

Ships of opportunity



Research Projects

BlueLink II/III - ocean forecasting for Australia: Bluelink Global Program, Centre for Australian Weather and Climate Research, Bureau of Meteorology, Helen Beggs, Gary Brassington, David Griffin, Peter Oke, Eric Schulz, 2003-2013

WAMSI Node 2: Leeuwin Current dynamics and variability, Commonwealth Scientific Industrial Research Organisation, University of Western Australia, Ming Feng, Dirk Slawinski, Liejun Zhong, 2006-2011

GHRSSST Tropical Warm Pool Diurnal Variability Project, Centre for Australian Weather and Climate Research, Bureau of Meteorology, Helen Beggs, Leon Majewski, Pierre LeBorgne, Gary Wick, Sandra Castro, Carol Ann Clayson, Chelle Gentemann, Rachel Weihs, Peter Steinle, Paul Sandery, Vaughan Barass, Chris Tingwell, Matthew Martin, Partner Institution(s): NOAA, CSIRO, University of Colorado, Meteo-France, Met Office, Florida State University, Remote Sensing Systems, University of Edinburgh, Funding: BLUElink, Bureau of Meteorology

Plankton dynamics in Moreton Bay, University of Queensland, Griffith University, Anthony Richardson, Funding: ARC

Coastal CO₂ data from Southern Surveyor used for determining the uptake of CO₂ and acidification in Australia's regional seas and the South Pacific, Commonwealth Scientific Industrial Research Organisation, Bronte Tilbrook, Mareva Kuchinke, Richard Matear, Andrew Lenton, 2009-2011, Partner Institution(s): Ausaid, DCCEE

Micronekton, Commonwealth Scientific Industrial Research Organisation, Rudy Kloster, 2009-2015, Funding: CSIRO

CO₂ Program, University of Tasmania, Tom Trull, Partner Institution(s): UTAS, CSIRO, AAD, Funding: ACECRC

Net community production in the Australian sector of the Southern Ocean, Nicolas Cassar, 2010-2014, Partner Institution(s): CSIRO, Princeton University, Duke University

NWP marine flux validation in the Australian region, Bureau of Meteorology, Eric Schulz, 2010-2012

Ocean Carbon and Acidification, Commonwealth Scientific Industrial Research Organisation, Bronte Tilbrook, 2010-2011, Partner Institution(s): DCCEE

Demography and interannual variability of salp swarms, University of New South Wales, Natasha Henschke, Jason Everett, M Doblin, Kylie Pitt, Anthony Richardson, Iain Suthers, 2011-2014, Funding: Commonwealth Government

Ocean carbon and acidification, Bronte Tilbrook, Andrew Lenton, Partner Institution(s): AIMS, UQ, USyd, UNSW, UWA, NOAA(USA) NIES(Japan), IPSL(France), Funding: Australian Climate Change Science Program (ACCSP), CSIRO

Coral Sea Connections, Australian Institute of Marine Science, A McKinnon, 2011-2014, Partner Institution(s): AIMS, CSIRO, Funding: Australian Institute of Marine Science

Southern Ocean Carbon Cycle, Bronte Tilbrook, 2011-2012, Partner Institution(s): AAD, UTAS, Funding: Australian Antarctic Division, CSIRO

WAMSI Node 2: Ningaloo, Australian Institute of Marine Science, University of Western Australia, Richard Brinkman, Partner Institution(s): AIMS, Funding: Australian Institute of Marine Science, Western Australian Marine Science Institution

Scientific Support for Managing Australia's Marine Biodiversity - a National Marine Biodiversity Hub, University of Tasmania, Nicholas Bax, Chris Austin, Russ Babcock, Neville Barrett, Mark Bravington, Brendan Brooke, Julian Michael Caley, Piers Dunstan, Karen Edyvane, Peter Harris, Sarah Jennings, Gary Kendrick, Tim O'Hara, Sean Pascoe, Bob Pressey, Wendy Proctor, Tony Smith, Chris Wilcox, 2011-2015, Partner Institution(s): AIMS, CDU, CSIRO, GA, Museum Victoria, JCU, UTas, UWA, Funding: National Environmental Research Program (NERP)

A laser optical plankton counter (L-OPC) for laboratory or in situ size distributions of zooplankton: Ecological dynamics of a changing East Australian Current, University of New South Wales, Iain Suthers, Anthony Richardson, M Doblin, Funding: ARC LIEF

Understanding climate drivers and predicting the future for coastal Australian ecosystems, University of Tasmania, Peter Strutton, Jayson Semmens, Caleb Gardner, Gary Griffith, 2011-2013, Partner Institution(s): UWA, JCU, Funding: ANNIMS

Surface Ocean CO2 Atlas (SOCAT), D Bakker, Partner Institution(s): UEA, NOAA, CSIRO, plus 47 others

Calibration of the clumped-isotope technique in marine biogenic carbonates, and its eventual application to paleothermometry and paleo-oceanography, University of California, Aradhna Tripathi

Future Reef MAP, Bronte Tilbrook, 2012-2015, Funding: Rio Tinto Alcan, Great Barrier Reef Foundation, CSIRO

The IMOS Plankton Ecosystem Assessment Report, Commonwealth Scientific Industrial Research Organisation, Anthony Richardson, 2012-2013, Funding: CSIRO

Resilience of Moreton Bay to climate change: Links between nutrient inputs and plankton dynamics, Commonwealth Scientific Industrial Research Organisation, Anthony Richardson, 2012-2013, Partner Institution(s): Griffith University, Healthy Waterways Partnership, Queensland EPA, Funding: ARC Linkage Project

Long-term changes in Vibrio bacteria, Luigi Vezzulli, 2012-2013, Funding: CSIRO

Zooplankton Atlas of Australia, University of Tasmania, Kerrie Swadling, 2012-2012, Funding: University of Tasmania, Integrated Marine Observing System (IMOS), CSIRO

Phytoplankton Atlas of Australia, University of Tasmania, Gustaaf Hallegraeff, 2012-2015, Funding: University of Tasmania, Integrated Marine Observing System (IMOS), CSIRO

The krill pump: Transferring carbon across a layered ocean in a changing, University of New South Wales, Iain Suthers, Funding: ARC Discovery Project

High-latitude validation of OAFflux, Bureau of Meteorology, Woods Hole Oceanographic Institute, Eric Schulz, Lisan Yu

Ocean carbon and acidification in Australian regional seas and the Southern Ocean, Commonwealth Scientific Industrial Research Organisation, Bureau of Meteorology, Bronte Tilbrook, Andrew Lenton, Partner Institution(s): CSIRO, BOM, Funding: Australian Climate Change Science Program (ACCSP)

BLUElink III - OceanMAPS v2.1 validation, BOM Queensland Regional Office, Helen Beggs, 2012-2012, Funding: Royal Australian Navy

Plankton dynamics down the Australian East coast, University of Tasmania, G Griffiths, 2012-2013

Coastal carbon collaboration cluster, Commonwealth Scientific Industrial Research Organisation, Andy Steven, 2012-2015, Partner Institution(s): CSIRO, UTS, UWA, SCU, JCU, UNSW

High Seas acoustic and biological sampling, Commonwealth Scientific Industrial Research Organisation, Rudy Kloser, 2012-2015, Funding: CSIRO, Sealords NZ

Sustainable ecological observing, Commonwealth Scientific Industrial Research Organisation, Keith Hayes, D Smith, Peter Thompson, Russ Babcock, Anthony Richardson, W Rochester, 2012-2013, Funding: CSIRO

Biological Oceanography, University of Western Australia, Australian Institute of Marine Science, Commonwealth Scientific Industrial Research Organisation, Miles Furnas, A McKinnon, Anya Waite, Jim Greenwood, 2012-2015, Partner Institution(s): AIMS, UWA, CSIRO, Funding: Western Australian Marine Science Institution, Australian Institute of Marine Science, CSIRO

Validating the upgrade of Bureau NWP from APS0 to APS1, Bureau of Meteorology, National Oceanography Centre, Eric Schulz, Simon Josey

Southern Ocean Network of Acoustics (SONA), British Antarctic Survey, Sophie Fielding, 2013-2016, Funding: Natural Environment Research Council (UK)

Climate-driven windblown dust and flood runoff can increase marine fungal diseases by fungal pathogens, University of Tasmania, Gustaaf Hallegraef, Anthony Richardson, Funding: ARC Discovery Project

Global spread of Vibrios with climate change, University of Genoa, Luigi Vezzulli, 2013-2014

Near real-time modelling of Bass Strait for EPA Victoria, John Andrewartha, 2013-2014

Alkalinity of Australian waters, Nick Hardman-Mountford, Jim Greenwood, 2014-2015, Funding: CSIRO

The Great Australian Bight Research Program, Project 2.2 Characterise variation in offshore/slope microbial, plankton and micronekton communities in the Great Australian Bight, South Australian Research and Development Institute, Commonwealth Scientific Industrial Research Organisation, Rudy Kloser, Paul van Ruth, Mark Doubell, Anthony Richardson, 2014-2017, Partner Institution(s): CSIRO, SARDI, Funding: BP, CSIRO, South Australian Research and Development Institute

Australian National Shelf Reanalysis, Emlyn Jones, Moninya Roughan, Tim Moltmann, Andreas Schiller, Peter May, 2014-2014, Funding: Integrated Marine Observing System (IMOS)

CAPRICORN: Clouds, Aerosols, Precipitation, Radiation and atmospheric Composition Over the Southern Ocean (Ship component of SOCRATES), Bureau of Meteorology, Alain Protat, 2015-2018, Partner Institution(s): Schofield (Melb UNI), Franklin (CSIRO), Keyword (CSIRO), Siems (MONASH), Alexander (AAD)

Southern Ocean Carbon Cycle Postdoctoral Fellow, University of Tasmania, Paula Conde-Pardo, 2015-2018, Funding: ACECRC

Freshening events and hypersaline conditions in the Central Great Barrier Reef, Australian Institute of Marine Science, Jessica Benthuisen

Patterns of interaction between habitat and oceanographic variables affecting the connectivity and productivity of invertebrate fisheries, Deakin University, University of Melbourne, Latrobe University, Fisheries Victoria, Daniel Ierodiaconou, Eric Trembl, Steve Swearer, Nick Murphy, Mary Young, Adam Miller, Jan Strugnell, Harry Gorfine, Craig Sherman, Bridget Green, 2015-2017, Funding: Fisheries Research and Development Corporation

Linking phytoplankton to fisheries using zooplankton size spectra, University of New South Wales, Iain Suthers, Laura Richardson, Mark Baird, Sagulenko Evgeny, 2015-2018, Partner Institution(s): ARC Discovery Project, Funding: University of New South Wales, ARC Discovery Project

