remer, J. P. Schwarz, and K. E. Yttri (2009): **Modelled radiative forcing of the direct aerosol effect with multi-observation evaluation.** *Atmos. Chem. Phys.*, 9(4), doi: 10.5194/acp-9-1365-2009, 1365–1392. [\[PDF Version\]](#)

Cont. #: 3464

Nagura, M., and M.J. McPhaden (2008): **The dynamics of zonal current variations in the central equatorial Indian Ocean.** *Geophys. Res. Lett.*, 35(23), L23603, doi: 10.1029/2008GL035961. [\[PDF Version\]](#)

Cont. #: 3242

Nedimović, M.R., D.R. Bohnenstiehl, S.M. Carbotte, J.P. Canales, and R.P. Dziak (2009): **Faulting and hydration of the Juan de Fuca plate system.** *Earth Planet. Sci. Lett.*, 284(1–2), doi: 10.1016/j.epsl.2009.04.013, 94–102. [\[PDF Version\]](#)

Cont. #: 3150

Nooner, S.L., and W.W. Chadwick, Jr. (2009): **Volcanic inflation measured in the caldera of Axial Seamount: Implications for magma supply and future eruptions.** *Geochem. Geophys. Geosyst.*, 10(2), Q02002, doi: 10.1029/2008GC002315. [\[PDF Version\]](#)

Cont. #: 3430  
Okal, E.A., C.E. Synolakis, B. Uslu, N. Kalligeris, and E. Voukouvalas (2009): **The 1956 earthquake and tsunami in Amorgos, Greece**. *Geophys. J. Int.*, 178(3), doi: 10.1111/j.1365-246X.2009.04237.x, 1533–1554. [\[PDF Version\]](#)

Cont. #: 3309  
Osthoff, H.D., T.S. Bates, J.E. Johnson, W.C. Kuster, P. Goldan, R. Sommariva, E.J. Williams, B.M. Lerner, C. Warneke, J.A. de Gouw, A. Pettersson, T. Baynard, J.F. Meagher, F.C. Fehsenfeld, A.R. Ravishankara, and S.S. Brown (2009): **Regional variation of dimethyl sulfide oxidation mechanism in the summertime marine boundary layer in the Gulf of Maine**. *J. Geophys. Res.*, 114, D07301, doi: 10.1029/2008JD010990. [\[PDF Version\]](#)

Cont. #: 3331  
Overland, J.E. (2009): **Meteorology of the Beaufort Sea**. *J. Geophys. Res.*, 114, C00A07, doi: 10.1029/2008JC004861. [\[PDF Version\]](#)

Cont. #: 3423  
Overland, J.E., H. Eicken, W. Meier, and H. Wiggins (2009): **International Arctic sea ice monitoring program continues into second summer**. *Eos Trans. AGU*, 90(37), doi: 10.1029/2009EO370006, 321–322. [\[PDF Version\]](#)

Cont. #: 3436  
Overland, J.E., M. Wang, and J. Walsh (2009): **b. Atmosphere. In State of the Climate in 2008, 5. The Arctic**. *Bull. Am. Meteorol. Soc.*, 90(8), S97–S99. [\[PDF Version\]](#)

Cont. #: 3308  
Parrish, D.D., D.T. Allen, T.S. Bates, M. Estes, F.C. Fehsenfeld, G. Feingold, R. Ferrare, R.M. Hardesty, J.F. Meagher, J.W. Nielsen-Gammon, R.B. Pierce, T.B. Ryerson, J.H. Seinfeld, and E.J. Williams (2009): **Overview of the Second Texas Air Quality Study (TexAQS II) and the Gulf of Mexico Atmospheric Composition and Climate Study (GoMACCS)**. *J. Geophys. Res.*, 114, D00F13, doi: 10.1029/2009JD011842. [\[PDF Version\]](#)

Cont. #: 3200  
Perez, R.C., and W.S. Kessler (2009): **Three-dimensional structure of tropical cells in the central equatorial Pacific Ocean**. *J. Phys. Oceanogr.*, 39(1), doi: 10.1175/2008JPO4029.1, 27–49. [\[PDF Version\]](#)

