

Satellite remote sensing



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

Reef rescue marine monitoring program, Reef and Rainforest Research Centre, Britta Schaffelke, 2005-2013, Partner Institution(s): GBRMPA, AIMS, James Cook University, CSIRO, the Northern Fisheries Centre of the Queensland Department of Employment, Economic Development and Innovation and the National Research Centre for Environmental Toxicology at the University of Queensland, Funding: Caring For Our Country

Reef temp project - GBRMPA web tool for predicting coral bleaching , University of Melbourne, Jeffrey Maynard

Quantifying the role of salps in marine food webs and organic carbon export, University of New South Wales, Iain Suthers, Funding: ARC Discovery Project

GHRST 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 Clayton, Chelle Gentemann, Rachel Weihs, Peter Steinle, Paul Sandery, Vaughan Barass, Chris Tingwell, Matthew Martin, Partner Institution(s): NOAA, CSIRO, University of Colorado, Météo-France, Met Office, Florida State University, Remote Sensing Systems, University of Edinburgh, Funding: BLUElink, Bureau of Meteorology

Coastal cold core eddies of the East Australian Current and their fisheries potential, University of New South Wales, Iain Suthers, Funding: ARC Discovery Project

Transient coastal upwelling along ningaloo reef project , University of Western Australia, Gregory Ivey, Ryan Lowe, Charitha Pattiaratchi, 2009-2011, Funding: ARC

Animations of raw temperature and anomalies for all Commonwealth Marine Reserves to inform the review and revision, in particular, of management plans for the following Reserves: Ashmore, Cartier, Ningaloo, and Mermaid, University of Melbourne, Jeffrey Maynard

Predictive tool for the improved monitoring of the onset and outbreak of coral disease (White Syndrome) in northern Australia , University of Melbourne, Jeffrey Maynard

Innovative Solutions 2, Department of Primary Industries SA, John Luick, 2009-2013, Funding: Fisheries Research and Development Corporation

Reef rescue marine monitoring program, Commonwealth Scientific Industrial Research Organisation, Vittorio Brando, 2010-2010, Partner Institution(s): AIMS, JCU, Funding: Great Barrier Reef Marine Park Authority

Ultra high-resolution SST analysis over the Great Barrier Reef - testing use of IMOS HRPT AVHRR L2P products in the SST analysis system , French Research Institute for Exploration of the Sea, Jean-Francois Poille, Partner Institution(s): Ifremer, Funding: European Organisation for the Exploitation of Meteorological Satellites (EUMETSAT)

Cross shelf processes and nutrient enrichment in the East Australian Current regime, University of New South Wales, Amandine Schaeffer, Moninya Roughan, 2010-2015

CSIRO Marine and Atmospheric Research SST products - testing use of IMOS HRPT AVHRR L2P products for production of CMAR SST composite products , Commonwealth Scientific Industrial Research Organisation, David Griffin, Partner Institution(s): Bureau of Meteorology

Collating existing survey data for Commonwealth marine waters, Jeffrey Dambacher, 2011-2015, Funding: National Environmental Research Program (NERP)

Collating existing pressure data for the Commonwealth marine area, Piers Dunstan, 2011-2015, Funding: National Environmental Research Program (NERP)

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

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)

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

Eddies and upwelling: using satellite datasets to examine patterns in chlorophyll a adjacent to the East Australian Current, University of Technology Sydney, Jason Everett

Including IMOS HRPT AVHRR L2P SST in Global 1 km SST analysis (G1SST), North American Space Agency Jet Propulsion Laboratory, Yi Chao, Partner Institution(s): NASA JPL, Funding: National Aeronautics and Space Agency (NASA)

NERP and NESP marine biodiversity hub, Australian Institute of Marine Science, Charles Darwin University, Commonwealth Scientific Industrial Research Organisation, Geoscience Australia, University of Tasmania, Museum Victoria, University of Western Australia, NSW DPI, NSW OEH, Nicholas Bax, 2011-2021, Funding: Department of the Environment

Shaping integrated monitoring for the Great Barrier Reef World Heritage Area, Paul Hedge, 2011-2015, Funding: National Environmental Research Program (NERP)

Marine monitoring blueprint: meeting a monumental challenge, Paul Hedge, 2011-2015, Funding: National Environmental Research Program (NERP)

eReefs - ReefTemp Next Generation, Bureau of Meteorology, Great Barrier Reef Marine Park Authority, Claire Spillman, Luke Garde, Oscar Alves, Funding: National Plan for Environmental Information (NPEI)

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

Satellite phytoplankton functional algorithm inter-comparison project, Hokkaido University, Daisuke Hirano, Partner Institution(s): <http://pft.ees.hokudai.ac.jp/satellite/index.shtml>

Project 318950 'A global network of permanent sites for calibrating satellite altimetry missions', Stelios Mertikas, 2012-2016, Partner Institution(s): Watson, C.S. UTAS. Et al., Funding: European Union 7th Framework Marie Curie Actions: International Research Staff Exchange Scheme FP7-PEOPLE-2012 IRSES

Critical seabird foraging locations and trophic relationships for the Great Barrier Reef, James Cook University, Brad Congdon, 2012-2015, Partner Institution(s): UQ, AIMS, Funding: Australian Institute of Marine Science

eReefs - enhanced monitoring, Commonwealth Scientific Industrial Research Organisation, Andreas Schiller, 2012-2013, Partner Institution(s): BOM, GBRF, Funding: Great Barrier Reef Foundation, SIEF Fellowship

Australian Cal/Val of sentinel-3 sea surface height project ID: 13680, University of Tasmania, Chris Watson, Neil White, John Church, Partner Institution(s): CSIRO, Funding: ESA - European Space Agency

Great Australian Bight oceanography project, accuracy of remotely sensed chlorophyll products, South Australian Research and Development Institute, John Middleton

GPS4SeaLevel, University de la Rochelle, University of Tasmania, A Santamaria-Gomez, Chris Watson, Matt King, Guy Wopplemann, 2013-2017, Funding: European Union 7th Framework Marie Curie Actions: International Research Staff Exchange Scheme FP7-PEOPLE-2012 IRSES

Altimetry for real time applications and climate studies relevant to Australia: application to EUMETSAT/CNES DSP/OT/12-2118 for membership of the Ocean Surface Topography Science Team (OSTST), Commonwealth Scientific Industrial Research Organisation, David Griffin, John Church, Neil White, Ken Ridgway, Chris Watson, Richard Coleman, 2013-2016

Australian-waters EO phytoplankton-type products (AEsOP), Commonwealth Scientific Industrial Research Organisation, Nick Hardman-Mountford, 2013-2013, Funding: CSIRO

eReefs - hydrodynamic modelling validation, BOM Queensland Regional Office, Arthur Simanjuntak, 2013-2014, Partner Institution(s): CSIRO, AIMS, Funding: Bureau of Meteorology

Physical oceanography in GAB: the science that underpins, Department of Primary Industries SA, South Australian Research and Development Institute, John Luick, J Luetchford, 2013-2017, Partner Institution(s): CSIRO, Funding: BP

Physical oceanographic influences on Queensland reef fish and scallops, Queensland Department of Agriculture, Fisheries and Forestry, Tony Courtney, 2013-2015, Partner Institution(s): DAFF-BOM-CARM, Funding: Fisheries Research and Development Corporation

Enhanced monitoring in the GBR, Andy Steven, 2013-2016, Funding: Great Barrier Reef Foundation, CSIRO, SIEF Fellowship

Understanding the decline of the little penguins in South Australia, Flinders University, Diane Colombelli-Negrel, Partner Institution(s): NRM Boards (Adelaide and Mt Lofty Ranges Board and Kangaroo Island Board), Funding: Adelaide and Mt Lofty Ranges NRM Board, Department of Environment and Natural Resources, SA, Nature Foundation of South Australia, Lirabenda Endowment Research Fund, Birds SA, The Nature Conservation

Remote sensing in support of marine environmental monitoring, Curtin University, David Antoine, 2013-2016

Upwelling and shelfbreak processes: the role of local and remote forcing in driving GBR exchanges, Australian Institute of Marine Science, Jessica Benthuyzen, 2014-2016, Partner Institution(s): eReefs/IMOS, Funding: Australian Institute of Marine Science

Advancing dynamical understanding in the East Australian Current: optimising the ocean observation and prediction effort, Sydney Institute for Marine Science, Moninya Roughan, 2014-2016, Funding: ARC

eReefs DA - phase 2, Commonwealth Scientific Industrial Research Organisation, Emlyn Jones, 2014-2015, Partner Institution(s): BOM, AIMS

IOCCG working group on atmospheric correction over turbid waters, algorithm inter-comparisons, University Littoral-Cote d'Opale, Cedric Jamet, 2014-2016, Partner Institution(s): <http://www.esa-oceancolour-cci.org/?q=project%20team>, Funding: IOCCG

ESA ocean colour climate change initiative: round robin algorithm comparison, Plymouth Marine Laboratories, Shubha Sathyendranath, 2014-2017, Partner Institution(s): <http://www.esa-oceancolour-cci.org/?q=project%20team>, Funding: ESA - European Space Agency

NOV-7279-DV_3653 regional calibration of Envisat at Bass Strait, Noveltis, Mathilde Cancet, 2014-2014, Partner Institution(s): Dr Christopher Watson (University of Tasmania), Funding: ESA - European Space Agency

International phytoplankton functional type intercomparison working group, Commonwealth Scientific Industrial Research Organisation, Nick Hardman-Mountford, 2014-2015, Partner Institution(s): NASA, ESA, NOAA, EUMETSAT, JAXA, KIOST, AWI, CNRS/LOV, CSIR, PML, U. Maine, U. Hokkaido, U. Lisboa, U. Sao Paulo, IRD, U. Richmond, Pixalytics, Michigan Tech., WHOI, Funding: IOCCG

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

Phytoplankton variability in the Indian Ocean, Commonwealth Scientific Industrial Research Organisation, Nick Hardman-Mountford, 2014-2015, Funding: CSIRO

NRS regional WQM fluorescence characterisation, Commonwealth Scientific Industrial Research Organisation, L Clementson, Tim Lynch, 2014-2016, Funding: CSIRO

Implications of current spatial management measures on AFMA ERAs for habitats, Roland Pitcher, Funding: Fisheries Research and Development Corporation, CSIRO

Biogeochemical processes supporting productivity of Kimberley coastal waters, WAMSI Project 2.2.2, Western Australian Marine Science Institution, Anya Waite, 2014-2015, Funding: Western Australian Marine Science Institution, University of Western Australia, CSIRO