Using NFLUX to force an Indonesian area ocean model with validation of its SST forecasts using IMOS Ship SST and fluxes, Naval Research Lab, University of New Orleans, Charlie Barron, Jackie May, Silvia Gremes-Cordero, C Rowley

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Postgraduate Research Projects

Doctor of Philosophy (PhD), Wind forced changes and variability in the East Australia Current, University of Tasmania, Commonwealth Scientific Industrial Research Organisation; Katy Hill, 2005-2009, Supervisor(s): Steve Rintoul, Ken Ridgway, Richard Coleman

Doctor of Philosophy (PhD), Variability of Sub-Antarctic mode water and Antarctic intermediate water in the Australian sector of the Southern Ocean, University of Tasmania; Laura Herraiz-Borreguero, 2005-2010, Supervisor(s): Richard Coleman, Steve Rintoul

Doctor of Philosophy (PhD), Coccolithophores evolution and calcification patterns of the late Quaternary in the Southern Ocean, University of Tasmania; Joana Cubillos, Supervisor(s): William Howard, Gustaaf Hallegraeff

Doctor of Philosophy (PhD), Photosynthetic performance and productivity of phytoplankton in the Southern Ocean, University of Tasmania; Wee Cheah, 2009-2012, Supervisor(s): Andrew McMinn, Klaus Meiners

Doctor of Philosophy (PhD), Zooplankton community dynamics: biomass, abundance, assemblages and grazing in a sub-tropical bay, University of Queensland; Sarah Pausina, 2009-2015, Supervisor(s): Hugh Possingham, Anthony Richardson, Dave McKinnon; Partner Institution(s): Healthy Waterways; Funding: ARC Linkage Project

Masters degree, Assimilating in situ bioacoustic data in a mid-trophic level model, École Nationale Supérieure de Techniques Avancées; Anna Conchon, 2010-2011, Supervisor(s): Patrick Lehodey, I Senina; Partner Institution(s): CLS

Doctor of Philosophy (PhD), Krill abundance in the Western Tasman Sea, University of New South Wales; Ben Harris, 2010-2014, Supervisor(s): Iain Suthers, Matt Taylor, Jason Everett, Jock Young; Partner Institution(s): CSIRO; Funding: ARC Discovery Project, CSIRO, Great Barrier Reef Foundation

Honours degree, Zooplankton in the Tasman Sea, University of Tasmania; Briony Hutton, 2011-2012, Supervisor(s): Kerrie Swadling, Rudy Kloser; Partner Institution(s): IMAS, CSIRO

Doctor of Philosophy (PhD), Acidification and carbonate chemistry of shelf waters in the Australian Antarctic Territory, University of Tasmania; Nick Roden, 2011-2014, Supervisor(s): Tom Trull, Bronte Tilbrook, E Shadwick, Patti Virtue; Funding: APRA, European Organisation for the Exploitation of Meteorological Satellites (EUMETSAT), CSIRO

Doctor of Philosophy (PhD), Using bio-physical modelling to understand sea turtle population connectivity and plastic pollution hazards, University of Western Australia; J Reisser, 2011-2014, Supervisor(s): Charitha Pattiaratchi, Michelle Thums, Chris Wilcox

Degree - Other, Third year IMAS/UTAS research project - Distribution of *Emiliana huxleyi* calcification morphotypes in the Southern Ocean, 2006-2007, University of Tasmania; Isobel Thomas, Supervisor(s): Gustaaf Hallegraeff

Honours degree, Seasonal and latitudinal changes in the zooplankton community composition along the East Australia Current: The AusCPR survey, Institute of Marine and Antarctic Studies; Kate Picone, 2012-2012, Supervisor(s): Kerrie Swadling, Anthony Richardson; Funding: University of Tasmania

Doctor of Philosophy (PhD), Zoogeography and ecology of Euphausiids (krill) in the Indian Ocean, Murdoch University; Alicia Sutton, 2012-2015, Supervisor(s): Lynnath Beckley; Partner Institution(s): Murdoch University; Funding: Australian Postgraduate Award

Degree - Other, Third year IMAS/UTAS research project - Variations in morphology and distribution of the coccolithophorid *Emiliana huxleyi* in the Australian sector of the Southern Ocean, 2012/2013, University of Tasmania; Lisa Harding, Supervisor(s): Gustaaf Hallegraeff

Honours degree, Understanding effects of climate change on Australian phytoplankton communities, University of Queensland; Alex Coughlan, Supervisor(s): Anthony Richardson, Scarla Weeks, Gustaaf Hallegraeff; Partner Institution(s): University of Tasmania

Doctor of Philosophy (PhD), Using fisheries hydroacoustics to evaluate and predict abundance of mid-trophic level organisms for global ecosystem pattern analysis and modelling, University of Auckland; Pablo Escobar Flores, 2013-2016, Supervisor(s): Richard O'Driscoll, J Montgomery; Funding: NIWA - National Institute of Water and Atmospheric Research

Honours degree, Drivers of Eastern Australia zooplankton community composition: emphasis on the distribution patterns at Maria Island, University of Tasmania; Paige Kelly, 2013-2014, Supervisor(s): L Clementson, Kerrie Swadling

Doctor of Philosophy (PhD), Micronekton dynamics in Southern Indian Ocean, University of Cape Town; Nolwenn Behagle, 2014-2017, Supervisor(s): Louis du Buisson, Erwan Josse, Anne Lebourges-Dhaussy; Funding: Institute of Research and Development France, IOCCP - International Ocean Carbon Coordination Project

Doctor of Philosophy (PhD), Biogeography of the Coral and Tasman Sea micronekton based on IMOS bioacoustic data, University of Tasmania; Ryan Downie, Supervisor(s): Rudy Kloster, Alastair Hobday, Simon Wotherspoon; Funding: CSIRO

Honours degree, Mining spatio-temporal dataset to identify environmental phenomena on the Great Barrier Reef, James Cook University; Rachael Russo, 2014-2014, Supervisor(s): Yvette Everingham, Lyndon Llewellyn

Doctor of Philosophy (PhD), Southern Ocean micronekton, University of Tasmania; Roland Proud, 2014-2017, Supervisor(s): Martin Cox, Simon Wotherspoon, Andrew Brierly; Funding: Australian Antarctic Division

Honours degree, Upper ocean heat content estimates: exploring the impact of XBT corrections, University of Tasmania; Frances Pitt, Supervisor(s): Catia Domingues, Didier Monselesan, Rebecca Cowley

Postgraduate Research Projects 22

Book

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Book Chapters

Gutt, J, Hosie, G, Stoddart, M 2010, Marine Life in the Antarctic, in A McIntyre (eds.), Life in the World's Oceans: Diversity, Distribution, and Abundance, Wiley-Blackwell, pp.203-220

Rhein, M, Rintoul, S, Aoki, S, Campos, E, Chambers, D, Feely, RA, Gulev, S, Johnson, G, Josey, SA, Kostianoy, AG, Mauritzen, C, Roemmich, D, Talley, LD, Wang, F 2013, Observations: Ocean, in TF Stocker, D Qin, G-K Plattner, MMB Tignor, S Allen, J Boschung, A Nauels, Y Xia, V Bex, PM Midgley (eds.), Climate Change 2013: The Physical Science Basis: Working Group I contribution to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change, Cambridge University Press, pp.255-315

Book Chapters 2

Community White Papers / Technical Papers

Smith, S, Rettig, J, Rolph, J, Hu, J, Kent, E, Schulz, E, Verein, R, Rutz, S, Paver, C; 2010, The Data Management System for the Shipboard Automated Meteorological and Oceanographic System (SAMOS) Initiative, Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society (Vol. 2), Venice, Italy, 21-25 September 2009, doi:10.5270/OceanObs09.cwp.83

Smith, S, Bourdalle-Baude, R, Bradley, E, Cosca, C, Fairall, C, Goni, GJ, Gunn, J, Hood, M, Jackson, D, Kent, E, Lagerloef, G, McGillivray, P, Petit de la Villeon, L, Pinker, R, Schulz, E, Sprintall, J, Stammer, D, Weill, A, Wick, G, Yelland, M; 2010, Automated Underway Oceanic and Atmospheric Measurements from Ships, Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society (Vol. 1), Venice, Italy, 21-25 September 2009, doi:10.5270/OceanObs09.cwp.82

Palmer, MD, Antonov, J, Barker, PM, Bindoff, N, Boyer, T, Carson, M, Domingues, CM, Gille, ST, Gleckler, P, Good, S, Gouretski, V, Guinehut, S, Haines, K, Harrison, DE, Ishii, M, Johnson, G, Levitus, S, Loizer, S, Lyman, J, Meijers, AJ, von Shuckmann, K, Smith, D, Wijffels, S, Willis, J; 2010, Future Observations for Monitoring Global Ocean Heat Content, Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society (Vol. 2), Venice, Italy, 21-25 September 2009, doi:10.5270/OceanObs09.cwp.68

Handegard, NO, Demer, D, Kloser, R, Lehodey, P, Maury, O, Simard, Y; 2010, Toward a Global Ocean Ecosystem Mid-Trophic Automatic Acoustic Sampler (MAAS), Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society, doi:10.5270/OceanObs09.cwp.40

Ganachaud, AS, Bowie, AR, Brassington, GB, Cai, W, Cravette, S, Davis, R, Gourdeau, L, Hasegawa, T, Hill, K, Holbrook, N, Kessler, W, Maes, C, Melet, A, Qiu, B, Ridgway, K, Roemmich, D, Schiller, A, Send, U, Sloyan, B, Sprintall, J, Steinberg, C, Sutton, P, Verron, J, Widlansky, M, Wiles, P; 2013, Advances from the Southwest Pacific Ocean circulation and climate experiment, CLIVAR Exchanges Newsletter No 61, Vol 18, 16-23

Tilbrook, B, Matear, R, Antoine, D, Bowie, AR, Brown, MV, Byrne, M, Hardman-Mountford, NJ, Howard, WR, Lenton, A, et, al.; 2015, Ocean biogeochemistry (inc. carbon cycle, ocean acidification, marine chemistry), Comments: Community white paper for National Marine Science Plan

Community White Papers/Technical Papers 6

Conference Proceedings

Send, U, et, al. 2010, Observing Ocean Boundary Currents, Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society (Vol. 2), Venice, Italy, 21-25 September 2009, Venice, Presenter: Uwe Send

Kloser, R, McCauley, R 2011, Sustained ecosystem monitoring using passive and active acoustics, Proceedings of IUGG 2011, Melbourne, Australia, Melbourne, Presenter: Rudy Kloser

Beggs, H, Majewski, L, Paltoglou, G, Verein, R, Zhong, A 2011, Report to GHRSS12 from Australia – BLUElink and IMOS, Proceedings of the 12th GHRSS Science Team Meeting, Edinburgh, 27 June - 1 July 2011, Edinburgh, Presenter: Helen Beggs

