

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 Kloser, 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

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)

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

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

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

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

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

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

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

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

Sustainable ecological observing, Commonwealth Scientific Industrial Research Organisation, Keith Hayes, D Smith, Peter Thompson, Russ Babcock, Anthony Richardson, W Rochester, 2012-2013, Funding: 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 OaFlux, 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 Kloster, 2012-2015, Funding: CSIRO, Sealords NZ

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

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

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

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

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

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

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 Kloster, Paul van Ruth, Mark Doubell, Anthony Richardson, 2014-2017, Partner Institution(s): CSIRO, SARDI, Funding: BP, CSIRO, South Australian Research and Development Institute

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

Australian national shelf reanalysis, Emlyn Jones, Moninya Roughan, Tim Moltmann, Andreas Schiller, Peter May, 2014-2014, Funding: Integrated Marine Observing System (IMOS)

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

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), Keywood (CSIRO), Siems (MONASH), Alexander (AAD)

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

Southern ocean carbon cycle postdoctoral fellow, University of Tasmania, Paula Conde-Pardo, 2015-2018, Funding: ACECRC

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

Understanding the physical oceanographic drivers of a mass coral bleaching event AIMS research project, Australian Institute of Marine Science, Craig Steinberg, 2016-2017

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

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, 2009-2018, 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

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

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

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

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

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, 2013-2017, 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), Biogeography of the Coral and Tasman Sea micronekton based on IMOS bioacoustic data, University of Tasmania; Ryan Downie, 2014-2017, Supervisor(s): Rudy Kloster, Alastair Hobday, Simon Wotherspoon; Funding: CSIRO

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

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

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), Retrieval and Application of Shipboard Sea Surface Temperature Measurements, Ocean University of China; Minglun Yang, 2015-2018, Supervisor(s): Lei Guan; Partner Institution(s): Australian Bureau of Meteorology

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

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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

Chua, BS, Xu, L 2017, Representer-based variational data assimilation systems: a review, in SK Park, L Xu (eds.), Data Assimilation for Atmospheric, Oceanic and Hydrologic Applications (Vol. III), Springer, pp.71-81

Book Chapters 3

Community White Papers / Technical Papers

Send, U, Weller, RA, Wallace, D, Chavez, F, Lampitt, RS, Dickey, T, et, al.; 2010, OceanSITES, Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society (Vol 2), Venice, Italy, September 2009, ESA Publication WPP-306

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, September 2009, ESA Publication WPP-306, 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, September 2009, ESA Publication WPP-306, 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 (Vol 2), Venice, Italy, September 2009, ESA Publication WPP-306, doi:10.5270/OceanObs09.cwp.40

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, September 2009, ESA Publication WPP-306, doi:10.5270/OceanObs09.cwp.83

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

Bittig, H, et, al.; 2015, SCOR WG 142: Quality Control Procedures for Oxygen and Other Biogeochemical Sensors on Floats and Gliders. Recommendation for oxygen measurements from Argo floats, implementation of in-air-measurement routine to assure highest long-term accuracy, doi:10.13155/45917

Conference Proceedings

Send, U, Burkill, P, Gruber, N, Johnson, G, et, al. 2010, Towards an Integrated Marine Observing System: in situ observations, Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society (Vol 1), Venice, Italy, September 2009, ESA Publication WPP-306, Venice, Presenter: Uwe Send

Send, U, et, al. 2010, A global boundary current circulation observing network, Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society (Vol 2), Venice, Italy, September 2009, ESA Publication WPP-306, Venice, Presenter: Uwe Send

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 International GHRSSST Science Team Meeting, Edinburgh, UK, June, 2011, Edinburgh, Presenter: Helen Beggs

Beggs, H, Majewski, L, Paltoglou, G, Verein, R, Zhong, A 2011, Report to GHRSSST12 from Australia – BLUElink and IMOS, Proceedings of the 12th International GHRSSST Science Team Meeting, Edinburgh, UK, June, 2011, Edinburgh, Presenter: Helen Beggs

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, Kruger, G, Verein, R, Oke, PR, Sakov, P, Tingwell, C, Barass, V, Sandery, PA, Griffin, C 2012, Report to GHRSSST13 from Australia - BLUElink and IMOS, Proceedings of the 13th International GHRSSST Science Team Meeting, Tokyo, Japan, June, 2012, Tokyo