Drivers of primary production in eastern Australia, University of Technology Sydney, M Doblin, 2014-2015, Partner Institution(s): CSIRO, Funding: CSIRO Marine and Coastal Carbon Biogeochemistry

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

Productivity in the East Australian Current, University of New South Wales, Moninya Roughan, Amandine Schaeffer

Operational and scientific monitoring program & applied research program, Australian Institute of Marine Science, D Souter, 2014-2015, Partner Institution(s): AIMS, Shell Development (Australia) Pty Ltd, Funding: INPEX, Shell Development (Australia) Pty Ltd

Remote sensing in support of environmental monitoring - part 2, David Antoine, 2015-2017, Funding: Western Australian Marine Science Institution, CSIRO, CUT

Optimising the size and quality of sardines through real-time harvest monitoring: CRC Project No. 2013/746, South Australian Research and Development Institute, Mark Doubell, Tim Ward, Paul Watson, Charles James, Jonathan Carrol, Ana Redondo-Rodriguez, Funding: CRC Seafood

CARS, synTS and SSS, Commonwealth Scientific Industrial Research Organisation, Madeleine Cahill, J Lovell, Funding: CSIRO

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 Treml, Steve Swearer, Nick Murphy, Mary Young, Adam Miller, Jan Strugnell, Harry Gorfine, Craig Sherman, Bridget Green, 2015-2017, Funding: Fisheries Research and Development Corporation

A uniquely Integrated approach to predicting Fisheries Recruitment, University of New South Wales, Moninya Roughan, 2015-2018, Funding: ARC Linkage Project

DP150100615 quantifying sea-level trends and extremes along Australia's coastal margin, University of Tasmania, Matt King, 2015-2018, Partner Institution(s): Dr Christopher Watson (UTAS), Dr John Church (CSIRO), Dr Xiaoli Deng (U Newcastle), Dr John Hunter (UTAS), Prof Richard Coleman (UTAS), Dr Ole Anderson (TU Denmark), Funding: ARC Discovery Project

NESP project 2.3.1 - benthic light as ecologically-validated GBR-wide indicator for water quality: drivers, thresholds and cumulative risks, Australian Institute of Marine Science, University of Queensland, James Cook University, Katrina Fabricius, 2016-2018, Partner Institution(s): National Environmental Science Programme (NESP)

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

Assessing satellite SST as a potential data source to replace temperature data from tide gauges to populate ballast water exchange risk tables, Fisheries, Forestry and Quantitative Sciences Branch ABARES, Rupert Summerson

Satellite detection of marine pollution in the Great Barrier Reef, Commonwealth Scientific Industrial Research Organisation, David Blondeau-Patissier, 2016-2019, Funding: Advance Queensland Fellowship

Integrating biogeochemical modelling and ocean colour observations to quantify human impacts on water quality in the coastal ocean, Commonwealth Scientific Industrial Research Organisation, Monika Woizniak, Funding: CSIRO

Great Barrier Reef resilience mapping, Commonwealth Scientific Industrial Research Organisation, Mark Baird, Scott Condie, 2017-2018, Partner Institution(s): AIMS, UQ, Funding: Great Barrier Reef Foundation

Scoping study to address poor water quality in the Whitsunday Region, Commonwealth Scientific Industrial Research Organisation, Mark Baird, Britta Schaffelke, 2017-2019, Partner Institution(s): AIMS, Funding: Department of Energy and Environment

NESP Tropical Water Quality Hub, Project 3.2.5 – Testing and implementation of the water quality metric for the 2017 and 2018 reef report cards, Great Barrier Reef Marine Park Authority, Britta Schaffelke, Mark Baird, 2017-2017, Funding: Department of Energy and Environment, National Environmental Science Program (NESP), CSIRO, Australian Institute of Marine Science, Queensland Government - Office of the Great Barrier Reef

Integrating biogeochemical modelling and ocean colour observations to quantify human impacts on water quality in the coastal ocean. CSIRO OCE postdoctoral fellowship, Commonwealth Scientific Industrial Research Organisation, Mark Baird, Emlyn Jones, Richard Matear, Thomas Schroeder, Funding: CSIRO

NESP TWQ - Project 3.3.3 - Defining the values of the ecological systems that influence the GBR and lie outside the marine park and world heritage area boundaries, James Cook University, Johanna Johnson, Funding: James Cook University, University of Queensland, Australian Institute of Marine Science, National Environmental Science Program (NESP)

NESP Tropical Water Quality Hub Project 3.2.1 – Deriving ecologically relevant load targets to meet desired ecosystem condition for the Great Barrier Reef: a case study for seagrass meadows in the Burdekin region, James Cook University, M Collier, Mark Baird, 2017-2019, Partner Institution(s): UQ, JCU, AIMS, Funding: National Environmental Science Program (NESP)

Research Projects 74

Postgraduate Research Projects

Doctor of Philosophy (PhD), ROMS Modelling of WCE motivated by glider mission, University of New South Wales; Helen MacDonald, 2009-2012, Supervisor(s): Moninya Roughan, John Wilkin, Mark Baird

Doctor of Philosophy (PhD), Coastal diurnal warming through in-situ, satellite data and modelling studies, University of Miami, Rosenstiel School of Marine and Atmospheric Science; Xiaofang Zhu, 2009-2014, Supervisor(s): Peter Minnett; Partner Institution(s): AIMS Townsville; Funding: National Aeronautics and Space Agency (NASA)

Doctor of Philosophy (PhD), Implications of climate change for the oceanography of the Great Barrier Reef ecosystem, University of Queensland; Ana Redondo-Rodriguez, Supervisor(s): Scarla Weeks, Janice Lough, Ray Berkelmans; Partner Institution(s): AIMS

Doctor of Philosophy (PhD), Long-term distribution and ecology of pelagic tunicates, University of New South Wales; Natasha Henschke, 2010-2014, Supervisor(s): Iain Suthers, Jason Everett, Anthony Richardson; Partner Institution(s): UTS, CSIRO; Funding: ARC

Honours degree, Satellite detection of current driven upwelling and in-situ detection of wind driven upwelling at Myrmidon Reef, James Cook University; Clair Stark, 2010-2011, Supervisor(s): Peter Ridd; Funding: James Cook University

Doctor of Philosophy (PhD), Effects of climate change on phytoplankton primary production and chemotaxonomy in Southern Ocean and Antarctic ecosystems, University of Tasmania; Robert Johnson, 2011-2014, Supervisor(s): Peter Strutton, Andrew McMinn, Klaus Meiners, Simon Wright; Partner Institution(s): ACE-CRC, AAD

Degree - Other, KGG355 Spatial research project, sea surface height analysis in Storm Bay, Tasmania, University of Tasmania; Jack Beardsley, 2011-2011, Supervisor(s): Chris Watson; Funding: University of Tasmania

Doctor of Philosophy (PhD), The implications for environmental change on the relative importance of salps, copepods and krill in the Storm Bay (Tasmania) ecosystem, Institute of Marine and Antarctic Studies; Nurul Huda Binti Ahmad Ishak, 2011-2014, Supervisor(s): Kerrie Swadling, So Kawaguchi, Guy Williams, Steve Nicol; Funding: Government of Malaysia

Honours degree, Macquarie Island tide gauge calibration and sea level extreme event analysis, University of Tasmania; Anna Hill, 2011-2011, Supervisor(s): Chris Watson; 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

Doctor of Philosophy (PhD), Nitrogen cycling in the Indian Ocean, University of Western Australia; Eric Raes, 2012-2015, Supervisor(s): Anya Waite, Pauline Grierson, Peter Thompson; Partner Institution(s): CSIRO, AWI; Funding: University of Western Australia , CSIRO

Doctor of Philosophy (PhD), Optical partitioning of phytoplankton niches and implication for carbon cycling, University of Technology Sydney; Charlotte Robinson, 2012-2015, Supervisor(s): M Doblin, Peter Ralph, Nagur Cherukuru

Honours degree, Modelling the distribution of kelp in a vertically structured subtropical water column, University of Queensland; Maxime Marin, 2013-2013, Supervisor(s): Russ Babcock

Doctor of Philosophy (PhD), Relationships between humpback whale distribution and environmental conditions on the Gold Coast, Griffith University; Joshua Reinke, Supervisor(s): Charles Lemkert, Jan-Olaf Meynecke

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), Investigating sea surface temperature diurnal variation over the tropical warm pool using MTSAT-1R, University of New South Wales; Haifeng Zhang, 2014-2018, Supervisor(s): Xiao Hua Wang, Andrew Kiss, Helen Beggs; Partner Institution(s): Bureau of Meteorology; Funding: China Scholarship Council

Doctor of Philosophy (PhD), Physical oceanographic processes affecting spanner crab (*Ranina ranina*) catchability, Griffith University; David Spencer, 2014-2018, Supervisor(s): Charles Lemkert, Shing Lee, Ian Brown

Postgraduate Research Projects 17

Book

Harrison, BA, Jupp, D, Lewis, M, Forster, B, Mueller, N, Smith, C, Phinn, SR, Hudson, DA, Grant, I, Coppa, I 2016, , Earth Observations: Data, Processing and Applications. Volume 1A: Data - Basics and Acquisition, CRC SI, Melbourne

Kampf, J, Chapman, P 2016, , Upwelling systems of the world , Springer

Book 2

Book Chapters

Beggs, H 2010, Use of TIR from Space in Operational Systems, in V Barale, JFR Gower, L Alberotanza (eds.), *Oceanography from Space Revisited*, Springer, pp.249-271

Lough, JM, Bainbridge, S, Berkelmans, R, Steinberg, C 2010, Physical monitoring of the Great Barrier Reef to understand ecological responses to climate change, in Y You, A Henderson-Sellers (eds.), *Climate Alert: Climate Change Monitoring and Strategy*, Sydney University Press, Sydney, pp.66-110

Bonnefond, P, Haines, BJ, Watson, C 2011, In situ Absolute Calibration and Validation - A link from Coastal to Open-Ocean Altimetry, in S Vignudelli, AG Kostianoy, P Cipollini, J Benveniste (eds.), *Coastal Altimetry*, Springer, Berlin, pp.259-296

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

Steven, A, Brando, V, Clementson, L, Dekker, AG, Hardman-Mountford, NJ, Hodge, J, Jones, EM, King, E, Schroeder, T 2014, Coastal ocean colour of Australian waters: progress and outlook, in S Djavidnia, V Cheung, M Ott, S Seeyave (eds.), *Oceans and Society: Blue Planet*, Cambridge Scholars Publishing, pp.122-129

Roughan, M, Schaeffer, A, Suthers, I 2015, Sustained ocean observing along the coast of southeastern Australia: NSW-IMOS 2007-2015, in Y Liu, H Kerkering, R Weisberg (eds.), *Coastal Ocean Observing Systems*, Elsevier, pp.76-98