Lee, R, Mancini, S, Martinez, G, Lindsay, MCM 2011, Resolving environmental dynamics in Port Phillip Bay, using high repeat sampling off the Spirit of Tasmania 1, Proceedings of Coasts and Ports 2011: 20th Australasian Coastal and Ocean Engineering Conference and the 13th Australasian Port and Harbour Conference, Perth, Presenter: Randall Lee

Beggs, H, Sandery, PA, Barass, V, Steinle, P 2011, Australian Bureau of Meteorology SST Requirements for NWP and Atmosphere-Ocean Coupled Models, Proceedings of the 12th GHRSS Science Team Meeting, Edinburgh, 27 June - 1 July 2011, Edinburgh, Presenter: Helen Beggs

Beggs, H, Majewski, L, Kruger, G, Verein, R, Oke, PR, Sakov, P, Tingwell, C, Barass, V, Sandery, PA, Griffin, C 2012, Report to GHRSS13 from Australia - BLUElink and IMOS, Proceedings of the 13th GHRSS Science Team Meeting, Tokyo

Beggs, H, Griffin, C, Majewski, L, Govekar, P, Sisson, J 2016, Report from the Australian RDAC to GHRSS-XVII, Proceedings of the GHRSS XVII Science Team Meeting, Washington DC, Presenter: Helen Beggs

Conference Proceedings 7

In Press

Nelson, AD, et, al. 2017, An Ensemble Observing System Simulation Experiment of Global Ocean Heat Content Variability, Ocean Science, doi:10.5194/os-2016-105

In Press 1

Journals

Alory, G, Wijffels, S, Meyers, G 2007, Observed trends in the Indian Ocean over 1960-1999 and associated mechanisms, Geophysical Research Letters, vol. 34, L02606, doi:10.1029/2007GL028044

Greenwood, J, Feng, M, Waite, A 2007, A one-dimensional simulation of biological production in two contrasting mesoscale eddies in the south eastern Indian Ocean , Deep Sea Research Part II, vol. 54, pp. 1029-1044, doi:10.1016/j.dsr2.2006.10.004

Wijffels, S, Willis, J, Domingues, CM, Barker, PM, White, N, Gronell, A, Ridgway, K, Church, JA 2008, Changing expendable bathythermograph fall rates and their impact on estimates of thermosteric sea level rise, Journal of Climate, vol. 21, no. 21, pp. 5657-5672, doi:10.1175/2008JCLI2290.1

Wijffels, S, Meyers, G, Godfrey, S 2008, A 20-Yr average of the Indonesian throughflow: regional currents and the interbasin exchange, Journal of Physical Oceanography, vol. 38, no. 9, pp. 1965-1978

Wainwright, L, Meyers, G, Wijffels, S, Pigot, LP 2008, Change in the Indonesian throughflow with the climatic shift of 1976/77, Geophysical Research Letters, vol. 35, L03604, doi:10.1029/2007GL031911

Morrow, R, Valladeau, G, Sallee, J-B 2008, Subsurface signature of Southern Ocean sea level rise, Progress in Oceanography, vol. 77, no. 4, pp. 351-366, doi:10.1016/j.pocean.2007.03.002

Gronell, A, Wijffels, S 2008, A semiautomated approach for quality controlling large historical ocean temperature archives, Journal of Atmospheric and Oceanic Technology, vol. 25, no. 6, pp. 990-1003, doi:10.1175/JTECHO539.1

Domingues, CM, Church, JA, White, N, Gleckler, P, Wijffels, S, Barker, PM, Dunn, JR 2008, Improved estimates of upper-ocean warming and multi-decadal sea-level rise, Nature, vol. 453, no. 7198, pp. 1090-1096, doi:10.1038/nature07080

Ridgway, K, Coleman, R, Bailey, RJ, Sutton, P 2008, Decadal variability of East Australian Current transport inferred from repeated hi-density XBT transects, a CTD survey and satellite altimetry, *Journal of Geophysical Research - Oceans*, vol. 113, C08039, doi:10.1029/2007JC004664

Sallee, J-B, Morrow, R, Speer, K 2008, Southern Ocean fronts and their variability to climate modes, *Journal of Climate*, vol. 21, no. 12, pp. 3020-3039

Maynard, J, Turner, P, Anthony, KR, Baird, A, Berkelmans, R, Eakin, CM, Johnson, J, Marshall, P, Packer, G, Rea, A, Willis, B 2008, An interactive monitoring system for coral bleaching using high-resolution SST and improved stress predictors, *Geophysical Research Letters*, vol. 35, doi:10.1029/2007GL032175

Kloser, R, Ryan, T, Young, J, Lewis, M 2009, Acoustic observations of micronekton fish on the scale of an ocean basin: potential and challenges, *ICES Journal of Marine Science*, vol. 66, no. 6, pp. 998-1006, doi:10.1093/icesjms/fsp07

Demer, D, Kloser, R, MacLennan, D, Ona, E 2009, An introduction to the proceedings and a synthesis of the 2008 ICES symposium on the Ecosystem Approach with Fisheries Acoustics and Complementary Technologies (SEAFACETS), *ICES Journal of Marine Science*, vol. 66, pp. 961-965

Takahashi, KT, Hosie, G, Kitchener, JA, McLeod, DJ, Odate, T, Fukuchi, M 2010, Comparison of zooplankton distribution patterns between four seasons in the Indian Ocean sector of the Southern Ocean, *Polar Science*, vol. 4, no. 2, pp. 317-331, doi:10.1016/J.pdar.2010.05.00L

Edwards, M, Beaugrand, G, Hays, GC, Koslow, JA, Richardson, A 2010, Multi-decadal oceanic ecological datasets and their application in marine policy and management, *Trends in Ecology and Evolution*, vol. 25, no. 10, pp. 602-610, doi:10.1016/j.tree.2010.07.007.

Pinkerton, M, Smith, A, Raymond, B, Hosie, G, Sharp, B, Leathwick, J, Bradford-Grieve, J 2010, Spatial and seasonal distribution of adult *Oithona similis* in the Southern Ocean: predictions using boosted regression trees, *Deep Sea Research Part I*, vol. 57, no. 4, pp. 469-485, doi:10.1016/J.dsr2009.12.010

McLeod, DJ, Hosie, G, Kitchener, JA, Takahashi, KT, Hunt, BPV 2010, Zooplankton atlas of the Southern Ocean: The SCAR SO-CPR Survey (1991-2008), *Polar Science*, vol. 4, no. 2, pp. 353-385, doi:10.1016/j.polar.2010.03.004

Ridgway, K, Dunn, JR 2010, Satellite altimetry to correct mean temperature and salinity fields derived from Argo floats in the ocean regions around Australia, *Deep Sea Research Part II*, vol. 57, no. 9, pp. 1137-1151, doi:10.1016/j.dsr.2010.05.010.

Bowie, AR, Trull, T, Dehairs, F 2011, Estimating the sensitivity of the Subantarctic Zone to environmental change, *Deep Sea Research Part II*, vol. 58, pp. 2051-2058, doi: 10.1016/j.dsr2.2011.05.034

Roughan, M, MacDonald, HS, Baird, ME, Glasby, TM 2011, Modelling seasonal and interannual variability in a western boundary current and its impact on coastal connectivity, *Deep Sea Research Part II*, vol. 58, no. 5, pp. 628-644, doi:10.1016/J.dsr2.2010.06.009

Feng, M, Boning, CW, Biastoch, A, Behrens, E, Weller, E, Masumoto, Y 2011, The reversal of the multi-decadal trends of the equatorial Pacific easterly winds, and the Indonesian throughflow and Leeuwin Current transports, *Geophysical Research Letters*, vol. 38, no. 11, doi:10.1029/2011GL047291

Coleman, M, Roughan, M, MacDonald, HS, Connell, SD, Gillanders, B, Kelaher, BP, Steinberg, C 2011, Variation in the strength of continental boundary currents determines continent-wide connectivity in kelp, *Journal of Ecology*, vol. 99, no. 4, pp. 1026-1032, doi:10.1111/j.1365-2745.2011.01822.x

Neuheimer, AB, Thresher, RE, Lyle, J, Semmens, J 2011, Tolerance limit for fish growth exceeded by warming waters, *Nature Climate Change*, vol. 1, pp. 110-113, doi:10.1038/nclimate1084

Smith, T, Brown, CJ, Bulman, C, Fulton, EA, Johnson, P, Kaplan, IC, Lozano-Montes, H, Mackinson, S, Marzloff, M, Shannon, LJ, Shin, Y, Tam, J 2011, Impacts of fishing low-trophic level species on marine ecosystems, *Science*, vol. 333, no. 6046, pp. 1147-1150, doi:10.1126/science.1209395

Baird, ME, Suthers, I, Griffin, DA, Hollings, B, Pattiaratchi, C, Everett, JD, Roughan, M, Oubelkheir, K, Doblin, MA 2011, The effect of surface flooding on the physical-biogeochemical dynamics of a warm-core eddy off southeast Australia, *Deep Sea Research Part II*, vol. 58, pp. 592-605, doi:10.1016/j.dsr2.2010.10.002

Roughan, M, MacDonald, HS, Baird, ME, Glasby, TM 2011, Modelling coastal connectivity in a western boundary current: seasonal and inter-annual variability, *Deep Sea Research Part II*, vol. 58, pp. 628-644, doi:10.1016/j.dsr2.2010.06.004

Allain, V, Nicol, S, Polovina, J, Coll, M, Olson, R, Griffiths, S, Dambacher, J, Young, J, Molina, J, Hoyle, S, Lawson, T 2011, International workshop on opportunities for ecosystem approaches to fisheries management in the Pacific Ocean tuna fisheries, *Reviews in Fish Biology and Fisheries*, vol. 22, no. 1, pp. 29-33, doi:10.1007/s11160-011-9220-z

Johnson, G, Wijffels, S 2011, Ocean density change contributions to sea level rise, *Oceanography*, vol. 24, no. 2, pp. 112-121, doi:10.5670/oceanog.2011.31

Weller, E, Holliday, D, Feng, M, Beckley, L, Thompson, P 2011, A continental shelf scale examination of the Leeuwin Current off Western Australia during the austral autumn-winter, *Continental Shelf Research*, vol. 31, pp. 1858-1868, doi:10.1016/j.csr.2011.08.008

Pearce, A, Slawinski, D, Feng, M, Hutchins, B, Fearn, PRCS 2011, Modelling the potential transport of tropical fish larvae in the Leeuwin Current, *Continental Shelf Research*, vol. 31, pp. 2018-2040, doi:10.1016/j.csr.2011.10.006