Cont. #: 3133  
Pickart, R.S., G.W.K. Moore, A.M. Macdonald, I.A. Renfrew, J.E. Walsh, and W.S. Kessler (2009): **Seasonal evolution of Aleutian low-pressure systems: Implications for North Pacific sub-polar circulation**. *J. Phys. Oceanogr.*, 39, doi: 10.1175/2008JPO3891.1, 1317–1339. [\[PDF Version\]](#)

Cont. #: 3115  
Pierrot, D., C. Neill, K. Sullivan, R. Castle, R. Wanninkhof, H. Lüger, T. Johannessen, A. Olsen, R.A. Feely, and C.E. Cosca (2009): **Recommendations for autonomous underway pCO<sub>2</sub> measuring systems and data-reduction routines**. *Deep-Sea Res. II*, 56(8–10), doi: 10.1016/j.dsr2.2008.12.005, 512–522. [\[PDF Version\]](#)

Cont. #: 3195  
Qiu, B., S. Chen, and W.S. Kessler (2009): **Source of the 70-day mesoscale eddy variability in the Coral Sea and the North Fiji Basin**. *J. Phys. Oceanogr.*, 39(2), doi: 10.1175/2008JPO3988.1, 404–420. [\[PDF Version\]](#)

Cont. #: 3297

Quay, P.D., J. Stutsman, R.A. Feely, and L.W. Juranek (2009): **Net community production rates across the subtropical and equatorial Pacific Ocean estimated from air-sea  $\delta^{13}\text{C}$  disequilibrium.** *Global Biogeochem. Cycles*, 23, GB2006, doi: 10.1029/2008GB003193. [\[PDF Version\]](#)

Cont. #: 3186

Resing, J.A., E.T. Baker, J.E. Lupton, S.L. Walker, D.A. Butterfield, G.J. Massoth, and K.-I. Nakamura (2009): **Chemistry of hydrothermal plumes above submarine volcanoes of the Mariana Arc.** *Geochem. Geophys. Geosyst.*, 10(2), Q02009, doi: 10.1029/2008GC002141. [\[PDF Version\]](#)

Cont. #: 3244

Roemmich, D., G.C. Johnson, S. Riser, R. Davis, J. Gilson, W.B. Owens, S.L. Garzoli, C. Schmid, and M. Ignaszewski (2009): **The Argo Program: Observing the global oceans with profiling floats.** *Oceanography*, 22(2), doi: 10.5670/oceanog.2009.36, 34–43. [\[PDF Version\]](#)

Cont. #: 3307

Russell, L.M., S. Takahama, S. Liu, L.N. Hawkins, D.S. Covert, P.K. Quinn, and T.S. Bates (2009): **Oxygenated fraction and mass of organic aerosol from direct emission and atmospheric processing measured on the R/V *Ronald Brown* during TexAQS/GoMACCS 2006.** *J. Geophys. Res.*, 114, D00F05, doi: 10.1029/2008JD011275. [\[PDF Version\]](#)

Cont. #: 3316

Sabine, C.L., R.A. Feely, R. Wanninkhof, and T. Takahashi (2009): **j. The global ocean carbon cycle. In State of the Climate in 2008, 3. Global Oceans.** *Bull. Am. Meteorol. Soc.*, 90(8), S65–S68. [\[PDF Version\]](#)

Cont. #: 3278

Scholes, R.J., P.M.S. Monteiro, C.L. Sabine, and J.G. Canadell (2009): **Systematic long-term observations of the global carbon cycle.** *Trends Ecol. Evol.*, 24(8), doi: 10.1016/j.tree.2009.03.006, 427–430. [\[PDF Version\]](#)

Cont. #: 3305

Smirnov, A., B.N. Holben, I. Slutsker, D.M. Giles, C.R. McClain, T.F. Eck, S.M. Sakerin, A. Macke, P. Croot, G. Zibordi, P.K. Quinn, J. Sciare, S. Kinne, M. Harvey, T.J. Smyth, S. Piketh, T. Zielinski, A. Proshutinsky, J.I. Goes, N.B. Nelson, P. Larouch, V.F. Radionov, P. Goloub, K. Krishna Moorthy, R. Matarrese, E.J. Robertson, and F. Jourdin (2009): **Maritime aerosol network as a component of aerosol robotic network.** *J. Geophys. Res.*, 114, D06204, doi: 10.1029/2008JD011257. [\[PDF Version\]](#)