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Book Chapters 6

Community White Papers / Technical Papers

Garde, L, Spillman, CM, Majewski, L, Griffin, C, Kruger, G, Beggs, H; 2013, ReefTemp Next Generation

Community White Papers/Technical Papers 1

Conference Proceedings

Bainbridge, S, Steinberg, C, Heron, M, Rigby, P 2009, The role of observation systems in coral reef monitoring and management, *Proceedings of the American Geophysical Union 2009 Joint Assembly*, Toronto, Toronto

Beggs, H, Majewski, L, Paltoglou, G 2009, New Australian high resolution AVHRR SST products from the Integrated Marine Observing System, Proceedings of the 2009 International Users Symposium, Santa Rosa, USA, May, 2009, Santa Rosa

Beggs, H, Majewski, L, Paltoglou, G, Schulz, E, Barton, I, Verein, R 2010, Report to GHRSS11 from Australia - BLUElink and IMOS, Proceedings of the 11th International GHRSS Science Team Meeting, Lima, Peru, June, 2010, Lima, Presenter: Ian Barton

Bainbridge, S, Steinberg, C, Heron, M, Furnas, M 2010, Integrating observation systems: an example from the Great Barrier Reef, Proceedings of Oceans 2010 IEEE, Sydney, Australia, May, 2010, Sydney

Beggs, H, Verein, R, Paltoglou, G 2010, Calibration and validation of AVHRR sea surface temperatures using observations from Ships of Opportunity, Proceedings of Oceans from Space 2010, Venice

Malthus, T, Brando, V, Jones, S, Held, A, Dekker, AG 2010, Australian activities in calibration and validation for Hyperspectral sensors, Proceedings of Hyperspectral Workshop 2010, Frascati

Brando, V, Keen, R, Daniel, P, Baumeister, A, Nethery, M, Baumeister, H, Hawdon, A, Swan, G, Mitchell, R, Campbell, S, Schroeder, T, Park, Y-J, Edwards, R, Steven, A, Allen, S, Clementson, L, Dekker, AG 2010, The Lucinda Jetty Coastal Observatory's role in satellite ocean colour calibration and validation for Great Barrier Reef coastal waters, Proceedings of Oceans 2010 IEEE, Sydney, Australia, May, 2010, Sydney

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

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

Beggs, H, Castro, S, Wick, G, Majewski, L, LeBorgne, P, Merchant, C, Brunke, M, Clayson, CA, Zhu, X, Corlett, G, Barass, V, Tingwell, C, Sandery, PA, Schulz, E, Kruger, G, Harris, A, Mittaz, J, Gentemann, C, Embury, O 2012, Update on the GHRSS Tropical Warm Pool diurnal variability (TWP+) project, Proceedings of the 13th International GHRSS Science Team Meeting, Tokyo, Japan, June, 2012, Tokyo, Presenter: Helen Beggs

Kaiser-Weiss, A, Beggs, H, Hoyer, J, Harris, A, Corlett, G, Wick, G 2012, Summary of the joint workshop of the DV-WG, HL-TAG, ST-VAL, and EARWIG on tropical warm pool and high latitude SST issues, Proceedings of the 13th International GHRSS Science Team Meeting, Tokyo, Japan, June, 2012, Tokyo, Presenter: A Kaiser-Weiss

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 International GHRSS Science Team Meeting, Tokyo, Japan, June, 2012, Tokyo

Cancel, M, Watson, C, Haines, BJ, Bonnefond, P, Lyard, F, Femenias, P 2015, Regional Cal/Val of altimeter range at non-dedicated sites in preparation of sentinel-3, Proceedings of Sentinel-3 for Science workshop. ESA SP-734, Venice, Presenter: Chris Watson

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

Conference Proceedings 14

In Press

Grammer, G, Morrongiello, J, Izzo, C, Hawthorne, P, Middleton, J, Gillanders, B 2017, Coupling biogeochemical tracers with fish growth reveals physiological and environmental controls on otolith chemistry, Ecological Monographs

In Press 1

Journals

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

Schiller, A, Ridgway, K, Steinberg, C, Oke, PR 2009, Dynamics of three anomalous SST events in the Coral Sea, Geophysical Research Letters, vol. 36, doi:10.1029/2008GL036997

Bainbridge, S, Steinberg, C, Heron, M 2010, Integrating observations: an example from the Great Barrier Reef, lessons from the reef on why integration matters and why achieving integration is harder than it looks, Sea Technology, vol. 51, no. 8, pp. 33-38

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.

Watson, C, White, N, Church, JA, Burgette, R, Tregoning, P, Coleman, R 2011, Absolute calibration in Bass Strait, Australia: TOPEX, Jason-1 and OSTM/Jason-2, Marine Geodesy, vol. 34, no. 3-4, pp. 242-260, doi:10.1080/01490419.2011.584834

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

Mullaney, TJ, Miskiewicz, AG, Baird, ME, Burns, PTP, Suthers, I 2011, Entrainment of larval fish assemblages from the inner shelf into the East Australian Current, Fisheries Oceanography, vol. 20, pp. 434-447, doi:10.1111/j.1365-2419.2011.00594.x

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

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

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

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

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Data Products 18

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Watson, C; Geodesy at UTAS and the IMOS Satellite Altimetry Sub-Facility; Seminar of the 40th Anniversary of Spatial Science at UTAS, 04/05/2012 - 04/05/2012, University of Tasmania, Hobart, Presenter(s): Chris Watson

Garde, L, Spillman, CM; ReefTemp Next Generation: Preliminary prototype system; Australian Bureau of Meteorology , 06/06/2012 - 06/06/2012, BOM Queensland Regional Office, Brisbane

Schroeder, T; Remote sensing of coastal waters around Australia: Challenges for ocean colour algorithms; Seminar Presentation, 09/06/2012 - 09/06/2012, University Littoral-Cote d'Opale, Wimereux, Presenter(s): Thomas Schroeder

Garde, L; ReefTemp Next Generation: a new operational system for monitoring reef thermal stress; CAWCR Seminar Series, 12/09/2012 - 12/09/2012, Melbourne, Presenter(s): Luke Garde

Pattiaratchi, C; Stirring on the inner shelf during tropical cyclone Rusty; Institute of Marine and Coastal Science Seminar, 19/11/2013 - 19/11/2013, Rutgers University, New Brunswick, Presenter(s): Charitha Pattiaratchi

Watson, C, White, N, Church, JA, King, M, Burgette, R, Legresy, B; Refining satellite era estimates of global mean sea level rise; Research School of Earth Science (RSES) Seminar, 12/02/2015 - 12/02/2015, Canberra, Presenter(s): Chris Watson

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Hardman-Mountford, NJ; What makes the Indian Ocean tick? Using robotic floats to understand ocean ecosystems; IMAREST, 03/09/2015 - 03/09/2015, Perth, Presenter(s): Nick Hardman-Mountford

Public Seminars 9

Conferences, Symposia or Workshops

Conference Oral Presentation

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Turner, P; Distributed gridded data delivery for marine research; eResearch Australasia, 28/09/2008 - 03/10/2008, Melbourne, Presenter(s): Peter Turner

Ridgway, K, Steinberg, C, Herzfeld, M, Schiller, A, Feng, M; Downscaling climate change to Heron Island on the GBR; Marine and Tropical Sciences Research Facility (MTRSF) Conference, 28/04/2009 - 30/04/2009, Townsville

Steinberg, C, Weeks, S, Berkelmans, R; East Australian Current and upwelling influences on the thermal environment of the Great Barrier Reef; Marine and Tropical Sciences Research Facility (MTSRF) Conference, 28/04/2009 - 30/04/2009, Townsville

Steinberg, C, Heron, SF, Herzfeld, M, Weeks, S, Bainbridge, S, Heron, M, Skirving, WJ; Observing and modelling the circulation of the Capricorn Bunker Group, Southern Great Barrier Reef; Australian Marine Science Association Conference, 05/07/2009 - 09/07/2009, Adelaide

Ahmed, S, Harmel, T, Hlaing, S, Tonizzo, A, Gilerson, A ; Validation of ocean colour satellite sensors using multi and hyper-spectral data from Long Island Sound Coastal Observatory; AOP Workshop, 08/12/2009 - 10/12/2009, San Diego, Presenter(s): Sam Ahmed

Steinberg, C, Heron, SF; Oceanography, mechanical damage and wave-induced upwelling; NOAA Coral Reef Watch/UQ Workshop - Satellite monitoring of reef vulnerability in a changing climate, 15/02/2010 - 18/02/2010, Brisbane

Baird, ME, Roughan, M, Morris, BD, Suthers, I; An Integrated Marine Observing System for southeastern Australia: the East Australian Current and its interaction with coastal environments; Ocean Sciences Meeting, 22/02/2010 - 26/02/2010, Portland

Brando, V, Schroeder, T, Dekker, AG, Schaffelke, B, Devlin, M; Delivering accurate water quality information for the Great Barrier Reef lagoon using regionally valid satellite remote sensing data; Marine and Tropical Sciences Research Facility (MTSRF) Conference, 18/05/2010 - 20/05/2010, Cairns

Congdon, BC, Weeks, S, Steinberg, C; Whirlpools and weight loss: linking seabird foraging success and oceanography in the southern Great Barrier Reef; Marine and Tropical Sciences Research Facility (MTSRF) Conference, 18/05/2010 - 20/05/2010, Cairns

Beggs, H, Majewski, L, Paltoglou, G; Satellite Sea Surface Temperature products for the Australian region from IMOS and BLUElink; Australian Marine Science Association Conference, 05/07/2010 - 08/07/2010, Woolongong

Brando, V, Schroeder, T, Dekker, AG, Schaffelke, B, Devlin, M; Management relevant satellite based water quality information for the Great Barrier Reef lagoon using regional optical parameterisation; Australian Marine Science Association Conference, 05/07/2010 - 08/07/2010, Woolongong

Steinberg, C, Heron, SF, Heron, M, Mantovanelli, A, Rigby, P, Weeks, S, Jaffres, JBD, Brinkman, R, Herzfeld, M, Wisdom, D; Advances in observing physical oceanographic impacts on the Southern Great Barrier Reef, Australia; Australian Marine Science Association Conference, 05/07/2010 - 08/07/2010, Woolongong

Wild-Allen, K; Trends in remotely sensed chlorophyll concentration in Tasmanian coastal waters; Australian Marine Science Association Conference, 05/07/2010 - 08/07/2010, Woolongong, Presenter(s): Karen Wild-Allen