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Benthuyesen, J; Oceanic processes across tropical Australia; thermosalinograph results highlighted; Institute of Oceanology, Chinese Academy of Sciences, 04/11/2016 - 04/11/2016, Qingdao, Presenter(s): Jessica Benthuyesen

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Shadwick, E; Carbon Uptake in Polar Continental Shelf Regions; Land-Ocean Interactions in the Coastal Zone (LOICZ) Open Science Conference, 08/09/2011 - 15/09/2011, Yantai, Presenter(s): E Shadwick

Shadwick, E; Carbon cycling in the Mertz Polynya; IMAS Seminar Series, 01/01/2012 - 31/12/2012, Institute of Marine and Antarctic Studies, Hobart, Presenter(s): Steve Rintoul, E Shadwick, Bronte Tilbrook

Coman, F, Bonham, P, Davies, C, Hosie, G, Lynch, T, McLaughlin, J, McLeod, DJ, Thompson, P, Tonks, M, Strzelecki, J, Slotwinski, A, Richardson, A; The plankton observing system in IMOS; CMAR Science Symposium - Science, Impacts, Possibilities, 20/03/2012 - 22/03/2012, Hobart

Schiller, A, Ridgway, K; The Circulation of Southwest Pacific Ocean; 10th International Conference on Southern Hemisphere Meteorology and Oceanography (ICSHMO) - Changing Southern Climates, 23/04/2012 - 27/04/2012, Noumea

Davies, C, Coman, F, Hallegraeff, GM, Hosie, G, McKinnon, D, McLaughlin, J, McLeod, DJ, Slotwinski, A, Strzelecki, J, Swadling, K, Thompson, KR, Tonks, M, Richardson, A; We need YOU: Plankton researchers united; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): Claire Davies

Tilbrook, B; CO2 Observing systems in the Southern Ocean; Surface Ocean CO2 Atlas (SOCAT) Progress Meeting, 03/07/2012 - 04/07/2012, Tsukuba, Presenter(s): Bronte Tilbrook

Furnas, M; Large and small-scale variability of Great Barrier Reef upwelling; 12th International Coral Reef Symposium (ICRS), 09/07/2012 - 13/07/2012, Cairns, Presenter(s): Miles Furnas

Tilbrook, B; Australian monitoring efforts on GBR; Coral Reef Acidification Monitoring Portfolio Workshop, 28/08/2012 - 29/08/2012, Fort Lauderdale, Presenter(s): Bronte Tilbrook

Tilbrook, B; The Carbonate Chemistry of the Great Barrier Reef; 3rd International Conference on the Oceans in a High CO2 World, 24/09/2012 - 28/09/2012, Monterey, Presenter(s): Bronte Tilbrook

Kloser, R, Sutton, C, Ryan, T, Keith, G, Downie, R; Towards an understanding of the distribution, biomass and energetics of mid-trophic organisms in the open ocean; CLIOTOP Second Symposium, 11/02/2013 - 15/02/2013, Noumea, Presenter(s): Rudy Kloser

Tilbrook, B; Ocean Carbon and Acidification; 2nd Joint Commission Steering Committee Meeting on Science and Technology, 14/03/2013 - 15/03/2013, Hobart, Presenter(s): Bronte Tilbrook

Shadwick, E, Cassar, N, Tilbrook, B, Trull, T; Influence of net community production and physical processes on surface oxygen and carbon distribution along a north-south section across the Australian sector of the Southern Ocean; 45th International Liege Colloquium on Ocean Dynamics, 13/05/2013 - 17/05/2013, Liege, Presenter(s): E Shadwick

Tilbrook, B; Carbon and acidification research in the Southern Ocean; SOOS Asian Workshop Data Management Sub-Committee Meeting, 23/05/2013 - 24/05/2013, Shanghai, Presenter(s): Bronte Tilbrook

Tilbrook, B; Theme 4 Workplan: Ocean Carbon; SOOS Asian Workshop Data Management Sub-Committee Meeting, 23/05/2013 - 24/05/2013, Shanghai, Presenter(s): Bronte Tilbrook

Bakker, DCE, Hankin, S, Olsen, A; An Update to the Surface Ocean CO2; 9th International Carbon Dioxide Conference, 03/06/2013 - 07/06/2013, Beijing, Presenter(s): D Bakker

Henschke, N, Everett, JD, Doblin, MA, Pitt, K, Richardson, A, Suthers, I; Demographic characteristics of salp swarms (*Thalia democratica*) and their interannual variability; 4th International Jellyfish Bloom Symposium, 05/06/2013 - 07/06/2013, Hiroshima, Presenter(s): Natasha Henschke

Beggs, H, Majewski, L, Griffin, C, Verein, R, Tingwell, C, Sakov, P, Garde, L; Report to GHRST14 from Australia - BLUElink and IMOS; 14th GHRST Science Team Meeting, 17/06/2013 - 21/06/2013, Woods Hole, Presenter(s): Helen Beggs

Coman, F, Richardson, A, Hosie, G, Davies, C, Forcey, K, McLaughlin, J, McLeod, DJ, Miller, M, Murphy, N, Slotwinski, A, Strzelecki, J, Tonks, M, Rochester, W; Plankton in the Integrated Marine Observing System: how can you use the data?; Australian Marine Science Association Conference, 07/07/2013 - 11/07/2013, Gold Coast, Presenter(s): Frank Coman

Doblin, MA, Steinberg, C; Micro's for Macro's: new perspectives on microbially-mediated marine processes; Australian Marine Science Association Conference, 07/07/2013 - 11/07/2013, Gold Coast, Presenter(s): M Doblin

Kloser, R, Keith, G, Sutton, C, Ryan, T, Downie, R; A decade of Tasman Sea bio-acoustics; Australian Marine Science Association Conference, 07/07/2013 - 11/07/2013, Gold Coast, Presenter(s): Rudy Kloser

Richardson, A, Rochester, W, Hosie, G; Plankton 2013: an assessment of Australia's oceans using plankton as ecosystem indicators; Australian Marine Science Association Conference, 07/07/2013 - 11/07/2013, Gold Coast, Presenter(s): Anthony Richardson

Swadling, K, Slotwinski, A, Davies, C, Beard, J, McKinnon, D, Coman, F, Murphy, N, Tonks, M, Rochester, W, Hosie, G, Richardson, A; Australian marine zooplankton: a taxonomic guide and atlas; Australian Marine Science Association Conference, 07/07/2013 - 11/07/2013, Gold Coast, Presenter(s): Kerrie Swadling

Bakker, DCE, Hankin, S, Olsen, A, Pfeil, B, et, al.; An update to the Surface Ocean CO2 Atlas (SOCAT version 2); Global Ocean Acidification Observing Network, 24/07/2013 - 26/07/2013, St. Andrews, Presenter(s): D Bakker

Tilbrook, B, Lenton, A, Law, RM, Bakker, DCE, Doney, S, Gruber, N, Hoppema, M, Ishii, M, Lovenduski, N, Matear, R, Metzl, N, et, al.; Sea-air fluxes in the Southern Ocean: 1990-2009; Greenhouse 2013, 05/10/2013 - 11/10/2013, Adelaide, Presenter(s): Bronte Tilbrook

Beggs, H; Group for high resolution sea surface temperature (GHR SST) - activities in Asia and Oceania; 4th Asia Oceania Meteorological Satellite User's Conference, 09/10/2013 - 11/10/2013, Melbourne, Presenter(s): Helen Beggs

Brieva, D; Upwelling off shore Fraser Island; Australian Meteorological and Oceanographic Society (AMOS) Conference, 12/02/2014 - 14/02/2014, Hobart, Presenter(s): Daniel Brieva

Oke, PR; Towards a dynamically balanced eddy-resolving ocean reanalysis: BRAN3; Australian Meteorological and Oceanographic Society (AMOS) Conference, 12/02/2014 - 14/02/2014, Hobart, Presenter(s): Peter Oke

Robertson, R; Coastally trapped waves on the southern and eastern coasts of Australia; Australian Meteorological and Oceanographic Society (AMOS) Conference, 12/02/2014 - 14/02/2014, Hobart, Presenter(s): Robin Robertson

Schaeffer, A; Can we quantify the transport and frequency of bottom water uplift driven by the East Australian Current?; Australian Meteorological and Oceanographic Society (AMOS) Conference, 12/02/2014 - 14/02/2014, Hobart, Presenter(s): Amandine Schaeffer

Shadwick, E, Tilbrook, B, Cassar, N, Trull, T, Rintoul, S; Summertime physical and biological controls on O2 and CO2 in the Australian sector of the Southern Ocean; Australian Meteorological and Oceanographic Society (AMOS) Conference, 12/02/2014 - 14/02/2014, Hobart, Presenter(s): E Shadwick

Shadwick, E, Tilbrook, B, Williams, G, Rintoul, S; Biological modification of carbonate chemistry in dense water outflows from the Mertz Polynya, East Antarctica; Ocean Sciences Meeting, 23/02/2014 - 28/02/2014, Honolulu, Presenter(s): E Shadwick

Sloyan, B, Wijffels, S, Tilbrook, B, Katsumata, K, Murata, A; Deep ocean changes at the western boundary of the South Pacific Ocean; Ocean Sciences Meeting, 23/02/2014 - 28/02/2014, Honolulu, Presenter(s): Bernadette Sloyan

Tilbrook, B, Nojiri, Y, Neill, C, Veness, T; Seawater carbonate chemistry and ocean acidification on the Great Barrier Reef; Ocean Sciences Meeting, 23/02/2014 - 28/02/2014, Honolulu, Presenter(s): Bronte Tilbrook

Tilbrook, B; Surface Ocean CO2 Atlas Workshop 10; IMBER Future Oceans Science Conference, 23/06/2014 - 28/06/2014, Bergen, Presenter(s): Bronte Tilbrook

Feng, M; Future project: the east Indian Ocean upwelling research initiative, a joint collaboration between China, Japan, the US and Australia, 2015-2020; Australian Marine Science Association Conference, 07/07/2014 - 11/07/2014, Canberra, Presenter(s): Ming Feng

Bakker, DCE, Pfeil, B, Smith, K, Olsen, A, Alin, SR, Cosca, C, Hankin, S, Harasawa, S, Jones, SD, Kozyr, A, Nojiri, Y, O'Brien, K, Schuster, U, Telszewski, M, Tilbrook, B, Wanninkhof, R; The Surface Ocean CO2 Atlas (SOCAT) enables detection of changes in the ocean carbon sink; Integrated Carbon Observing System (ICOS), 22/09/2014 - 23/09/2014, Brussels, Presenter(s): D Bakker

Tilbrook, B, Jewett, L, Williamson, P, Newton, J, Isensee, K; Global ocean acidification observing network; Blue Planet Symposium, 27/05/2015 - 29/05/2015, Cairns, Presenter(s): Bronte Tilbrook