Cont. #: 3572

Sommariva, R., H.D. Osthoff, S.S. Brown, T.S. Bates, T. Baynard, D. Coffman, J.A. de Gouw, P.D. Goldan, W.C. Kuster, B.M. Lerner, H. Stark, C. Warneke, E.J. Williams, F.C. Fehsenfeld, A.R. Ravishankara, and M. Trainer (2009): **Radicals in the marine boundary layer during NEAQS 2004: A model study of day-time and night-time sources and sinks.** *Atmos. Chem. Phys.*, 9, doi: 10.5194/acp-9-3075-2009, 3075–3093. [\[PDF Version\]](#)

Cont. #: 3155

Sonnerup, R.E., J.L. Bullister, and M.J. Warner (2008): **Improved estimates of ventilation rate changes and CO<sub>2</sub> uptake in the Pacific Ocean using chlorofluorocarbons and sulfur hexafluoride.** *J. Geophys. Res.*, 113, C12007, doi: 10.1029/2008JC004864. [\[PDF Version\]](#)

Cont. #: 2459

Stabeno, P.J., C. Ladd, and R.K. Reed (2009): **Observations of the Aleutian North Slope Current, Bering Sea, 1996–2001.** *J. Geophys. Res.*, 114, C05015, doi: 10.1029/2007JC004705. [\[PDF Version\]](#)

Cont. #: 3138

Steinfeldt, R., M. Rhein, J.L. Bullister, and T. Tanhua (2009): **Inventory changes in anthropogenic carbon from 1997–2003 in the Atlantic Ocean between 20°S and 65°N.** *Global Biogeochem. Cycles*, 23, GB3010, doi: 10.1029/2008GB003311. [\[PDF Version\]](#)

Cont. #: 3235

Synolakis, C.E., E.N. Bernard, V.V. Titov, U. Kânoğlu, and F.I. González (2008): **Validation and verification of tsunami numerical models.** *Pure Appl. Geophys.*, 165(11–12), doi: 10.1007/s00024-004-0427-y, 2197–2228. [\[PDF Version\]](#)

Cont. #: 3054

Takahashi, T., S.C. Sutherland, R. Wanninkhof, C. Sweeney, R.A. Feely, D.W. Chipman, B. Hales, G. Friederich, F. Chavez, C. Sabine, A. Watson, D.C.E. Bakker, U. Schuster, N. Metzl, H. Yoshikawa-Inoue, M. Ishii, T. Midorikawa, Y. Nojiri, A. Körtzinger, T. Steinhoff, M. Hopema, J. Olafsson, T.S. Arnarson, B. Tilbrook, T. Johannessen, A. Olsen, R. Bellerby, C.S. Wong, B. Delille, N.R. Bates, and H.J.W. de Baar (2009): **Climatological mean and decadal change in surface ocean pCO<sub>2</sub>, and net sea-air CO<sub>2</sub> flux over the global oceans.** *Deep-Sea Res. II*, 56(8–10), doi: 10.1016/j.dsr2.2008.12.009, 554–577. [\[PDF Version\]](#)

Cont. #: 3217

Tang, L., V.V. Titov, Y. Wei, H.O. Mofield, M. Spillane, D. Arcas, E.N. Bernard, C. Chamberlin, E. Gica, and J. Newman (2008): **Tsunami forecast analysis for the May 2006 Tonga tsunami.** *J. Geophys. Res.*, 113, C12015, doi: 10.1029/2008JC004922. [\[PDF Version\]](#)

Cont. #: 3306

Thornberry, T., D.M. Murphy, D. Thomson, J. deGouw, C. Warneke, T.S. Bates, P.K. Quinn, and D. Coffman (2009): **Measurement of aerosol organic compounds using a novel collection/thermal-desorption PTR-ITMS instrument.** *Aerosol Sci. Tech.*, 43, doi: 10.1080/02786820902763132, 486–501. [\[PDF Version\]](#)

Cont. #: 3149

Tolkova, E. (2009): **Principal component analysis of tsunami buoy record: Tide prediction and removal.** *Dynam. Atmos. Ocean*, 46(1–4), doi: 10.1016/j.dynatmoce.2008.03.001, 62–82. [\[PDF Version\]](#)

Cont. #: 3286

Tunnicliffe, V., K.T.A. Davies, D.A. Butterfield, R.W. Embley, J.M. Rose, and W.W. Chadwick, Jr. (2009): **Survival of mussels in extremely acidic waters on a submarine volcano.** *Nature Geosci.*, 2, doi: 10.1038/ngeo500, 344–348. [\[PDF Version\]](#)