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Clementson, L, Brando, V, Keen, R, Daniel, P; The Lucinda Jetty Coastal Observatory - an example of a single point observation site; Australian Marine Science Association Conference, 03/07/2011 - 07/07/2011, Fremantle

Jones, N; Internal wave climatology at Ningaloo Reef; Australian Marine Science Association Conference, 03/07/2011 - 07/07/2011, Fremantle, Presenter(s): Nicole Jones

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Watson, C, White, N, Church, JA, Burgette, R, Tregoning, P, Coleman, R; Updated results from the in situ calibration site in Bass Strait, Australia; Ocean Surface Topography Science Team (OSTST), 19/10/2011 - 21/10/2011, San Diego, Presenter(s): Chris Watson

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Griffin, DA, Cahill, M, Roughan, M, Oke, PR; Observing and modelling the East Australian Current and its eddies using IMOS data and the BLUElink models; 18th Australian Meteorological and Oceanographic Society (AMOS) Conference, 31/01/2012 - 03/02/2012, University of New South Wales, Sydney

Schroeder, T; Overview of IMOS Cal/Val activities within the Satellite Remote Sensing Facility; Committee on Earth Observation Satellites (CEOS) WGCV-34 Meeting, 06/02/2012 - 10/02/2012, Brisbane, Presenter(s): Thomas Schroeder

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Keen, R, Brando, V, Daniel, P, McKenzie, D, Woodward, L, Palmer, R, Mills, D, Slivkoff, M, Klonowski, W; The establishment of autonomous ship based ocean colour observations on Australian research vessels; Ocean Sciences Meeting, 20/02/2012 - 24/02/2012, Salt Lake City

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Castro, S, Wick, G, Beggs, H; Comparisons observed and predicted diurnal warming in the Tropical Warm Pool using simplified parameterizations; GHRSSST Joint Workshop on Tropical Warm Pool and High Latitude SST Issues, 05/03/2012 - 09/03/2012, Melbourne

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Crawford, C, Swadling, K, Frusher, SD; Productivity and water quality changes in coastal waters in southeastern Tasmania, Australia, a climate change hotspot.; 50th ECSA Conference: Today's science for tomorrow's Management, 03/06/2012 - 07/06/2012, Venice, Presenter(s): Christine Crawford

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Barrell, S; Use of satellite data and products in Australia; 3rd Asia/Oceania Meteorological Satellite Users' Conference, 09/10/2012 - 12/10/2012, Jeju Island, Presenter(s): S Barrell

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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, Castro, S, Wick, G, Brunke, M, Rodriguez, J; Update on the GHRSSST Tropical Warm Pool Diurnal Variability (TWP+) Project; 14th GHRSSST Science Team Meeting, 17/06/2013 - 21/06/2013, Woods Hole, Presenter(s): Helen Beggs

Beggs, H, Majewski, L, Griffin, C, Verein, R, Tingwell, C, Sakov, P, Garde, L; Report to GHRSSST14 from Australia - BLUElink and IMOS; 14th GHRSSST Science Team Meeting, 17/06/2013 - 21/06/2013, Woods Hole, Presenter(s): Helen Beggs

Griffin, C, Beggs, H, Majewski, L; A consistent day/night regression algorithm based on 3-channel AVHRR; 14th GHRSSST Science Team Meeting, 17/06/2013 - 21/06/2013, Woods Hole, Presenter(s): Christopher Griffin

Griffin, C, Beggs, H, Majewski, L; BoM efforts to improve SSEs for AVHRR SST Level 3 Products; 14th GHRSSST Science Team Meeting, 17/06/2013 - 21/06/2013, Woods Hole, Presenter(s): Christopher Griffin

Kobashi, D, Robertson, R, Warner, J; Internal tides in shallow water and their interactions with the bottom boundary layer; Asia-Oceania Geosciences Society Annual Meeting, 24/06/2013 - 28/06/2013, Brisbane, Presenter(s): Daijiro Kobashi

Griffin, DA, Cahill, M; IMOS Ocean Current: monitoring Australia's ocean currents on a daily basis, for all to see; Australian Marine Science Association Conference, 07/07/2013 - 11/07/2013, Gold Coast, Presenter(s): David Griffin

Ingleton, T, Davies, P, Jordan, A, Williams, S; Hydrographic observations, towed video and relationships to benthic habitat: recent surveys in NSW's marine protected areas; Australian Marine Science Association Conference, 07/07/2013 - 11/07/2013, Gold Coast, Presenter(s): Tim Ingleton

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

Griffin, C, Beggs, H, Majewski, L; A quick introduction to the methods and features of the IMOS HRPT AVHRR SST dataset produced by the Australian Bureau of Meteorology; 4th Asia Oceana Meteorological Satellite User's Conference, 09/10/2013 - 11/10/2013, Melbourne, Presenter(s): Christopher Griffin

Majewski, L, Griffin, C, Beggs, H; Spatial and temporal biases in MTSAT-1R SST; 4th Asia Oceana 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

Cetina-Heredia, P, Roughan, M, van Sebille, E, Coleman, M; Transport and separation in the East Australian Current: inter-annual variability, trend, and implications for advection of propagules; Australian Meteorological and Oceanographic Society (AMOS) Conference, 12/02/2014 - 14/02/2014, Hobart, Presenter(s): Paulina Cetina-Heredia

Feng, M; Shelf temperature observations off Rottnest, Western Australia since 1950; Australian Meteorological and Oceanographic Society (AMOS) Conference, 12/02/2014 - 14/02/2014, Hobart, Presenter(s): Ming Feng

Griffin, DA; Highlights of the IMOS observations of ocean currents; Australian Meteorological and Oceanographic Society (AMOS) Conference, 12/02/2014 - 14/02/2014, Hobart, Presenter(s): David Griffin

Mantovanelli, A, Roughan, M, Keating, S, Wyatt, LR, Schaeffer, A; On the complex interactions of the East Australian Current (EAC) and continental shelf waters; Australian Meteorological and Oceanographic Society (AMOS) Conference, 12/02/2014 - 14/02/2014, Hobart, Presenter(s): Alessandra Mantovanelli

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

Rykova, T; A comparison of the three-dimensional structure of the western boundary current eddies; Australian Meteorological and Oceanographic Society (AMOS) Conference, 12/02/2014 - 14/02/2014, Hobart, Presenter(s): Tatiana Rykova

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

Cetina-Heredia, P, Roughan, M, van Sebille, E, Coleman, M, Feng, M; Larval transport under a climate change scenario in a strengthening western boundary current; Ocean Sciences Meeting, 23/02/2014 - 28/02/2014, Honolulu, Presenter(s): Paulina Cetina-Heredia

King, E, Paget, M, Suber, K; IMOS AODAAC - gridded data access; Spatially Explicit Data Discovery, Extraction and Evaluation Services (SPEDDEXES), 17/03/2014 - 21/03/2014, Sydney, Presenter(s): Edward King

Ingleton, T, Davies, C, Jordan, A, Neilson, J, et, al.; Habitat mapping, towed video and benthic invertebrate assemblages within a marine park on Australia's temperate east coast; GeoHab 2014 Workshop: Ground-validation for remotely sensed marine habitat mapping and species distribution modelling, 05/05/2014 - 05/05/2014, Melbourne, Presenter(s): Tim Ingleton

MacDonald, HS, Roughan, M, Wilkin, J, Baird, ME; Eddies in the East Australian Current; ROMS/TOMS Workshop, 26/05/2014 - 29/05/2014, Rovinj, Presenter(s): Helen MacDonald

Beggs, H, Griffin, C, Majewski, L, Siddique, A; 21 years of high-resolution sea surface temperatures around Australia and Antarctica; Australian Marine Science Association Conference, 07/07/2014 - 11/07/2014, Canberra, Presenter(s): Helen Beggs

Cetina-Heredia, P, Roughan, M, van Sebille, E, Coleman, M, Feng, M; Larval transport and connectivity of marine reserves under a climate change scenario; Australian Marine Science Association Conference, 07/07/2014 - 11/07/2014, Canberra, Presenter(s): Paulina Cetina-Heredia

Clementson, L, Helidoniotis, F, Lynch, T; A systematic approach to providing high quality bio-optical data streams from moored observing systems over broad spatial and temporal scales; Australian Marine Science Association Conference, 07/07/2014 - 11/07/2014, Canberra, Presenter(s): L Clementson

Schroeder, T, Lovell, J, Clementson, L, King, E; Evaluation of MODIS chlorophyll algorithms in Australian continental shelf waters: the IMOS match-up database; Australian Marine Science Association Conference, 07/07/2014 - 11/07/2014, Canberra, Presenter(s): Thomas Schroeder

Spillman, CM, Garde, L, Heron, SF, Beeden, R; ReefTemp Next Generation: A new operational system for monitoring thermal stress on the Great Barrier Reef; Australian Marine Science Association Conference, 07/07/2014 - 11/07/2014, Canberra, Presenter(s): Claire Spillman

Henschke, N, Smith, J, Everett, JD, Suthers, I; A density dependent *Thalia democratica* population model ; ICES Annual Science Conference, 15/09/2014 - 19/09/2014, Coruna, Presenter(s): Natasha Henschke

Baird, ME, Wild-Allen, K, Mongin, M, Skerratt, J, Rizwi, F, Robson, B, Jones, EM, Schroeder, T; eReefs biogeochemical model assessment - ocean colour and in situ observations; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra, Presenter(s): Mark Baird

Cetina-Heredia, P, Roughan, M, van Sebille, E, Coleman, M, Feng, M; Past, present and future transport patterns along the east Australian coast and its impact on larval dispersal; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra, Presenter(s): Paulina Cetina-Heredia

Griffin, DA, Cahill, M; Coastal Altimetry 101; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra, Presenter(s): David Griffin

Herzfeld, M, Gillibrand, P; Model optimization through development: the eReefs example; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra, Presenter(s): Mike Herzfeld

Jones, EM, Baird, ME, Herzfeld, M, Oke, PR, Mongin, M, Parslow, J, King, E, Skerratt, J, Wild-Allen, K, Robson, B, Margvelashvili, N, Andrewartha, J; eReefs data assimilation - from the hydrodynamics to the biogeochemistry; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra, Presenter(s): Emlyn Jones

Clementson, L, King, E, Hardman-Mountford, NJ, et, al.; Distribution of Phytoplankton Functional Types (PFTs) in the low productivity water off Western Australia - a comparison of satellite and in situ methods; Ocean Optics XXII, 26/10/2014 - 31/10/2014, Portland, Presenter(s): L Clementson