Tilbrook, B, Steven, A, Neill, C, Baird, ME, Mongin, M; Ocean acidification and the carbonate chemistry of the Great Barrier Reef; Blue Planet Symposium, 27/05/2015 - 29/05/2015, Cairns, Presenter(s): Bronte Tilbrook

Jennings, S, Beckley, L; Oceanographic synopsis of the Southern Bluefin Tuna spawning ground in the Eastern Indian Ocean; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Shona Jennings

Lee, R, Baird, ME, Andrewartha, J, Mancini, S; Transforming environmental protection with integrated model observing systems; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Randall Lee

Richardson, A, Rochester, W, Eriksen, R; Plankton 2015: as assessment of Australia's oceans using plankton as ecosystem indicators; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Anthony Richardson

Uribe-Palomino, J, Davies, C, Coman, F, et, al.; Composition and distribution of tintinnids in Australian marine waters; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Julian Uribe-Palomino

Roughan, M, Jones, EM, Oke, PR, Moltmann, T, May, P, Schiller, A; A National Shelf Re-analysis (ANSR) project for Australia; Australian Forum for Operational Oceanography, 21/07/2015 - 23/07/2015, Fremantle, Presenter(s): Moninya Roughan

Tilbrook, B; Southern Ocean carbon and ocean acidification; Greenhouse, 27/10/2015 - 30/10/2015, Hobart, Presenter(s): Bronte Tilbrook

Tilbrook, B; Global Ocean Acidification Monitoring; 2nd Session of the Executive Council of the Global Ocean Acidification Observing Network, 19/11/2015 - 20/11/2015, Monaco, Presenter(s): Bronte Tilbrook

Benthuisen, J, Tonin, H, Herzfeld, M; Freshening events and hypersaline conditions in the Central Great Barrier Reef; Australian Meteorological and Oceanographic Society (AMOS) Conference, 08/02/2016 - 11/02/2016, Melbourne, Presenter(s): Jessica Benthuisen

Protat, A, Schulz, E, Sun, Z, Xiao, Y, Keywood, M; Southern Ocean cloud — radiation interactions and their representation in the Australian regional forecast model as revealed by RV Investigator observations; Australian Meteorological and Oceanographic Society (AMOS) Conference, 08/02/2016 - 11/02/2016, Melbourne, Presenter(s): Alain Protat

Beggs, H, Zhou, X, Ignatov, A, Xu, F; Bureau of Meteorology's IMOS Ship SST Data QC System - comparison with other ship SST QC; QC Summit, 07/03/2016 - 11/06/2016, Hobart, Presenter(s): Helen Beggs

Mongin, M, Baird, ME, Tilbrook, B, Matear, R, Lenton, A, Herzfeld, M, Wild-Allen, K, Skerratt, J, Margvelashvili, N, Robson, B, Duarte, CM, Gustafsson, M, Ralph, P, Steven, A; The exposure of the Great Barrier Reef to ocean acidification; 4th Oceans in a high CO₂ World Symposium, 03/05/2016 - 06/05/2016, Hobart, Presenter(s): Mathieu Mongin

Steinberg, C, Benthuisen, J, Herzfeld, M, Tonin, H, et, al.; Responding to the 2016 mass coral bleaching event on the Great Barrier Reef: from observations to modelling; NZMSS and AMSA Sharing Ocean Resources - Now and in the future, 04/07/2016 - 07/07/2016, Wellington, Presenter(s): Craig Steinberg

Lara-Lopez, A; Australia's Integrated Marine Observing System (IMOS): helping to understand ocean acidification; 9th Annual NZOA Workshop, 08/07/2016 - 08/07/2016, Wellington, Presenter(s): Ana Lara-Lopez

Kloser, R; Using fishing vessels for basin-scale ecological monitoring using bio-acoustics and the continuous plankton recorder; Australian Society for Fish Biology (ASFB) and Oceania Chondrichthyan Society (OCS) 2016, 04/09/2016 - 07/09/2016, Hobart, Presenter(s): Rudy Kloser

Steinberg, C; Physical oceanographic influences on tropical reef and continental shelf fish from IMOS observations; Australian Society for Fish Biology (ASFB) and Oceania Chondrichthyan Society (OCS) 2016, 04/09/2016 - 07/09/2016, Hobart, Presenter(s): Craig Steinberg

Conference Poster

Ridgway, K; Dynamics of the Southwest Pacific Ocean and the South Pacific Convergence Zone (SPCZ); American Geophysical Union (AGU) Fall Meeting, 10/12/2007 - 14/12/2007, San Fransisco, Presenter(s): Ken Ridgway

Beggs, H, Verein, R, Kippo, H, Underwood, M, Barton, I, Steinberg, C, Schulz, E, Hibbins, R, Gorman, J, Thomas, A, Ball, G, Cowen, L, Lee, R; Enhancing ship of opportunity sea surface temperature observations in the Australian region; 9th International Conference on Southern Hemisphere Meteorology and Oceanography (ICSHMO), 09/02/2009 - 13/02/2009, Melbourne

Majewski, L; New and Enhanced Satellite Sea Surface Temperature Products Over the Australian Region; 9th International Conference on Southern Hemisphere Meteorology and Oceanography (ICSHMO), 09/02/2009 - 13/02/2009, Melbourne, Presenter(s): Leon Majewski

Beggs, H, Verein, R, Kippo, H, Underwood, M, Barton, I, Steinberg, C, Schulz, E, Hibbins, R, Thomas, A, Ball, G; Enhancing Ship of Opportunity Sea Surface Temperature Observations in the Australian Region; GHRSSST 2009 International Users Symposium, 29/05/2009 - 30/05/2009, Santa Rosa

Beggs, H, Verein, R, Kippo, H, Underwood, M, Barton, I, Steinberg, C, Schulz, E, Hibbins, R, Gorman, J, Thomas, A, Ball, G, Cowen, L, Lee, R; Enhancing ship of opportunity sea surface temperature observations in the Australian region; 10th GHRSSST Science Team Meeting, 01/06/2009 - 01/06/2009, Santa Rosa

Ridgway, K, Beggs, H, Gronell, A, Hosie, G, Furnas, M, Lee, R, Schulz, E, Tilbrook, B; A Ship of Opportunity Observation Network for the Oceans Around Australia; OceanObs'09 Conference, 21/09/2009 - 25/09/2009, Venice

Beggs, H, Verein, R, Paltoglou, G; Calibration and Validation of AVHRR Sea Surface Temperatures using Observations from Ships of Opportunity; Oceans from Space, 26/04/2010 - 30/04/2010, Venice

Beggs, H, Verein, R, Paltoglou, G; Calibration and Validation of AVHRR Sea Surface Temperatures using Observations from Ships of Opportunity; 11th GHRSSST Science Team Meeting, 21/06/2010 - 25/06/2010, Lima

Slotwinski, A, Coman, F, Davies, C, Hosie, G, McLaughlin, J, McLeod, DJ, Tonks, M, Strzelecki, J, Richardson, A; Plankton observing in Australia: the Australian Continuous Plankton Recorder (AusCPR) survey; 5th International Zooplankton Production Symposium, 14/03/2011 - 18/03/2011, Pucon

Downie, R, Ryan, T, Sutton, C, Kloser, R; Characterising Micronekton communities of the Southern Ocean and Macquarie Ridge using Multi-Frequency acoustics and net systems.; 3rd International Forum of the Sub-Antarctic, 01/08/2011 - 02/08/2011, Commission for the Conservation of Antarctic Marine Living Resources, Hobart, Presenter(s): Ryan Downie

Hallegraef, GM, Coad, T, Coman, F, Davies, C; The potential of phytoplankton SEM analyses of archived Continuous Plankton Recorder skills; Plankton Symposium: Plankton Biodiversity and Climate Change, 22/09/2011 - 23/09/2011, Plymouth

Hallegraef, GM, Coman, F, Davies, C, Slotwinski, A, Whittock, L, Richardson, A; Australian dust storm associated with potentially pathogenic fungal "bloom"; Plankton Symposium: Plankton Biodiversity and Climate Change, 22/09/2011 - 23/09/2011, Plymouth

Shadwick, E; Ocean productivity and aragonite saturation state enhanced by the calving of the Mertz Glacier; Planet Under Pressure Conference, 26/03/2012 - 29/03/2012, London, Presenter(s): Steve Rintoul, E Shadwick, Bronte Tilbrook, Guy Williams

Lewis, M, Kloser, R, Gershwin, L; Acoustic properties of deep-sea fish and micronekton; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): Mark Lewis

McLeod, DJ; Noctiluca; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart

Oke, PR, Griffin, DA, Schiller, A, Matear, R, Fiedler, R, Mansbridge, JV, Cahill, M, Chamberlin, M, Ridgway, K; Validation of a near-global eddy-resolving ocean model; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): Peter Oke

Picone, MS, Swadling, K, Richardson, A, Coman, F, Slotwinski, A, Davies, C, Tonks, M, Gusmao, LFM, Rochester, W; Seasonal and latitudinal changes in the zooplankton community composition along the East Australia Current: The AusCPR survey; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart

Kelly-Gerreyn, B, Ball, G, Beggs, H, Schulz, E, Cabrie, J, Robinson, P, Rodriguez, J, Casey, B; The Australian Bureau of Meteorology's core marine observing networks; Australian Coastal Ocean Modelling and Observations - ACOMO, 03/10/2012 - 04/10/2012, Canberra, Presenter(s): Boris Kelly-Gerreyn

Armstrong, A, Richardson, A, Weeks, S; The size spectrum of zooplankton communities along the Australian east coast: effects of oceanography, season and latitude; Australian Marine Science Association Conference, 07/07/2013 - 11/07/2013, Gold Coast, Presenter(s): Amelia Armstrong

Coughlan, A, Richardson, A, Weeks, S, Hallegraef, GM; Effects of climate change on Australian phytoplankton communities; Australian Marine Science Association Conference, 07/07/2013 - 11/07/2013, Gold Coast, Presenter(s): Alex Coughlan

Boettger, D, Robertson, R; Internal waves in the waters off East Australia; Australian Meteorological and Oceanographic Society (AMOS) Conference, 12/02/2014 - 14/02/2014, Hobart, Presenter(s): Robin Robertson

Jones, K, Strutton, P, Furnas, M; Enhanced biological production from tropical cyclones and ephemeral weather events in an oligotrophic coastal system; Ocean Sciences Meeting, 23/02/2014 - 28/02/2014, Honolulu, Presenter(s): Peter Strutton

Moltmann, T, Proctor, R, Donoghue, S; The Integrated Marine Observing System: observations to support research and applications in the coastal zone; Ocean Sciences Meeting, 23/02/2014 - 28/02/2014, Honolulu, Presenter(s): Tim Moltmann