Beggs, H, Griffin, C, Majewski, L, Govekar, P, Sisson, J 2016, Report from the Australian RDAC to GHRSSST-XVII, Proceedings of the 17th International GHRSSST Science Team Meeting, Washington, USA, June, 2016, Washington DC, Presenter: Helen Beggs

Feng, M, Wijffels, S 2017, Monitoring variability and changes of the Indonesian Throughflow, Proceedings of the EGU General Assembly Conference 2017, Vienna, Presenter: Ming Feng

Szekely, T, et, al. 2017, Comparison of CORA and EN4 in-situ datasets validation methods, toward a better quality merged dataset, Proceedings of the EGU General Assembly Conference 2017, Vienna

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

Trull, T, Passmore, A, Davies, DM, et. al. 2017, Distribution of planktonic biogenic carbonate organisms in the Southern Ocean south of Australia: a baseline for ocean acidification impact assessment, *Biogeosciences*, doi:<https://doi.org/10.5194/bg-2017-219>

Pardo, PC, Tilbrook, B, Langlais, C, Trull, T, Rintoul, S 2017, Carbon uptake and biogeochemical change in the Southern Ocean, South of Australia, *Biogeosciences*, doi: <https://doi.org/10.5194/bg-2017-213>

In Press 3

Journals

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

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

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

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

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

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

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, Berkemans, 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

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

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

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.

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

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

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.

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

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

Takahashi, KT, Hosie, G, McLeod, DJ, Kitchener, JA 2011, Surface zooplankton distribution patterns during austral summer in the Indian sector of the Southern Ocean, south of Australia, *Polar Science*, vol. 5, no. 2, pp. 134-145, doi:10.1016/j.polar.2011.04.003

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

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

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Data Products 50

Public Seminars

Tilbrook, B; Ocean acidification in Australian regional seas and the Southern Ocean; 10th GHRSSST Science Team Meeting, 01/06/2009 - 01/06/2009, Santa Rosa, Presenter(s): Bronte Tilbrook

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

Benthuyesen, J; Oceanic processes across tropical Australia; thermosalinograph results highlighted; Ocean University of China, Public Seminar, 08/11/2016 - 08/11/2016, Qingdao, Presenter(s): Jessica Benthuyesen

Tilbrook, B, Neill, C, Berry, K, et. al.; Future Reef 2.0; Future Reef 2.0, 20/06/2017 - 20/06/2017, Brisbane, Presenter(s): Bronte Tilbrook

Uribe-Palomino, J; TV Program Episode - Fieldwork - field work on plankton in Moreton Bay; Scope, 29/06/2017 - 29/06/2017, Brisbane, Presenter(s): Julian Uribe-Palomino

Public Seminars 5

Conferences, Symposia or Workshops

Conference Oral Presentation

Beggs, H, Barton, I, Rea, A, Harris, A, Mittaz, J, Maturi, E; Report from the Australian Regional Data Assembly Centre; GODAE High Resolution SST Pilot Project Science Team Meeting, 14/05/2007 - 18/05/2007, Melbourne

Ridgway, K, Dunn, JR; Improving ocean climatological fields using Argo and Altimetry; International Union of Geophysics and Geology (IUGG) General Assembly, 02/07/2007 - 13/07/2007, Perugia

Richardson, A, Hosie, G, Coman, F, Davies, C, McLeod, DJ, Slotwinski, A; A new plankton observing programme: the Australian Continuous Plankton Recorder (AusCPR) survey; Global Ocean Ecosystem Dynamics (GLOBEC) Open Science Meeting, 22/06/2009 - 26/06/2009, Vancouver

Coman, F, Bonham, P, Davies, C, Slotwinski, A, Thompson, P, Richardson, A; The Plankton observing system for IMOS: 2. Plankton from the Australian National Reference Stations; Australian Marine Science Association Conference, 05/07/2009 - 09/07/2009, Adelaide, Presenter(s): Anthony Richardson

Richardson, A, Hosie, G, Coman, F, Davies, C, McLeod, DJ, Slotwinski, A; The plankton observing system for IMOS: 1. The Australian Continuous Plankton Recorder (AusCPR) survey; Australian Marine Science Association Conference, 05/07/2009 - 09/07/2009, Adelaide, Presenter(s): Anthony Richardson

Hosie, G, et, al.; The SCAR Southern Ocean Continuous Plankton Recorder Survey: achievements, current status and future directions; Australian Marine Science Association Conference, 05/07/2010 - 08/07/2010, Woolongong, Presenter(s): Graham Hosie