Watson, C, White, N, Church, JA, Beardsley, J, Legresy, B, King, M; Update results from the Australian in-situ calibration sites: Bass Strait and Storm Bay; Ocean Surface Topography Science Team (OSTST) Meeting, 27/10/2014 - 31/10/2014, Lake Constance, Presenter(s): Chris Watson

Watson, C, White, N, Church, JA, King, M, Burgette, R; Refining satellite era estimates of global mean sea level rise; Geography and Spatial Sciences Conference, 25/11/2014 - 26/11/2014, Hobart, Presenter(s): Chris Watson

Book, JW, Pequignet, C, MacDonald, HS, Jones, N, Lowe, R, Ivey, GN, Rice, AE, Rowley, C, Brinkman, R, Steinberg, C, Strutton, P, Smith, S; Observations and modelling of the North West shelf of Australia during Austral Summer 2011/2012; European Geosciences Union (EGU) General Assembly, 12/04/2015 - 17/04/2015, Vienna, Presenter(s): Jeff Book

Zibordi, G; JRC Agency Report; 39th CEOS Working Group on Calibration and Validation Plenary, 06/05/2015 - 08/05/2015, Berlin, Presenter(s): Giuseppe Zibordi

Schroeder, T, King, E, Steven, A, Brando, V, Dekker, AG; Towards continental-scale operational ocean and coastal monitoring using earth observation data in Australia; Blue Planet Symposium, 27/05/2015 - 29/05/2015, Cairns, Presenter(s): Thomas Schroeder

Steven, A, Clementson, L, King, E, Hodge, J, Schroeder, T, Hardman-Mountford, NJ; ChloroGIN and other ocean colour developments in Australia; Blue Planet Symposium, 27/05/2015 - 29/05/2015, Cairns, Presenter(s): Andy Steven

Legresy, B, Watson, C, Church, JA, White, N, Trebaul, J-P, Beardsley, J, Andrewartha, J; Satellite altimetry calibration/validation at the Australian Bass Strait site in the context of the new missions: Jason-3 and Sentinel-3; International Union of Geophysics and Geology (IUGG) General Assembly, 22/06/2015 - 02/07/2015, Prague, Presenter(s): Chris Watson

Schaeffer, A, Roughan, M; Influence of a western boundary current on shelf dynamics, upwelling and bio-physical variability from repeat glider deployments; International Union of Geophysics and Geology (IUGG) General Assembly, 22/06/2015 - 02/07/2015, Prague, Presenter(s): Amandine Schaeffer

Schaeffer, A, Roughan, M, Wood, JE; Cross-shelf dynamics, bottom boundary layer transport and upwelling on the continental shelf adjacent to the East Australian Current; International Union of Geophysics and Geology (IUGG) General Assembly, 22/06/2015 - 02/07/2015, Prague, Presenter(s): Amandine Schaeffer

van Sebille, E, Bull, C, Cetina-Heredia, P, Ypma, S, Roughan, M, England, MH; Variability in the Australian Boundary Currents: connecting the East Australian and Leeuwin Currents; International Union of Geophysics and Geology (IUGG) General Assembly, 22/06/2015 - 02/07/2015, Prague, Presenter(s): Erik van Sebille

Watson, C, White, N, Church, JA, King, M, Burgette, R, Legresy, B; Assessing the rate of GMSL change over the satellite era; International Union of Geophysics and Geology (IUGG) General Assembly, 22/06/2015 - 02/07/2015, Prague, Presenter(s): Chris Watson

Baird, ME, Mongin, M, Jones, EM; An integrating observational and modelling systems for the management of the Great Barrier Reef; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Mark Baird

Clementson, L, Lynch, T, Kelly, P, Moore, D, Kay, R; A systematic approach to providing high quality bio-optical data streams from moored observing systems over broad spatial and temporal scales - part II; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): L Clementson

Courtney, T, Spillman, CM; Coastal and oceanographic influences on the Queensland (Australia) east coast saucer scallop (*Amusium balloti*) fishery; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Tony Courtney

Davies, P, Potts, J, Sutherland, M, et. al.; Where does all the mud go?; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Peter Davies

Doubell, M, Redondo-Rodriguez, A, James, C, Carrol, J, Watson, P, Ward, T; Predictability of South Australian sardine habitat distribution; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Mark Doubell

Everett, JD, Smith, J, Suthers, I, Taylor, M; Eastern king prawn dispersal in eastern Australia: new information from particle tracking; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Jason Everett

Feng, M, Benthuisen, J, Slawinski, D; Freshening of the Indonesian throughflow and the Leeuwin Current during the 2010-11 La Nina/Ningaloo Nino; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Ming Feng

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

Malthus, T; Where next with earth observation of coastal water quality?; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Tim Malthus

Wellington, M, Beckley, L, Olivar, P; Macro-zooplankton availability for foraging seabirds and the influence of meso-scale oceanographic features; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Max Wellington

Wild-Allen, K, Rayner, M, Baird, ME; Fine-scale nutrient observations confirm simulated biogeochemical variability in estuarine, coastal and shelf systems; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Karen Wild-Allen

Baird, ME, Herzfeld, M, Wild-Allen, K, Margvelashvili, N, Skerratt, J, Mongin, M, Jones, EM, Rizwi, F, Robson, B; A coupled hydrodynamic, optical, sediment, biogeochemical model of coastal waters of the Great Barrier Reef: system behaviour and assessment; Australian Meteorological & Oceanographic Society (AMOS) Conference, 15/07/2015 - 17/07/2015, Brisbane, Presenter(s): Mark Baird

Benthuisen, J, Brinkman, GW, Tonin, H, Steinberg, C; Cool near-bottom intrusions in the Central Great Barrier Reef; Australian Meteorological & Oceanographic Society (AMOS) Conference, 15/07/2015 - 17/07/2015, Brisbane, Presenter(s): Jessica Benthuisen

Church, JA; Sea-level change: a scientific and social challenge for the 21st century; Australian Meteorological & Oceanographic Society (AMOS) Conference, 15/07/2015 - 17/07/2015, Brisbane, Presenter(s): John Church

Johnson, R; Biogeophysical remote sensing of the Great Barrier Reef; Australian Meteorological & Oceanographic Society (AMOS) Conference, 15/07/2015 - 17/07/2015, Brisbane, Presenter(s): Robert Johnson

Keating, S; Estimating mixing by submesoscale eddies using super-resolved satellite images; Australian Meteorological & Oceanographic Society (AMOS) Conference, 15/07/2015 - 17/07/2015, Brisbane, Presenter(s): Shane Keating

Menezes, V, Phillips, H; Sea Surface salinity maximum of the South Indian ocean from Aquarius and IMOS satellites, ARGO and RAMA data; Australian Meteorological & Oceanographic Society (AMOS) Conference, 15/07/2015 - 17/07/2015, Brisbane, Presenter(s): Viviane Menezes

Schaeffer, A, Roughan, M; Influence of the East Australian Current on shelf dynamics, upwelling and bio-physical variability from repeat glider deployments; Australian Meteorological & Oceanographic Society (AMOS) Conference, 15/07/2015 - 17/07/2015, Brisbane, Presenter(s): Amandine Schaeffer

Skerratt, J, Baird, ME, Mongin, M, Robson, B, Rizwi, F, Wild-Allen, K; The eReefs marine model suite: tools for better quantifying and understanding the Great Barrier Reef circulation and water quality; Australian Meteorological & Oceanographic Society (AMOS) Conference, 15/07/2015 - 17/07/2015, Brisbane, Presenter(s): Jenny Skerratt

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

Everett, JD, Smith, JA, Suthers, I, Taylor, M; Eastern king prawn dispersal in Eastern Australia: new information from particle tracking; Australian Society for Fish Biology Conference, 11/10/2015 - 14/10/2015, Sydney, Presenter(s): Jason Everett

Watson, C, Legresy, B, Church, JA, Beardsley, J, King, M, Santamaria-Gomez, A; Absolute bias estimates from the Australian in situ sites; Ocean Surface Topography Science Team (OSTST) Meeting, 20/10/2015 - 23/10/2015, Reston, Presenter(s): Chris Watson

Watson, C, Legresy, B, Church, JA, King, M, Santamaria-Gomez, A; Assessing satellite era sea level change using tide gauges and estimates of land motion; Ocean Surface Topography Science Team (OSTST) Meeting, 20/10/2015 - 23/10/2015, Reston, Presenter(s): Chris Watson

Clementson, L, Richardson, A, Davies, C, Schroeder, T; Data, data everywhere - how to access phytoplankton taxonomic and pigment composition data for the Australian region; 29th Australasian Society for Phycology and Aquatic Botany Conference, 04/11/2015 - 06/11/2015, Hobart, Presenter(s): L Clementson

Beggs, H, Griffin, C, Majewski, L, King, E, Sisson, J; IMOS SST products suitable for near coastal applications; Australian Meteorological and Oceanographic Society (AMOS) Conference, 08/02/2016 - 11/02/2016, Melbourne, Presenter(s): Helen Beggs

Brassington, GB, Colberg, F, Sandery, PA, Sakov, P; An operational coastal ocean forecasting system for the Great Barrier Reef; Australian Meteorological and Oceanographic Society (AMOS) Conference, 08/02/2016 - 11/02/2016, Melbourne, Presenter(s): Frank Colberg

Minnett, P, Zhu, X, Beggs, H, Steinberg, C; Satellite remote sensing of sea-surface temperature over the Great Barrier Reef; Ocean Sciences Meeting, 21/02/2016 - 26/02/2016, New Orleans, Presenter(s): Peter Minnett

Hardman-Mountford, NJ; Australian ocean colour activities; 21st IOCCG Committee Meeting, 01/03/2016 - 03/03/2016, Santa Monica, Presenter(s): Nick Hardman-Mountford

Jamet, C; Atmospheric correction in coastal waters; 21st IOCCG Committee Meeting, 01/03/2016 - 03/03/2016, Santa Monica, Presenter(s): Cedric Jamet

Legresy, B, Watson, C; Opportunities for SWOT Cal/Val around Australia; Surface Water and Ocean Topography (SWOT) Science Team Meeting, 13/06/2016 - 17/06/2016, Pasadena

Watson, C, Legresy, B; SWOT Cal/Val around Australia; Surface Water and Ocean Topography (SWOT) Science Team Meeting, 13/06/2016 - 17/06/2016, Pasadena, Presenter(s): P Bonnefond

Roughan, M, Keating, S, Schaeffer, A, Cetina-Heredia, P; An observational study of the biophysical characteristics of two contrasting cyclonic eddies in the East Australian Current system; NZMSS and AMSA Sharing Ocean Resources - Now and in the future, 04/07/2016 - 07/07/2016, Wellington, Presenter(s): Moninya Roughan