Zhou, X, Ignatov, A, Xu, F; In situ SST quality monitor version2 (iQuam2); Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): X Zhou

Benthuisen, J, Tonin, H, Herzfeld, M; Freshening events and hypersaline conditions in the Central Great Barrier Reef; Australian Coastal and Oceans Modelling and Observations (ACOMO) Workshop, 11/10/2016 - 12/10/2016, Canberra

Everett, JD, Richardson, A, Baird, ME, et, al.; Bridging the zooplankton gap between models and observations: the IMOS Zooplankton Ocean Observations and Modelling Task Team (ZOOM); Australian Coastal and Oceans Modelling and Observations (ACOMO) Workshop, 11/10/2016 - 12/10/2016, Canberra

Kelly-Gerreyn, B, Ingham, B, Warne, J, Beggs, H, Schulz, E; The Australian Bureau of Meteorology's core marine observing networks; Australian Coastal and Oceans Modelling and Observations (ACOMO) Workshop, 11/10/2016 - 12/10/2016, Canberra

Course Presentation

Richardson, A; The power of plankton; CSIRO Education Program presentation, 19/08/2015 - 19/08/2015, Brisbane, Presenter(s): Anthony Richardson

Richardson, A; Plankton from the IMOS National Reference Station and Moreton Bay; Student presentation, 21/08/2015 - 21/08/2015, North Stradbroke Education Centre, North Stradbroke Island, Presenter(s): Anthony Richardson

Richardson, A; Plankton around Australia: the IMOS program; CSIRO Education Vacation Program , 30/09/2015 - 30/09/2015, Brisbane, Presenter(s): Anthony Richardson

Meeting Presentation

Gronell, A; XBT Fall rates; GTSP (Global Temperature-Salinity Profile Program) Meeting, 12/11/2007 - 12/11/2007, Hobart, Presenter(s): Ann Gronell

Ridgway, K; Monitoring the East Australian Current- a historical perspective and future plans; American Geophysical Union (AGU) Fall Meeting, 10/12/2007 - 14/12/2007, San Francisco, Presenter(s): Ken Ridgway

Gronell, A, et, al.; Changing XBT fallrates and their influence on estimates of the ocean heat content; Ocean Sciences Meeting, 02/03/2008 - 07/03/2008, Orlando, Presenter(s): Ann Gronell

Beggs, H; Report from the Australian Regional Data Assembly Centre; 9th GHRST-PP Science Team Meeting, 09/06/2008 - 13/06/2008, Perros-Guirec, Presenter(s): Helen Beggs

Thresher, A; Quota Project; GTSPP (Global Temperature-Salinity Profile Program) Meeting, 27/10/2008 - 27/10/2008, Honolulu, Presenter(s): Ann Thresher

Tilbrook, B; Australian surface CO2 measurements; Surface Ocean CO2 Atlas Project (SOCAT) Pacific Regional Meeting, 18/03/2009 - 20/03/2009, Tsukuba, Presenter(s): Bronte Tilbrook

Beggs, H, Majewski, L, Andreu-Burillo, I, Paltoglou, G, Verein, R; Report to GHRST10 from Australia - BLUElink and IMOS; 10th GHRST Science Team Meeting, 01/06/2009 - 01/06/2009, Santa Rosa, Presenter(s): Helen Beggs

Tilbrook, B; Review of LAS and QC of previous day; Surface Ocean CO2 Atlas Project (SOCAT) Atlantic and Southern Ocean Regional Meeting, 25/06/2009 - 26/06/2009, Norwich, Presenter(s): Bronte Tilbrook

Pattiaratchi, C; Integrated Marine Observing System and climate change; Shark Bay World Heritage Meeting, 18/08/2009 - 18/08/2009, Shark Bay, Presenter(s): Charitha Pattiaratchi

Thresher, A; GTSPP Data Format Issues; JCOMM Steering Group Meeting for the Global Temperature –Salinity Profile Programme, 05/05/2010 - 07/05/2010, Oostende, Presenter(s): Ann Thresher

Thresher, A; Indian Ocean QC I; JCOMM Steering Group Meeting for the Global Temperature –Salinity Profile Programme, 05/05/2010 - 07/05/2010, Oostende, Presenter(s): Ann Thresher

Beggs, H, Verein, R, Paltoglou, G, Thomas, A; IMOS Ship SST Observations; 6th JCOMM Ship Observations Team Meeting, 11/04/2011 - 15/04/2011, Hobart, Presenter(s): Helen Beggs

Richardson, A; A plankton observing system: the Australian Continuous Plankton Recorder survey (AusCPR); Department of Environmental Affairs and Tourism Talk, 01/09/2011 - 01/09/2011, Cape Town, Presenter(s): Anthony Richardson

Feng, M; XBT network in the Indian Ocean; 9th Session of the CLIVAR/IOC-GOOS Indian Ocean Panel, 15/10/2012 - 17/10/2012, Cape Town, Presenter(s): Ming Feng

Beggs, H, Majewski, L; Satellite SST and SST Verification; BLUElink III Science Meeting, 30/10/2012 - 31/10/2012, Hobart, Presenter(s): Helen Beggs

McLaughlin, J, Coman, F, Strzelecki, J, Davies, C, Hosie, G, McLeod, DJ, Slotwinski, A, Tonks, M, Richardson, A; Plankton observing in Australia: the Australian Continuous Plankton recorder (AusCPR) survey; WAIMOS Annual Science Meeting, 05/11/2012 - 05/11/2012, University of Western Australia, Perth, Presenter(s): Joanna Strzelecki

Ridgway, K; Observing the interannual and decadal variability of the East Australian Current; Bluewater & Climate Node Science Meeting, 28/11/2012 - 29/11/2012, Hobart, Presenter(s): Ken Ridgway

Schulz, E; Observations for understanding ocean-atmosphere interactions; American Association for the Advancement of Science (AAAS) annual meeting - , 14/02/2013 - 18/06/2013, Boston, Presenter(s): Eric Schulz

Beggs, H, Dekker, AG; Australian ship sea surface temperature for Sentinel-3 SLSTR validation; Sentinel-3 Validation Team 1st Meeting, 26/11/2013 - 29/11/2013, Frascati, Presenter(s): Helen Beggs

Tilbrook, B, Steven, A, Akl, J, Berry, K, Lenton, A, Neill, C, et, al.; Seawater carbonate chemistry and acidification; Carbon Cluster Meeting, 28/11/2013 - 29/11/2013, Stradbroke Island, Presenter(s): Bronte Tilbrook

Kloser, R, Keith, G, Sutton, C, Ryan, T, Downie, R; A decade of Tasman Sea bioacoustics; ICES Working Group on Fisheries Acoustics Science and Technology (WGFAST) Meeting, 05/05/2014 - 09/05/2014, Massachusetts, Presenter(s): Rudy Kloser

Ryan, T, Kloser, R, Sherlock, M, Cordell, J, Marouchos, A; From nekton to micro-nekton - applications and challenges with deepwater quantitative acoustic-optical measurements; ICES Working Group on Fisheries Acoustics Science and Technology (WGFAST) Meeting, 05/05/2014 - 09/05/2014, Massachusetts, Presenter(s): Tim Ryan

Shadwick, E, Trull, T, Tilbrook, B, et, al.; Seasonality of biological and physical controls on surface CO2 from hourly observations at the Southern Ocean Time Series site, south of Australia; ACE-CRC Annual Symposium, 04/06/2014 - 04/06/2014, Hobart, Presenter(s): E Shadwick

Tilbrook, B; Carbon observing system requirements for the Southern Ocean; Southern Ocean Observing System 3rd Scientific Steering Committee Meeting, 18/06/2014 - 20/06/2014, Tromso, Presenter(s): Bronte Tilbrook

Steinberg, C, Moltmann, T; Australia's Integrated Marine Observing System; Joint WMO-IOC Commission for Oceanography and Marine Meteorology DBCP PI-1, 04/05/2015 - 07/05/2015, Koror, Presenter(s): Craig Steinberg

Steinberg, C; Australia's Integrated Marine Observing System; GOOS Steering Committee 4, 24/05/2015 - 26/05/2015, Australian Institute of Marine Science, Townsville, Presenter(s): Craig Steinberg

Beggs, H, Griffin, C, Majewski, L, Sisson, J; IMOS HRPT AVHRR SST validation; 16th GHRSSST Science Team Meeting, 20/07/2015 - 24/07/2015, Noordwyk, Presenter(s): Helen Beggs

Beggs, H, Ignatov, A, Dash, P, et, al.; ST-VAL breakout session overview and inputs from ST-VAL; 16th GHRSSST Science Team Meeting, 20/07/2015 - 24/07/2015, Noordwyk, Presenter(s): Helen Beggs

Tilbrook, B, Steven, A, Neill, C, Berry, K, Passmore, A; Future Reef MAP; Rio Tinto and Great Barrier Reef Foundation meeting, 29/10/2015 - 29/10/2015, Brisbane, Presenter(s): Bronte Tilbrook

Beggs, H, Griffin, C, Sisson, J, Govekar, P; IMOS AVHRR SST on-line validation; 17th GHRSSST Science Team Meeting, 06/06/2016 - 10/06/2016, Washington DC, Presenter(s): Helen Beggs

Kloser, R; Acoustic observations, biological challenges and technological opportunities; CSIRO Meeting, 01/09/2016 - 01/09/2016, Commonwealth Scientific Industrial Research Organisation, Hobart, Presenter(s): Rudy Kloser

Moltmann, T; IMOS observations for coasts and extremes (Meeting Nov 2014); CAWCR, Melbourne, Presenter(s): Tim Moltmann

Session Chair

Session Chair - GTSP Data Issue – II; GTSP (Global Temperature-Salinity Profile Program) Meeting, 27/10/2008 - 27/10/2008, Honolulu, Presenter(s): Ann Thresher

Session Co-Chairs - Standardisation of Quality Control; JCOMM Steering Group Meeting for the Global Temperature –Salinity Profile Programme, 05/05/2010 - 07/05/2010, Oostende, Presenter(s): Charles Sun, Ann Thresher

Session Chair - XBT Workshop; Sixth Session of the JCOMM Ship Observations Team (SOT) , 11/04/2011 - 15/04/2011, Hobart, Presenter(s): Ann Thresher

Session Chair - TG-AcMetadata; ICES Working Group on Fisheries Acoustics Science and Technology Annual Meeting, 10/05/2011 - 13/05/2011, Reykjavik, Presenter(s): Tim Ryan

Session Co-Chairs - XBT Fall rate corrections; XBT Science Workshop, 07/07/2011 - 08/07/2011, Melbourne, Presenter(s): Rebecca Cowley, Ann Thresher