Hosie, G, Hunt, BPV, et, al.; The SCAR Southern Ocean Continuous Plankton Recorder Survey: achievements, current status and future directions; SCAR Open Science Conference, 03/08/2010 - 06/08/2010, Buenos Aires, Presenter(s): Brian Hunt

Lehodey, P, Senina, I, Calmettes, B, Royer, F, Gaspar, P, Abecassis, M, Polovina, J, Parker, D, Domokos, R, Hernandez, O; Towards operational management of pelagic ecosystems; ICES Annual Science Conference, 20/09/2010 - 24/09/2010, Nantes, Presenter(s): Patrick Lehodey

Ridgway, K; Decadal variability of the East Australian Current; Relationship to changes in the South Pacific Gyre and ENSO; Greenhouse 2011: The Science of Climate Change, 04/04/2011 - 08/04/2011, Cairns, Presenter(s): Ken Ridgway

Tilbrook, B; Ocean acidification on the GBR and in the Coral Sea; Greenhouse 2011: The Science of Climate Change, 04/04/2011 - 08/04/2011, Cairns, Presenter(s): Bronte Tilbrook

Tilbrook, B; Ocean acidification and the carbonate chemistry of Australian regional seas; Ocean Acidification: Implications for Living Marine Resources in the Southern Hemisphere, 15/06/2011 - 17/06/2011, Canberra, Presenter(s): Bronte Tilbrook

Coman, F, Davies, C, Hosie, G, McLaughlin, J, McLeod, DJ, Slotwinski, A, Strzelecki, J, Tonks, M, Richardson, A; A new plankton observing programme: the Australian Continuous Plankton Recorder (AusCPR) survey; Australian Marine Science Association Conference, 03/07/2011 - 07/07/2011, Fremantle

Coman, F, Davies, C, Hosie, G, McLaughlin, J, McLeod, DJ, Slotwinski, A, Strzelecki, J, Tonks, M, Richardson, A; Plankton observing in Australia: the Australian Continuous Plankton Recorder (AusCPR) survey; Australian Marine Science Association Conference, 03/07/2011 - 07/07/2011, Fremantle, Presenter(s): Anthony Richardson

Hosie, G, Mormede, S, Raymond, B, Pinkerton, M; Predicting biogeographic patterns of Southern Ocean and Antarctic zooplankton using Continuous Plankton Recorder data; Australian Marine Science Association Conference, 03/07/2011 - 07/07/2011, Fremantle

Kloser, R, Ryan, T, Lewis, M, Sutton, C, Keith, G; Using acoustics to understand the biomass, distribution, variability and energetics of mid-trophic level organisms in ocean ecosystems ; Australian Marine Science Association Conference, 03/07/2011 - 07/07/2011, Fremantle

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 work plan: 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

Benthuisen, J; Extreme marine warming across tropical Australia during austral summer 2015-2016; Australian Marine Science Association Conference, 02/07/2017 - 06/07/2017, Darwin, Presenter(s): Jessica Benthuisen

Brinkman, R; Sustainable Development of the North's Blue Economy – the role of IMOS to date, and into the future; Australian Marine Science Association Conference, 02/07/2017 - 06/07/2017, Darwin, Presenter(s): Richard Brinkman

Downie, R; Mesozooplankton abundance, biovolume and size structure within pelagic ecosystems of the Great Australian Bight; Australian Marine Science Association Conference, 02/07/2017 - 06/07/2017, Darwin, Presenter(s): Ryan Downie

Kloser, R; Exploring the slope/offshore Great Australian Bight (GAB) pelagic habitat paradox; Australian Marine Science Association Conference, 02/07/2017 - 06/07/2017, Darwin, Presenter(s): Rudy Kloser

Lara-Lopez, A; After a decade, what is new in IMOS?; Australian Marine Science Association Conference, 02/07/2017 - 06/07/2017, Darwin, Presenter(s): Ana Lara-Lopez

Puotinen, M; In which of Australia's north and northwest region CMRs and KEFs are 13 key biotic taxa likely the most widespread?; Australian Marine Science Association Conference, 02/07/2017 - 06/07/2017, Darwin, Presenter(s): Marji Puotinen

Richardson, A; A decade of IMOS Plankton Observations; Australian Marine Science Association Conference, 02/07/2017 - 06/07/2017, Darwin, Presenter(s): Anthony Richardson