Spencer, D, Brown, IW, Lemkert, C, Lee, SY; Could upwelling be enhancing short-term spanner crab (*Ranina ranina*) catchability?; NZMSS and AMSA Sharing Ocean Resources - Now and in the future, 04/07/2016 - 07/07/2016, Wellington, Presenter(s): David Spencer

Spillman, CM, Hobday, A, Eveson, P, Hartog, JR; Seasonal forecasting for decision support in marine fisheries and aquaculture; NZMSS and AMSA Sharing Ocean Resources - Now and in the future, 04/07/2016 - 07/07/2016, Wellington, Presenter(s): Claire Spillman

Spillman, CM, Wachenfeld, D, Pearce, A, Pears, R; It's getting hot in here: Monitoring and predicting this summer's bleaching event on the Great Barrier Reef; NZMSS and AMSA Sharing Ocean Resources - Now and in the future, 04/07/2016 - 07/07/2016, Wellington, Presenter(s): Claire Spillman

Steinberg, C, Benthuyssen, 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

Schroeder, T, Qiu, Y, Malthus, T; Coastal atmospheric correction for Himwari-8 and IMOS validation support; 2nd GEO-LEO Applications Workshop, 01/09/2016 - 01/09/2016, Tokyo, Presenter(s): Thomas Schroeder

Cahill, M; IMOS OceanCurrent web site; Australian Society for Fish Biology (ASFB) and Oceania Chondrichthyan Society (OCS) 2016, 04/09/2016 - 07/09/2016, Hobart, Presenter(s): Madeleine Cahill

Hobday, A; Looking into the future: seasonal to multi-year forecasts for fish and fisheries; Australian Society for Fish Biology (ASFB) and Oceania Chondrichthyan Society (OCS) 2016, 04/09/2016 - 07/09/2016, Hobart, Presenter(s): Alastair Hobday

Lara-Lopez, A; Long-term observing systems: what is on offer in Australia and can it improve my science?; Australian Society for Fish Biology (ASFB) and Oceania Chondrichthyan Society (OCS) 2016, 04/09/2016 - 07/09/2016, Hobart, Presenter(s): Ana Lara-Lopez

Middleton, J; Physics to fisheries: IMOS data enables; Australian Society for Fish Biology (ASFB) and Oceania Chondrichthyan Society (OCS) 2016, 04/09/2016 - 07/09/2016, Hobart, Presenter(s): John Middleton

Miskiewicz, AG; Comparison of fish larvae communities in a young versus an old frontal eddy of the East Australian Current in relation to possible source waters; Australian Society for Fish Biology (ASFB) and Oceania Chondrichthyan Society (OCS) 2016, 04/09/2016 - 07/09/2016, Hobart

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

Malthus, T; CSIRO agency report on Cal/Val activities; 41st CEOS Working Group on Calibration and Validation Plenary, 05/09/2016 - 07/09/2016, Tokyo, Presenter(s): Tim Malthus

Sundarabalan, B, Jamet, C, Bailey, S, Brajard, J, He, X, Ruddick, K, Schroeder, T, Shanmugam, P, Stamnes, K, Sterckx, S, Wang, M; Atmospheric correction over complex turbid waters; Ocean Optics XXIII Conference, 23/10/2016 - 28/10/2016, Victoria, Presenter(s): b Sundarabalan

Steinberg, C, Benthuyzen, J, Tonin, H, et, al.; Marine heat wave leading to a mass coral bleaching event on the Great Barrier Reef: from monitoring to modelling; AMOS/MSNZ Conference and ANZ Climate Forum 2017, 07/02/2017 - 10/02/2017, Canberra, Presenter(s): Craig Steinberg

Woizniak, M, Baird, ME, Schroeder, T, Clementson, L, Jones, EM; Variation of optical properties at Lucinda Jetty Coastal Observatory and its input into an optical model of coastal waters in Great Barrier Reef region; European Geosciences Union (EGU) General Assembly, 23/04/2017 - 28/04/2017, Vienna, Presenter(s): Monika Woizniak

Watson, C, Chen, X, Zhang, X, Church, JA, King, M, Monselesan, D, Legresy, B; The increasing rate of global mean sea level rise over the satellite era; School of Land and Food Research Conference, 13/06/2017 - 15/06/2017, Hobart, Presenter(s): Chris Watson

Antoine, D, Schroeder, T, et, al.; The Australian Integrated Marine Observing System (IMOS) radiometry task team: a community effort towards improved field ocean colour measurements; Australian Marine Science Association Conference, 02/07/2017 - 06/07/2017, Darwin, Presenter(s): David Antoine

Antoine, D; Why would "satellite remote sensing scientists" spend time doing fieldwork?; Australian Marine Science Association Conference, 02/07/2017 - 06/07/2017, Darwin, Presenter(s): David Antoine

Clementson, L; 4 years of observational data from LICO; an assessment of the bio-optical variability in GBR coastal waters; Australian Marine Science Association Conference, 02/07/2017 - 06/07/2017, Darwin, Presenter(s): L Clementson

Govekar, P; Use of ACSP0 VIIRS L3U SST in the Australian Bureau of Meteorology; Australian Marine Science Association Conference, 02/07/2017 - 06/07/2017, Darwin, Presenter(s): Pallavi Govekar

Huang, Z; Use of MODIS data to investigate the spatial and temporal variability of the Bonney upwelling in the past 14 years; Australian Marine Science Association Conference, 02/07/2017 - 06/07/2017, Darwin, Presenter(s): Zhi Huang

Schroeder, T, Clementson, L, Woizniak, M, Baird, ME, et, al.; Four years of observational data from the Lucinda Jetty Coastal Observatory (LJCO): An assessment of the bio-optical variability in GBR coastal waters; Australian Marine Science Association Conference, 02/07/2017 - 06/07/2017, Darwin, Presenter(s): Thomas Schroeder

Skerratt, J; Changes in water quality from 2010 to 2016 throughout the Great Barrier Reef; Australian Marine Science Association Conference, 02/07/2017 - 06/07/2017, Darwin, Presenter(s): Mathieu Mongin

Skerratt, J; Integrating models into water quality decisions; Australian Marine Science Association Conference, 02/07/2017 - 06/07/2017, Darwin, Presenter(s): Jenny Skerratt

Smith, G; Sea Surface Temperature Forecasts for evaluating Coral Bleaching Risk in the Great Barrier Reef; Australian Marine Science Association Conference, 02/07/2017 - 06/07/2017, Darwin, Presenter(s): Grant Smith

Tonin, H; Mass Coral bleaching in the far northern region of the Great Barrier Reef and Torres Strait – a numerical modelling study; Australian Marine Science Association Conference, 02/07/2017 - 06/07/2017, Darwin, Presenter(s): Hemerson Tonin

Conference Poster

Turner, P, King, E; The Australian Oceans DAAC; eResearch Australasia, 26/06/2007 - 28/06/2007, Brisbane

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

Bainbridge, S, Steinberg, C, Heron, M, Rigby, P; The role of observation systems in coral reef monitoring and management; 2009 Joint Assembly, 24/05/2009 - 27/05/2009, Toronto

Steinberg, C, McAllister, F, McLean, CM, Brinkman, GW, Pitcher, C, Luetchford, J, Rigby, P; The Great Barrier Reef Ocean Observing System: monitoring the Western Boundary Currents of the Coral Sea and impacts on the Great Barrier Reef; Australian Marine Science Association Conference, 05/07/2009 - 09/07/2009, Adelaide

Beggs, H, Gentemann, C, Steinle, P; Real-time skin sea surface temperature analyses for quality control of data assimilated into NWP models; 5th World Meteorological Organisation Symposium on Data Assimilation of Observations in Meteorology, Oceanography and Hydrology, 05/10/2009 - 09/10/2009, Melbourne

Suber, K, King, E, Smith, G, Paget, M, Blain, P; Building the semantic web for gridded data ; eResearch Australasia, 08/11/2010 - 12/11/2010, Gold Coast, Presenter(s): Edward King

Kelly, SM, Jones, N, Ivey, GN, Brinkman, R, Lowe, R; Internal tides in the Timor Sea and on the Australian North West Shelf ; Australian Marine Science Association Conference, 03/07/2011 - 07/07/2011, Fremantle, Presenter(s): Samuel Kelly

Castro, S, Wick, G, Beggs, H; Comparisons of observed and predicted diurnal warming in the Tropical Warm Pool using simplified parameterizations; GHRSSST Joint Workshop on Tropical Warm Pool and High Latitude SST Issues, 05/03/2012 - 09/03/2012, Melbourne

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

Zhong, L, Feng, M; Upper ocean heat balance off the West Coast of Australia; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): Liejun Zhong

Watson, C, White, N, Church, JA, King, M, Burgette, R; Improving the tide gauge validation for the altimeter sea level climate record; Ocean Surface Topography Science Team (OSTST) 2013 Meeting, 08/10/2013 - 11/10/2013, Boulder, Presenter(s): Chris Watson

Watson, C, White, N, Church, JA, King, M, Burgette, R; Validating the satellite altimeter sea level climate record; American Geophysical Union (AGU) Fall Meeting , 09/12/2013 - 13/12/2013, San Fransisco, Presenter(s): Chris Watson

Feng, M, Lumley, M; Shelf temperature observations off Rottneest, Western Australia since 1950; Australian Meteorological and Oceanographic Society (AMOS) Conference, 12/02/2014 - 14/02/2014, Hobart, Presenter(s): Ming Feng

Luick, J, Mao, Y; Circulation in the Southern Great Barrier Reef studied through an integration of multiple remote sensing and in-situ measurements; Australian Meteorological and Oceanographic Society (AMOS) Conference, 12/02/2014 - 14/02/2014, Hobart, Presenter(s): John Luick

Menezes, V, Phillips, H, Schiller, A, Bindoff, N, Domingues, CM; Eastward currents of the South Indian Ocean and associated fronts; Australian Meteorological and Oceanographic Society (AMOS) Conference, 12/02/2014 - 14/02/2014, Hobart, Presenter(s): Viviane Menezes

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

Hardman-Mountford, NJ, Greenwood, J, Dufois, F, Trull, T; Using biogeochemical models to optimise sampling design for biogeochemical profiling float arrays; Advances in Marine Ecosystem Modelling Research, 30/06/2014 - 03/07/2014, Plymouth, Presenter(s): Nick Hardman-Mountford

Kelly, P, Clementson, L, Swadling, K; Drivers of Eastern Australia zooplankton community composition: emphasis on the distribution patterns at Maria Island; Australian Marine Science Association Conference, 07/07/2014 - 11/07/2014, Canberra, Presenter(s): Paige Kelly

Colberg, F, Slawinski, D, Feng, M; A higher resolution model of shelf circulation and marine connectivity of the north-west shelf; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra

Kerry, C, Roughan, M, Powell, B; A high resolution re-analysis for the East Australian Current; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra

Robson, B, Rizwi, F, Geoffroy, L, Brebion, J, Baird, ME, Skerratt, J, Mongin, M, Wild-Allen, K, Jones, EM, Margvelashvili, N, Herzfeld, M; The eReefs relocatable biogeochemical model (RECOM) and its parameter libraries; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra

Schaeffer, A, Roughan, M; Marine Virtual Laboratory (MARVL) high-resolution ROMS test: the East Australian Current at 30 degrees South in Solitary Island Marine Park (SIMP) ; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra

Verspecht, F, Mihanovic, H, Pattiaratchi, C; Sea breeze force near-inertial waves on Rottneest Shelf, Western Australia; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra

Wijeratne, S, Pattiaratchi, C, Proctor, R; Estimates of alongshore and cross-shelf transports around Australia; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra, Presenter(s): Sarath Wijeratne

Doblin, MA, van Dongen-Vogels, V, Robinson, C, Ralph, P, Everett, JD, McLaughlin, J, Cherukuru, N, King, E, Hardman-Mountford, NJ, Thompson, P; First comparative assessment of primary production estimates in Australian coastal waters from carbon and chlorophyll based satellite models; Ocean Optics XXII, 26/10/2014 - 31/10/2014, Portland, Presenter(s): M Doblin

Hardman-Mountford, NJ, Trull, T, Greenwood, J, Dufois, F, Ravichandran, M; Bio-optical characterisation of biogeochemical hotspots in the Indian Ocean using profiling floats; Ocean Optics XXII, 26/10/2014 - 31/10/2014, Portland, Presenter(s): Nick Hardman-Mountford

Hardman-Mountford, NJ, Trull, T, Greenwood, J, Dufois, F, Ravichandran, M; Bio-optical observing of the interior Indian Ocean: developing a bio-Argo network; Blue Planet Symposium, 27/05/2015 - 29/05/2015, Cairns, Presenter(s): Nick Hardman-Mountford

King, E, Hardman-Mountford, NJ, Hodge, J; ChloroGIN: developments for the Australasian and Indonesian Seas Region; Blue Planet Symposium, 27/05/2015 - 29/05/2015, Cairns, Presenter(s): Edward King

Hardman-Mountford, NJ, Greenwood, J, Dufois, F, Slawinski, D, Ravichandran, M, et, al.; Integration of bio-optical profiling floats within an Indian Ocean biogeochemical observing system; International Ocean Colour Science Meeting, 15/06/2015 - 18/06/2015, San Fransisco, Presenter(s): Nick Hardman-Mountford

Beggs, H, Majewski, L, Griffin, C, King, E, Sisson, J; 23 years of sea surface temperature products from IMOS; 16th GHRST Science Team Meeting, 20/07/2015 - 24/07/2015, Noordwyk, Presenter(s): Helen Beggs

Zhang, H, Beggs, H, Majewski, L, Huang, X, Kiss, A; Investigating sea surface temperature diurnal variation over the tropical warm pool using MTSAT-1R data; 16th GHRST Science Team Meeting, 20/07/2015 - 24/07/2015, Noordwyk, Presenter(s): Helen Beggs

Beggs, H, Majewski, L, Griffin, C, King, E, Sisson, J; 23 years of sea surface temperature products from IMOS ; Australian Forum for Operational Oceanography, 21/07/2015 - 23/07/2015, Fremantle, Presenter(s): Helen Beggs

Cahill, M, Griffin, DA; IMOS OceanCurrent gridded sea level and ocean surface velocity; Australian Forum for Operational Oceanography, 21/07/2015 - 23/07/2015, Fremantle, Presenter(s): Madeleine Cahill

King, E, Scott, R; Near real time satellite SST for decision making; Australian Forum for Operational Oceanography, 21/07/2015 - 23/07/2015, Fremantle, Presenter(s): Edward King

Middleton, J, Schulz, E, et, al.; eSAMarine - phase 1: the first step towards an operational now-cast/forecast ocean prediction system for Southern Australia; Australian Forum for Operational Oceanography, 21/07/2015 - 23/07/2015, Fremantle, Presenter(s): John Middleton

Schroeder, T, King, E, Scott, R; IMOS foundational ocean colour time series products for Australia; Australian Forum for Operational Oceanography, 21/07/2015 - 23/07/2015, Fremantle, Presenter(s): Thomas Schroeder

Skerratt, J, Baird, ME, Mongin, M, Robson, B, Rizwi, F, Wild-Allen, K; The eReefs marine model suite: tools for better quantifying and understanding the Great Barrier Reef circulation and water quality; Australian Forum for Operational Oceanography, 21/07/2015 - 23/07/2015, Fremantle, Presenter(s): Jenny Skerratt

Jones, EM, Margvelashvili, N, Mongin, M, et, al.; Integrating observational and modelling systems for the management of the Great Barrier Reef; Ocean Sciences Meeting, 21/02/2016 - 26/02/2016, New Orleans, Presenter(s): Emlyn Jones

Bassani, C, Cazzaniga, I, Manzo, C, et, al.; Atmospheric and adjacency correction of Landsat-8 imagery of inland and coastal waters near AERONET-OC sites; ESA Living Planet Symposium, 09/05/2016 - 13/05/2016, Prague

Zhang, H, Beggs, H, Wang, XH, Kiss, A, Griffin, C; Seasonal patterns of sea surface temperature diurnal variation over the Tropical Warm Pool region; 17th GHRST Science Team Meeting, 06/06/2016 - 10/06/2016, Washington DC, Presenter(s): Helen Beggs

Spencer, D, Brown, IW, Lemkert, C; A new perspective on the effects of ambient temperature on spanner crab (*Ranina ranina*) catchability in South East Queensland; 13th Annual Meeting, Asia Oceania Geosciences Society (AOGS), 31/07/2016 - 05/08/2016, Beijing, Presenter(s): David Spencer

Beggs, H, Griffin, C, Majewski, L, King, E, Sisson, J; IMOS sea surface temperature products suitable for near-coastal applications; Australian Coastal and Oceans Modelling and Observations (ACOMO) Workshop, 11/10/2016 - 12/10/2016, Canberra

Reid, P, Sloyan, B, Spillman, CM, Argent, R; SST in Australia EEZ; Australian Coastal and Oceans Modelling and Observations (ACOMO) Workshop, 11/10/2016 - 12/10/2016, Canberra

Ribbat, N, Roughan, M, Powell, B; Mean circulation on the continental shelf off South-East Australia 31.5-34.5: the Hawkesbury Bioregion 2012-2013; Australian Coastal and Oceans Modelling and Observations (ACOMO) Workshop, 11/10/2016 - 12/10/2016, Canberra

Rocha, C, Edwards, CA, Kerry, C, Roughan, M; Towards biogeochemical modelling of the EAC; Australian Coastal and Oceans Modelling and Observations (ACOMO) Workshop, 11/10/2016 - 12/10/2016, Canberra

Clementson, L, Lynch, T, Kelly, P, Moore, D, Kay, R, Schroeder, T; Providing high quality chlorophyll-a data streams from moored observing systems over broad spatial and temporal scales ; Ocean Optics XXIII Conference, 23/10/2016 - 28/10/2016, Victoria, Presenter(s): L Clementson

Antoine, D, Schroeder, T, Botha, N, et, al.; The Australian Integrated Marine Observing System (IMOS) radiometry task team: a community effort towards improved field ocean colour measurements; International Ocean Colour Science Meeting, 15/05/2017 - 18/05/2017, Lisbon, Presenter(s): David Antoine

Ishak, NHBA; The summer of salps: Do warmer seas promote Thaliacea blooms in Storm Bay, Tasmania? ; Graduate Research Conference: Sharing Excellence in Research, University of Tasmania, Hobart, Presenter(s): Nurul Huda Binti Ahmad Ishak

Course Presentation

Paltoglou, G, Beggs, H, Majewski, L; New Australian high resolution AVHRR SST products from the Integrated Marine Observing System; Australian Remote Sensing and Photogrammetry Conference, 13/09/2010 - 17/09/2010, Alice Springs, Presenter(s): George Paltoglou

Key Note Speaker

Beggs, H, Majewski, L, Paltoglou, G; Use of thermal infrared from space in operational systems; Oceans from Space, 26/04/2010 - 30/04/2010, Venice

Watson, C; Space Geodesy: Current techniques, challenges and some unsolved problems; Engineering Mathematics and Applications Conference (EMAC), 04/12/2011 - 07/12/2011, Sydney, Presenter(s): Chris Watson

Meeting Presentation

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

Majewski, L; Status of SSES at the Bureau of Meteorology; 9th GHRSS-PP Science Team Meeting, 09/06/2008 - 13/06/2008, Perros-Guirec, Presenter(s): Leon Majewski

Beggs, H, Majewski, L, Andreu-Burillo, I, Paltoglou, G, Verein, R; Report to GHRSS10 from Australia - BLUElink and IMOS; 10th GHRSS Science Team Meeting, 01/06/2009 - 01/06/2009, Santa Rosa, Presenter(s): Helen Beggs

Brando, V, Dekker, AG, Schroeder, T, Blondeau-Patissier, D, Park, Y-J, Clementson, L, Cherukuru, N, Daniel, P; Optical complexity of the coastal waters of the Great Barrier Reef: Strategies to incorporate regional and seasonal knowledge of optical properties; Ocean Sciences Meeting, 22/02/2010 - 26/02/2010, Portland

Watson, C, White, N, Church, JA, Burgette, R, Tregoning, P, Coleman, R; In-situ calibration: the potential benefits of single-pass, multi-site, data collection; Ocean Surface Topography Science Team (OSTST) Meeting, 18/10/2010 - 22/10/2010, Lisbon

Watson, C, White, N, Church, JA, Burgette, R, Tregoning, P, Coleman, R; Updated results from the in situ calibration site in Bass Strait, Australia; Ocean Surface Topography Science Team (OSTST) Meeting, 18/10/2010 - 22/10/2010, Lisbon

Brando, V; Overview of the AERONET-OC LJCO site and IMOS SRS-OC Cal/Val activities; 23rd CEOS Calibration and Validation Working Group Meeting, 19/10/2010 - 19/10/2010, Ispra, Presenter(s): Vittorio Brando

Brando, V; Use of overview of the AERONET-OC LICO data for Cal/Val activities; Hyperspectral Imager for the Coastal Ocean (HICO), First Users Meeting, 22/02/2011 - 22/02/2011, Alexandria, Presenter(s): Vittorio Brando