Symposium Presentation

Hosie, G, Kitchener, JA, McLeod, DJ, Takahashi, KT, Hunt, BPV, How, J; Circum-Antarctic zooplankton patterns as determined by Continuous Plankton Recorder; 10th SCAR Biology Symposium, 27/07/2009 - 31/07/2009, Sapporo, Presenter(s): Graham Hosie

McLeod, DJ, Takahashi, KT, Hosie, G, Kitchener, JA, et, al.; The Distribution of key zooplankton taxa in the Southern Ocean: The Southern Ocean Continuous Plankton Recorder Atlas; 10th SCAR Biology Symposium, 27/07/2009 - 31/07/2009, Sapporo, Presenter(s): Graham Hosie

Hosie, G; Changes in Southern Ocean Zooplankton. Local changes in a global context; Symposium on Antarctic-South American Interactions in the Marine Environment, 05/11/2009 - 06/11/2009, Rio de Janeiro, Presenter(s): Graham Hosie

Proud, R, Cox, MJ, Wotherspoon, S, Brierly, A; Acoustic classification of meso-pelagic communities; ICES Annual Science Conference, 20/09/2010 - 24/09/2010, Nantes, Presenter(s): Roland Proud

Hosie, G, Raymond, B, Takahashi, KT, Lida, T, Kitchener, JA, McLeod, DJ; The variability of zooplankton community structure in the Southern Ocean based on Continuous Plankton Recorder data; 32nd Symposium on Polar Biology, 30/11/2010 - 01/12/2010, Tokyo, Presenter(s): Graham Hosie

Richardson, A, Gusmao, LFM, Baird, ME, Coman, F, Delacruz, J, Pritchard, T, Slotwinski, A, Suthers, I; Long-term hydroclimate drivers of zooplankton composition and phenology off eastern Australia; 5th International Zooplankton Production Symposium, 14/03/2011 - 18/03/2011, Pucon, Presenter(s): Anthony Richardson

Hosie, G, Mormede, S, Richardson, A, Hall, J; Australia, NZ role in the global Alliance of CPR Surveys and Southern Ocean CPR Consortium; The New Zealand-Australia Symposium in Ocean Observing and Data Management, 05/12/2011 - 06/12/2011, Hobart, Presenter(s): Graham Hosie

Kloser, R, O'Driscoll, R; Bio-acoustic observations for ecosystem characterisation; The New Zealand-Australia Symposium in Ocean Observing and Data Management, 05/12/2011 - 06/12/2011, Hobart, Presenter(s): Rudy Kloser

Schulz, E, Smith, M, Boyd, PW; Regional ships of opportunity: Ship-based air-sea flux and Aeolian dust measurements in the seas around New Zealand and Australia; The New Zealand-Australia Symposium in Ocean Observing and Data Management, 05/12/2011 - 06/12/2011, Hobart, Presenter(s): Eric Schulz

Sutton, P, Wijffels, S, Ridgway, K; Strengthening Au/NZ contributions to Argo and sustaining the Tasman Box XBT lines; The New Zealand-Australia Symposium in Ocean Observing and Data Management, 05/12/2011 - 06/12/2011, Hobart, Presenter(s): Philip Sutton

Tilbrook, B, Currie, K; New Zealand and Australian integrated network for sustained observations of ocean carbon fluxes and acidification; The New Zealand-Australia Symposium in Ocean Observing and Data Management, 05/12/2011 - 06/12/2011, Hobart, Presenter(s): Bronte Tilbrook

Tilbrook, B, Currie, K, Smith, M; Sustained Observing network for ocean carbon and acidification; Australia-NZ Symposium, 05/12/2011 - 06/12/2011, Hobart, Presenter(s): Bronte Tilbrook

Shadwick, E; Carbon cycling in the Mertz Polynya; ACE CRC Annual Symposium, 08/03/2012 - 09/03/2012, Hobart, Presenter(s): Steve Rintoul, E Shadwick, Bronte Tilbrook

Richardson, A; Climate Change Ecology: seeing the big picture; CMAR Science Symposium - Science, Impacts, Possibilities, 20/03/2012 - 22/03/2012, Hobart, Presenter(s): Anthony Richardson

Hosie, G, Batten, S, Chiba, S, Edwards, M, Fukuchi, M, Hall, J, Melrose, C, Muxagata, E, Richardson, A, Verheye, H, Burkill, P; Global Alliance of Continuous Plankton Recorder Surveys (GACS): placing local/regional monitoring in a global context; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): Graham Hosie

Kloser, R, Sutton, C, Ryan, T, Keith, G, Downing, R; Sampling micronekton at basin scales comparison of nets and acoustics; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): Rudy Kloser

McLeod, DJ, Hallegraeff, GM, Hosie, G, Richardson, A; Climate-driven range expansion of the red-tide dinoflagellate *Noctiluca scintillans* into the Southern Ocean; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): David McLeod

Ridgway, K, Hill, K; The EAC system: mean flow and time-varying circulation; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): Ken Ridgway

Ridgway, K; Observing the interannual and decadal variability of the East Australian Current; Open Science Symposium on Western Pacific Ocean Circulation and Climate, 15/10/2012 - 17/10/2012, Qingdao, Presenter(s): Ken Ridgway

Behagle, N, Gauthier, O, Cotte, C, et, al.; Spatial structure of micronekton closely related to oceanographic fronts in the South_West Indian Ocean; ICES Symposium on Marine Ecosystem Acoustics (SOME Acoustics), 25/05/2015 - 28/05/2015, Nantes, Presenter(s): Nolwenn Behagle

Downie, R, Kloser, R, Ryan, T; Characterising pelagic habitats at ocean basin scales in partnership with commercial fishers; ICES Symposium on Marine Ecosystem Acoustics (SOME Acoustics), 25/05/2015 - 28/05/2015, Nantes, Presenter(s): Ryan Downie

Escobar Flores, P, O'Driscoll, R, Montgomery, J; Bridging the gap between fisheries and oceanography: using fisheries acoustics to monitor pelagic ecosystems in the Southern Ocean; ICES Symposium on Marine Ecosystem Acoustics (SOME Acoustics), 25/05/2015 - 28/05/2015, Nantes, Presenter(s): Pablo Escobar Flores

Kloser, R, Downie, R, Gershwin, L, Keith, G, Ryan, T, Sutton, C; Towards an acoustic derived mesopelagic biogeography of ocean basins; ICES Symposium on Marine Ecosystem Acoustics (SOME Acoustics), 25/05/2015 - 28/05/2015, Nantes, Presenter(s): Rudy Kloser

Thomas, J, Fielding, S, Kloser, R, Ryan, T, Brehmer, P, Behagle, N; A circumpolar database of mid-trophic organisms in the Southern Ocean? The Southern Ocean network acoustics; ICES Symposium on Marine Ecosystem Acoustics (SOME Acoustics), 25/05/2015 - 28/05/2015, Nantes, Presenter(s): Jenny Thomas

Baldry, K, Hardman-Mountford, NJ, Greenwood, J, Tilbrook, B; Remotely-sensed estimation of alkalinity in coastal waters around Australia; 4th Oceans in a high CO2 World Symposium, 03/05/2016 - 06/05/2016, Hobart, Presenter(s): K Baldry

Conde-Pardo, P, Tilbrook, B; Biogeochemical change in the Southern Ocean, South of Tasmania; 4th Oceans in a high CO2 World Symposium, 03/05/2016 - 06/05/2016, Hobart, Presenter(s): Paula Conde-Pardo

Davidson, S, Westwood, KJ, Thomson, P, Deppeler, S, Pascoe, P, Wright, SW, Pearce, I, Van den Enden, M, Johnson, R, Schulz, K, Tilbrook, B, De Salas, M; Variability in response of Antarctic marine microbes to enhanced pCO2 ; 4th Oceans in a high CO2 World Symposium, 03/05/2016 - 06/05/2016, Hobart, Presenter(s): S Davidson

Hardman-Mountford, NJ, Greenwood, N, Tilbrook, B; Relative potential impacts of local and global CO2 release: comparison of natural variability and trends to Carbon Capture and Storage; 4th Oceans in a high CO2 World Symposium, 03/05/2016 - 06/05/2016, Hobart, Presenter(s): Nick Hardman-Mountford

Mongin, M, Baird, ME, Hadley, S, Lenton, A; Optimising island-scale buffering of ocean acidification; 4th Oceans in a high CO2 World Symposium, 03/05/2016 - 06/05/2016, Hobart, Presenter(s): Mathieu Mongin

Tilbrook, B, Steven, A, Neill, C, Berry, K, et, al.; Ocean acidification on the Great Barrier Reef; The Future of Marine Ecosystems, 08/10/2016 - 10/10/2016, Hobart, Presenter(s): Bronte Tilbrook

Workshop Presentation

Gronell, A; XBT metadata effects on fall rate corrections; NOAA XBT Fall Rate Workshop, 10/03/2008 - 12/03/2008, Miami, Presenter(s): Ann Gronell

Wijffels, S; Impact of fall rate on estimates of the steric component of sea level rise; NOAA XBT Fall Rate Workshop, 10/03/2008 - 12/03/2008, Miami, Presenter(s): Susan Wijffels

Schulz, E; An Australian contribution to SAMOS and GOSUD; 2nd GOUSD/SAMOS Workshop, 10/06/2008 - 12/06/2008, Seattle, Presenter(s): Eric Schulz

Schulz, E; Air-Sea Flux Verification over the Ocean; ACCESS Model Evaluation Workshop, 29/04/2010 - 29/04/2010, Bureau of Meteorology, Melbourne, Presenter(s): Eric Schulz

Hosie, G, et, al.; Southern Ocean CPR Survey Data; CAML/SCAR Biogeographic Synthesis Workshop, 18/05/2010 - 21/05/2010, Villefranch-sur-mer, Presenter(s): Graham Hosie

Neill, C; "Underway pCO₂ system developments"; Southern and Indian Ocean Surface Ocean Carbon Dioxide Atlas (SOCAT) Workshop, 16/06/2010 - 18/06/2010, Commonwealth Scientific Industrial Research Organisation, Hobart, Presenter(s): Craig Neill

Tilbrook, B; Future plans: Southern and Indian Ocean observations Australia; Southern and Indian Ocean Surface Ocean Carbon Dioxide Atlas (SOCAT) Workshop, 16/06/2010 - 18/06/2010, Commonwealth Scientific Industrial Research Organisation, Hobart, Presenter(s): Bronte Tilbrook

Cowley, R, Wijffels, S, Boyer, T, Kizu, S; A new view of biases in historical expendable bathythermograph data based on side-by-side comparisons; XBT Bias and Fall Rate Workshop , 25/08/2010 - 27/08/2010, Hamburg, Presenter(s): Rebecca Cowley