Uribe-Palomino, J, Coman, F, Tonks, M, et, al.; Pontellid copepods from Australian waters; 13th International Conference on Copepoda, 16/07/2017 - 21/07/2017, Los Angeles, Presenter(s): Julian Uribe-Palomino

Uribe-Palomino, J, Coman, F, Tonks, M, Slotwinski, A, et, al.; Lessons from the free living marine copepods found throughout the Australian Plankton Survey; 13th International Conference on Copepoda, 16/07/2017 - 21/07/2017, Los Angeles, Presenter(s): Julian Uribe-Palomino

Lara-Lopez, A, Moltmann, T, Proctor, R; Measuring and understanding change: IMOS initiatives and tools relevant to fish and fisheries; Australian Society for Fish Biology (ASFB) Conference, 22/07/2017 - 24/07/2017, Albany, Presenter(s): Tim Moltmann

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 Francisco, 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; GHRST 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 GHRST 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 GHRST 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

Hallegraeff, 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

Hallegraeff, 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, Hallegraeff, 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

Benthuyssen, 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

Huang, B, et, al.; Extended Reconstructed Sea Surface Temperature Version 5 (ERSSTV5): Upgrades, Validations and Intercomparisons; 18th GHRST Science Team Meeting, 05/06/2017 - 09/06/2017, Qingdao, Presenter(s): Boyin Huang

Zhou, X, Ignatov, A, Xu, F; Recent Improvement to the NOAA iQUAM2 System; 18th GHRST Science Team Meeting, 05/06/2017 - 09/06/2017, Qingdao, Presenter(s): X Zhou

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 Fransisco, 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; GTSP (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; GTSP 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; Setinel-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

Cowley, R; Monitoring and data centre reports - Global temperature and Salinity Profile Programme (GTSP); 9th Session of the Ship Observations Team, 27/03/2017 - 31/03/2017, London, Presenter(s): Rebecca Cowley

Cowley, R; SOOP Programme activity reports (including implementation status) - Report by the SOOPIP Chairperson ; 9th Session of the Ship Observations Team, 27/03/2017 - 31/03/2017, London, Presenter(s): Rebecca Cowley

Ryan, T, Kloser, R, Downie, R, Keith, G; IMOS BA-SOOP bi-acoustic processing methods; ICES Working Group on Quality of Acoustic Data (WKQUAD), 31/03/2017 - 31/03/2017, Nelson, Presenter(s): Tim Ryan

Downie, R, Kloser, R, Ryan, T, et, al.; Basin scale bio-acoustic observing and change detection: from little things big things grow; ICES Working Group on Fisheries Acoustics Science and Technology, 03/04/2017 - 07/04/2017, Nelson, Presenter(s): Ryan Downie

Beggs, H, Sisson, J; IMOS Ship SST for Satellite SST Validation; 18th GHRSSST Science Team Meeting, 05/06/2017 - 09/06/2017, Qingdao, Presenter(s): Helen Beggs

Liu, C, Angel, W, Freeman, E, et, al.; The improvement of ICOADS3.0 and its application to DOISST; 18th GHRSSST Science Team Meeting, 05/06/2017 - 09/06/2017, Qingdao, Presenter(s): C Liu

Benthuyzen, J; Oceanography of Northern Australia; temperature loggers, moorings, gliders, and thermosalinograph results highlighted; Dhimurru Aboriginal Corporation, 20/06/2017 - 20/06/2017, Nhulunbuy, Presenter(s): Jessica Benthuyzen

Benthuyzen, J; Oceanography of Northern Australia; temperature loggers, moorings, gliders, and thermosalinograph results highlighted; Anindilyakwa Land and Sea Rangers, 21/06/2017 - 21/06/2017, Alyangula, Presenter(s): Jessica Benthuyzen

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

Tilbrook, B; The Global Ocean Acidification Observing Network; GEOSS Asia-Pacific Symposium, Earth observations supporting the implementation of the SDGs in the Asia Pacific Region, 11/01/2017 - 13/01/2017, Tokyo, Presenter(s): Bronte Tilbrook

Webinar

Uribe-Palomino, J; What is in a mouthful of water?; CSIRO/IMOS Plankton Video, Brisbane, Presenter(s): Julian Uribe-Palomino

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 modelling 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; GHRST 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

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