Cont. #: 3429

Turner, J., and J.E. Overland (2009): **Contrasting climate change in the two polar regions.** *Polar Res.*, 28(2), doi: 10.1111/j.1751-8369.2009.00128.x, 146–164. [\[PDF Version\]](#)

Cont. #: 3179

Vialard, J., J.P. Duvel, M. McPhaden, P. Bouruet-Aubertot, B. Ward, E. Key, D. Bourras, R. Weller, P. Minnett, A. Weill, C. Cassou, L. Eymard, T. Fristedt, C. Basdevant, Y. Dandonneau, O. Duteil, T. Izumo, C. de Boyer Montégut, S. Masson, F. Marsac, C. Menkes, and S. Kennan (2009): **Cirene: Air-sea interactions in the Seychelles-Chagos thermocline ridge region.** *Bull. Am. Meteorol. Soc.*, 90(1), doi: 10.1175/2008BAMS2499.1, 45–61. [\[PDF Version\]](#)

Cont. #: 3198

Vialard, J., G. Foltz, M.J. McPhaden, J.P. Duvel, and C. de Boyer Montégut (2008): **Strong Indian Ocean sea surface temperature signals associated with the Madden-Julian Oscillation in late 2007 and early 2008.** *Geophys. Res. Lett.*, 35, L19608, doi: 10.1029/2008GL035238. [\[PDF Version\]](#)

Cont. #: 3193

Vigouroux, N., G. Williams-Jones, W. Chadwick, D. Geist, A. Ruiz, and D. Johnson (2008): **4D gravity changes associated with the 2005 eruption of Sierra Negra volcano, Galápagos.** *Geophysics*, 73(6), doi: 10.1190/1.2987399, WA29–WA35. [\[PDF Version\]](#)

Cont. #: 3261

Wang, M., and J.E. Overland (2009): **A sea ice free summer Arctic within 30 years?** *Geophys. Res. Lett.*, 36, L07502, doi: 10.1029/2009GL037820. [\[PDF Version\]](#)

Cont. #: 3158

Williams, D.N., R. Ananthakrishnan, D.E. Bernholdt, S. Bharathi, D. Brown, M. Chen, A.L. Chervenak, L. Cinquini, R. Drach, I.T. Foster, P. Fox, D. Fraser, J. Garcia, S. Hankin, P. Jones, D.E. Middleton, J. Schwidder, R. Schweitzer, R. Schuler, A. Shoshani, F. Siebenlist, A. Sim, W.G. Strand, M. Su, and N. Wilhelmi (2009): **The Earth system grid: Enabling access to multi-model climate simulation data.** *Bull. Am. Meteorol. Soc.*, 49(2), doi: 10.1175/2008BAMS2459.1, 195–205. [\[PDF Version\]](#)

Cont. #: 3097

Willis, J.K., J.M. Lyman, G.C. Johnson, and J. Gilson (2009): **In situ data biases and recent ocean heat content variability.** *J. Atmos. Oceanic Technol.*, 26(4), doi: 10.1175/2008JTECH0608.1, 846–852. [\[PDF Version\]](#)

Cont. #: 3120

Yoneyama, K., Y. Masumoto, Y. Kuroda, M. Katsumata, K. Mizuno, Y.N. Takayabu, M. Yoshizaki, A. Shareef, Y. Fujiyoshi, M.J. McPhaden, V.S.N. Murty, R. Shirooka, K. Yasunaga, H. Yamada, N. Sato, T. Ushiyama, Q. Moteki, A. Seiki, M. Fujita, K. Ando, H. Hase, I. Ueki, T. Horii, C. Yokoyama, and T. Miyakawa (2008): **MISMO field experiment in the Equatorial Indian Ocean.** *Bull. Am. Meteorol. Soc.*, 89(12), doi: 10.1175/2008BAMS2519.1, 1889–1903. [\[PDF Version\]](#)

Cont. #: 3086

Zhang, X., and M.J. McPhaden (2008): **Eastern Equatorial Pacific forcing of ENSO sea surface temperature anomalies.** *J. Climate*, 21(22), doi: 10.1175/2008JCLI2422.1, 6070–6079. [\[PDF Version\]](#)

**97 records**