Thresher, A, Sun, C, Snowden, D; Requirements for a new NetCDF format for Upper Ocean Temperature (UOT) data; XBT Bias and Fall Rate Workshop , 25/08/2010 - 27/08/2010, Hamburg, Presenter(s): Rebecca Cowley

Hosie, G, McLeod, DJ; Expert Group on CPR Research; Southern Ocean CPR Standards Workshop, 22/11/2010 - 26/11/2010, Tokyo

Hosie, G, McLeod, DJ; SCAR Expert Group on CPR Research; Southern Ocean CPR Standards Workshop, 22/11/2010 - 26/11/2010, Tokyo, Presenter(s): Graham Hosie, David McLeod

Beggs, H, Verein, R, Paltoglou, G, Thomas, A; Using IMOS Ship SST Observations for Validation of Satellite SST Observations; GHRSSST SST Validation Working Group Workshop, 01/03/2011 - 01/03/2011, Boulder, Presenter(s): Helen Beggs

Kloser, R; Toward a global observation and modeling system for studying the ecology of the open ocean using acoustics; EurOceans Foresight Workshop, 03/05/2011 - 06/05/2011, Bergen, Presenter(s): Rudy Kloser

Kloser, R, McCauley, R; Sustained ecosystem monitoring using passive and active acoustics; ICES Working Group on Fisheries Acoustics Science and Technology Annual Meeting, 10/05/2011 - 13/05/2011, Reykjavik, Presenter(s): Rudy Kloser

Ryan, T, Kloser, R; Processing of acoustic data for a ship of opportunity ocean observing system ; ICES Working Group on Fisheries Acoustics Science and Technology Annual Meeting, 10/05/2011 - 13/05/2011, Reykjavik, Presenter(s): Rudy Kloser

Thresher, A; GTSP data management in Australia; GTSP Data Management Workshop, 07/06/2011 - 09/06/2011, Washington DC, Presenter(s): Ann Thresher

Beggs, H; Use and requirements for XBT surface temperature observations by the Group for High Resolution SST (GHRSSST); XBT Science Workshop, 07/07/2011 - 08/07/2011, Melbourne, Presenter(s): Helen Beggs

Cowley, R; A new analysis of fall-rate coefficients in historical XBT data based on side-by-side comparisons; XBT Science Workshop, 07/07/2011 - 08/07/2011, Melbourne, Presenter(s): Rebecca Cowley

Cowley, R; A New View of XBT Biases; XBT Science Workshop, 07/07/2011 - 08/07/2011, Melbourne, Presenter(s): Rebecca Cowley

Domingues, CM; The Importance of XBT Data to Climate Studies; XBT Science Workshop, 07/07/2011 - 08/07/2011, Melbourne, Presenter(s): Catia Domingues

Hill, K; Decadal Changes in the East Australian Current system - the relationship to changes in the South Pacific Gyre; XBT Science Workshop, 07/07/2011 - 08/07/2011, Melbourne, Presenter(s): Katy Hill

Oke, PR; Observing System Evaluation activities under GODAE Ocean View; XBT Science Workshop, 07/07/2011 - 08/07/2011, Melbourne, Presenter(s): Peter Oke

Rintoul, S; On the Southern Ocean; XBT Science Workshop, 07/07/2011 - 08/07/2011, Melbourne, Presenter(s): Steve Rintoul

Tilbrook, B; Observing networks: Sensors and Platforms; Surface Ocean CO2 Data to Flux, UNESCO, 12/09/2011 - 13/09/2011, Paris, Presenter(s): Bronte Tilbrook

Hosie, G, Richardson, A; Workshop on Going Global: Internationalising the Continuous Plankton Recorder Survey; Plankton Symposium: Plankton Biodiversity and Climate Change, 22/09/2011 - 23/09/2011, Plymouth, Presenter(s): Graham Hosie, Anthony Richardson

Schulz, E, Smith, M, Boyd, PW, McTainsh, G; Ship-based air-sea flux & Aeolian dust measurements in the seas around New Zealand and Australia; The New Zealand-Australia Symposium in Ocean Observing and Data Management, 05/12/2011 - 06/12/2011, Hobart, Presenter(s): Eric Schulz

Beggs, H, Paltoglou, G, Verein, R; Ship SST data for satellite SST and ocean model validation below 40°S; GHRSSST Joint Workshop on Tropical Warm Pool and High Latitude SST Issues, 05/03/2012 - 09/03/2012, Melbourne

Craig, P, Brassington, GB, Haynes, J, Schiller, A, Pugh, TF, Sandery, PA, Oke, PR, Symonds, G; BLUElink - status, challenges and future; Australian Coastal Ocean Modelling and Observations - ACOMO, 03/10/2012 - 04/10/2012, Canberra, Presenter(s): Peter Craig

Jones, EM, Brinkman, R, Gillibrand, P, Herzfeld, M, Margvelashvili, N, Mongin, M, Rigby, P, Sharman, C, Timms, GP, Tonin, H, Wild-Allen, K; Australian coastal modelling and information systems: assisting management decision making; Australian Coastal Ocean Modelling and Observations - ACOMO, 03/10/2012 - 04/10/2012, Canberra, Presenter(s): Emlyn Jones

Ridgway, K, Schulz, E, Oke, PR, Wijffels, S, Strutton, P; Bluewater in-situ observations - applications to models; Australian Coastal Ocean Modelling and Observations - ACOMO, 03/10/2012 - 04/10/2012, Canberra, Presenter(s): Ken Ridgway

McLeod, DJ, Coman, F, Davies, C, Hosie, G, McLaughlin, D, Murphy, N, Rochester, W, Slotwinski, A, Strzelecki, J, Tonks, M, Richardson, A; Plankton Observing in Australia: the Australian Continuous Plankton Recorder (AusCPR); Bluewater & Climate Node Science Meeting, 28/11/2012 - 29/11/2012, Hobart, Presenter(s): David McLeod

Tilbrook, B, Nojiri, Y, Steven, A, Mongin, M, Lenton, A, Matear, R; Seawater carbonate chemistry and ocean acidification; Japan-Australia Marine Science Workshop, 11/07/2013 - 12/07/2013, Tokyo, Presenter(s): Bronte Tilbrook

Tilbrook, B; Observing ocean acidification and its impacts in the Southern Ocean; 2nd International Workshop to Develop an Ocean Acidification Observing Network of Ship Surveys, Moorings, Floats and Gliders, 24/07/2013 - 26/07/2013, St. Andrews, Presenter(s): Bronte Tilbrook

Tilbrook, B; Carbonate chemistry of the Great Barrier Reef and Coral Sea; Southern Ocean Acidification Workshop, 23/09/2013 - 23/09/2013, Australian Antarctic Division, Hobart, Presenter(s): Bronte Tilbrook

Tilbrook, B; Defining essential ocean variables for biogeochemistry; First Technical Experts Workshop of the GOOS Biology and Ecosystem, and GOOS Biogeochemistry Panel, 13/11/2013 - 16/11/2013, Townsville, Presenter(s): Bronte Tilbrook

Tilbrook, B; The Southern Ocean Observing System; Partnership for Observation of the Global Oceans (POGO), 21/01/2014 - 24/01/2014, Hobart, Presenter(s): Bronte Tilbrook

Tilbrook, B, Steven, A, Akl, J, Berry, K, Lenton, A, Neill, C, et, al.; Overview of seawater carbonate chemistry and acidification research in IMOS and other projects for Australia; Ocean Acidification Workshop, 18/02/2014 - 18/02/2014, Hobart, Presenter(s): Bronte Tilbrook

Tilbrook, B; Ocean carbonate chemistry of the Coral Sea and Great Barrier Reef; Ocean Acidification and Coral Reefs: Linking Science to Solutions Workshop II, 05/03/2014 - 06/03/2014, Brisbane, Presenter(s): Bronte Tilbrook

Ryan, T, Kloser, R, Downie, R, Keith, G; Quality assurance of acoustic data products from multiple vessels in a range of sea states; ICES Working Group on Fisheries Acoustics Science and Technology (WGFAST) Meeting, 05/05/2014 - 09/05/2014, Massachusetts, Presenter(s): Tim Ryan

Tilbrook, B; Ocean acidification observing system; UN Small Island Developing States Ocean Acidification Workshop, 28/08/2014 - 29/08/2014, Apia, Presenter(s): Bronte Tilbrook

Fielding, S, Thomas, J, Anderson, C, Conchon, A, Cossio, A, Dunsford, A, Escobar Flores, P, Horne, J, Jarvis, T, Kloster, R, Ryan, T; Acoustic Processing and Methods Workshop; Southern Ocean Network of Acoustics (SONA) Workshop, 24/04/2016 - 25/04/2016, Vigo, Presenter(s): Sophie Fielding

Kloster, R; Australia's Integrated Observing System - bioacoustics; Southern Ocean Network of Acoustics (SONA) Workshop, 24/04/2016 - 25/04/2016, Vigo, Presenter(s): Rudy Kloster

Ryan, T, Kloster, R, Downie, R, Keith, G; Sona Workshop: Discussion presentation for quality assurance of acoustic data products from multiple vessels in a range of sea states; Southern Ocean Network of Acoustics (SONA) Workshop, 24/04/2016 - 25/04/2016, Vigo, Presenter(s): Tim Ryan

Tilbrook, B; Global Ocean Acidification Observing Network; 3rd Global Ocean Acidification Observing Network Workshop, 08/05/2016 - 10/05/2016, Hobart, Presenter(s): Bronte Tilbrook

Uribe-Palomino, J; Parasitic Copepods Workshop; 3rd International Workshop on Symbiotic Copepoda, 10/07/2016 - 16/07/2016, Heron Island, Presenter(s): Julian Uribe-Palomino

Cowley, R; Roadmap for implementation of uncertainty into IQuOD dataset versions; 5th XBT Science Workshop and 4th Annual IQuOD Workshop, 05/10/2016 - 07/10/2016, Tokyo, Presenter(s): Rebecca Cowley

Cowley, R; Uncertainty task team: summary of activities; 5th XBT Science Workshop and 4th Annual IQuOD Workshop, 05/10/2016 - 07/10/2016, Tokyo, Presenter(s): Rebecca Cowley

Janekovic, I, Pattiaratchi, C, et, al.; Predicting the ocean and continental shelf dynamics off southeastern and central Western Australia using advanced ROMS capabilities; Australian Coastal and Oceans Modelling and Observations (ACOMO) Workshop, 11/10/2016 - 12/10/2016, Canberra, Presenter(s): Ivica Janekovic

Roughan, M, Kerry, C, Rao, S, et, al.; Modelling and observing the East Australian Current system and its impacts on shelf circulation, Lagrangian transport and biogeochemistry; Australian Coastal and Oceans Modelling and Observations (ACOMO) Workshop, 11/10/2016 - 12/10/2016, Canberra, Presenter(s): Moninya Roughan