Beggs, H, Majewski, L, LeBorgne, P, Harris, A, Merchant, C, Paltoglou, G; GHRST Tropical Warm Pool Diurnal Variability Project (TWP+); 12th GHRST Science Team Meeting, 27/06/2011 - 01/07/2011, Edinburgh, Presenter(s): Helen Beggs

Bondarenko, O, Pattiaratchi, C, Hanson, CE, Gavrilov, AS, Feng, M; The behavioural ecology of pygmy blue whales in the Perth Canyon; WAIMOS Annual Science Meeting, 05/11/2012 - 05/11/2012, University of Western Australia, Perth, Presenter(s): Olga Bondarenko

Raes, E, McInnes, AS, Grierson, P, Strutton, P, Phillips, H, Waite, A; Nitrogen fixation in the eastern Indian Ocean; WAIMOS Annual Science Meeting, 05/11/2012 - 05/11/2012, University of Western Australia, Perth, Presenter(s): Eric Raes

Raes, E, McInnes, AS, Strutton, P, Phillips, H, Waite, A; Dinitrogen fixation along the coast of WA and the usage of IMOS data; WAIMOS Science and Data Uptake Workshop, 05/11/2012 - 05/11/2012, Perth, Presenter(s): Eric Raes

Brando, V; Ocean colour validation in Australian waters; Bluewater & Climate Node Science Meeting, 28/11/2012 - 29/11/2012, Hobart, Presenter(s): Vittorio Brando

King, E; National remote sensing data sets; Bluewater & Climate Node Science Meeting, 28/11/2012 - 29/11/2012, Hobart, Presenter(s): Edward King

Schroeder, T; National remote sensing data sets; QIMOS Node Meeting, 07/12/2012 - 07/12/2012, Brisbane, Presenter(s): Thomas Schroeder

Schroeder, T; Ocean colour validation in Australian waters; QIMOS Node Meeting, 07/12/2012 - 07/12/2012, Brisbane, Presenter(s): Thomas Schroeder

King, E, Brando, V; IMOS¹ optical remote sensing observations; BioOptical Working Group Meeting, Brisbane, Presenter(s): Edward King

Brando, V, Lovell, J, King, E, Keen, R, Daniel, P, McKenzie, D, Woodward, L, Palmer, R, Mills, D, Besnard, L, Slivkoff, M, Klonowski, W; Autonomous ship based ocean colour observations on Australian research vessels; International Ocean Colour Science Meeting, 06/05/2013 - 08/05/2013, Darmstadt, Presenter(s): Vittorio Brando

King, E, Brando, V, Clementson, L, Lovell, J, Franklin, H, Anstee, J, Besnard, L; Ocean colour in Australia's Integrated Marine Observing System; International Ocean Colour Science Meeting, 06/05/2013 - 08/05/2013, Darmstadt, Presenter(s): Edward King

Miles, E, Spillman, CM, McIntosh, P, Church, JA; Seasonal sea-level anomaly predictions in the Western Pacific; Asia-Oceania Geosciences Society Annual Meeting, 24/06/2013 - 28/06/2013, Brisbane, Presenter(s): Claire Spillman

Watson, C, White, N, Church, JA, Beardsley, J, King, M, Coleman, R; Ongoing monitoring of absolute bias from the Australian in-situ calibration sites: Bass Strait and Storm Bay; Ocean Surface Topography Science Team (OSTST) 2013 Meeting, 08/10/2013 - 11/10/2013, Boulder, Presenter(s): Chris Watson

Clementson, L; The IMOS ocean colour sub-facility: a brief update on activities; IMOS Bio-Optical Working Group Meeting, 10/12/2013 - 10/12/2013, Hobart, Presenter(s): L Clementson

Hardman-Mountford, NJ, Clementson, L, Kelly, P, King, E, Mueller, H, Terhorst, A, Brando, V; Australian waters earth observation phytoplankton-type products; IMOS Bio-Optical Working Group Meeting, 10/12/2013 - 10/12/2013, Hobart, Presenter(s): Nick Hardman-Mountford

Steinberg, C, Brinkman, R, Babcock, R, Wild-Allen, K; Q-IMOS and eReefs update; FRDC project 2013/020 Physical Oceanographic Influences on Queensland Reef Fish and Scallops. Steering Committee Meeting, 13/12/2013 - 13/12/2013, Brisbane, Presenter(s): Craig Steinberg

Steinberg, C; Queensland Integrated Marine Observing System (Q-IMOS); FRDC project 2013/020 Physical Oceanographic Influences on Queensland Reef Fish and Scallops. Steering Committee Meeting, 13/12/2013 - 13/12/2013, Brisbane, Presenter(s): Craig Steinberg

Antoine, D; Ocean colour activities within the Australian bio-optical community; 19th IOCCG Committee Meeting , 28/01/2014 - 30/01/2014, Cape Town, Presenter(s): David Antoine

Beggs, H; GHRSSST Satellite SST Products in BLUElink - Current and Future; BLUElink III Science Meeting, 06/05/2014 - 07/05/2014, Melbourne, Presenter(s): Helen Beggs

Schroeder, T; Atmospheric correction over optically complex waters; IOCCG Working Group Meeting on Intercomparison of atmospheric algorithms over optically complex waters, 14/05/2014 - 15/05/2014, Wimereux, Presenter(s): Thomas Schroeder

Beggs, H, Barton, I, Griffin, C, Majewski, L, Smith, G, Siddique, A; Report from Australia to GHRSSST-XV; 15th GHRSSST Science Team Meeting, 02/06/2014 - 06/06/2014, Cape Town, Presenter(s): Helen Beggs

Griffin, C, Beggs, H, Majewski, L; ABoM SSES - applying in situ regressed SSES to in situ regressed SST retrievals over the Australian region; 15th GHRSSST Science Team Meeting, 02/06/2014 - 06/06/2014, Cape Town, Presenter(s): Helen Beggs

Watson, C, White, N, Church, JA, King, M, Burgette, R; Refining satellite era estimates of global mean sea level rise; Australian Geodesy Meeting, 01/07/2014 - 02/07/2014, Canberra, Presenter(s): Chris Watson

Cancel, M, Watson, C, Haines, BJ, Bonnefond, P, Jeansou, E, Lyard, F, Femenias, P; Regional Cal/Val of Jason-2 and Envisat at three calibration sites: Corsica, Harvest and Bass Strait; Ocean Surface Topography Science Team (OSTST) Meeting, 27/10/2014 - 31/10/2014, Lake Constance, Presenter(s): Mathilde Cancel

Watson, C, Haines, BJ, Bonnefond, P, White, N, Church, JA, Legresy, B, Beardsley, J; Long term absolute calibration from the Harvest, Corsica and Bass Strait sites; Ocean Surface Topography Science Team (OSTST) Meeting, 27/10/2014 - 31/10/2014, Lake Constance, Presenter(s): Chris Watson

Watson, C, White, N, Church, JA, King, M, Burgette, R; Assessing the rate of GMSL change over the satellite era; Ocean Surface Topography Science Team (OSTST) Meeting, 27/10/2014 - 31/10/2014, Lake Constance, Presenter(s): Chris Watson

Hardman-Mountford, NJ, Greenwood, J, Dufois, F, Trull, T; Sampling strategies for an Indian Ocean bio-Argo programme; Indian Ocean Resources Forum (IRF) Meeting, 31/10/2014 - 31/10/2014, Phuket, Presenter(s): Nick Hardman-Mountford

Hardman-Mountford, NJ, Greenwood, J, Dufois, F, Trull, T; Sampling strategies for an Indian Ocean bio-Argo; Bay of Bengal LME Programme Meeting, 16/03/2015 - 20/03/2015, Bangkok, Presenter(s): Nick Hardman-Mountford

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; Ocean Observing Design on Coral Reefs and Archipelagos: 3 case studies Scott Reef, Indian Ocean, Great Barrier Reef & Palau; 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

Hardman-Mountford, NJ, Trull, T, Greenwood, J, Dufois, F, Slawinski, D, Ravichandran, M, et, al.; Australian and Indian bio-optical profiling float activities in the Indian Ocean; International Ocean Colour Science Meeting, 15/06/2015 - 18/06/2015, San Fransisco, Presenter(s): Nick Hardman-Mountford

Hardman-Mountford, NJ, Trull, T, Greenwood, J, Dufois, F, Slawinski, D, Ravichandran, M, et, al.; Australian and Indian bio-optical profiling float activities in the Indian Ocean; IMOS Bio-Optical Working Group Workshop, 01/07/2015 - 03/07/2015, Perth, Presenter(s): Nick Hardman-Mountford

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, Griffin, C, Majewski, L, Sisson, J; Report from the Australian RDAC to GHRSSST-XVI; 16th GHRSSST Science Team Meeting, 20/07/2015 - 24/07/2015, Noordwyk, Presenter(s): Helen Beggs

Watson, C, White, N, Church, JA, King, M, Burgette, R; Sea level rise; Surveying & Spatial Sciences Institute State Congress, 24/07/2015 - 24/07/2015, Hobart, Presenter(s): Chris Watson

Beggs, H, Griffin, C; Use of ACSPO VIIRS L3U SST in the Australian Bureau of Meteorology; Joint Polar Satellite System (JPSS) Annual Meeting, 24/08/2015 - 28/08/2015, College Park, Presenter(s): Alexander Ignatov

Steinberg, C, Williams, DK, McAllister, F, Rigby, P, Spagnol, S, Skirving, WJ, Bird, J, Brinkman, R; Queensland and Northern Australia's Integrated Marine Observing System and the tidal hydrodynamics of a coral bleaching event; Don Wallace Memorial Lecture Permanent Committee on Tides and Mean Sea Level, 02/11/2015 - 02/11/2015, Cairns, Presenter(s): Craig Steinberg

Schroeder, T; CSIROs future application plan for Himawari-8; Asia-Pacific Regional Space Agency Forum(APRSAF), Space application working group meeting, 01/12/2015 - 01/12/2015, Bali, Presenter(s): Thomas Schroeder

Schroeder, T; Updates from the IMOS ocean colour sub-facility and the ANMN bio-optics project; QC Summit, 07/03/2016 - 11/06/2016, Hobart, Presenter(s): Thomas Schroeder

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

Griffin, C; Harmonized quality assessments using GHRSSST SSES; 17th GHRSSST Science Team Meeting, 06/06/2016 - 10/06/2016, Washington DC, Presenter(s): Christopher Griffin

Schroeder, T; Preliminary user feedback on sentinel-3A data, L1 data quality and L2 validation in Australia; Sentinel-3A expert users meeting, 28/06/2016 - 30/06/2016, Frascati, Presenter(s): Thomas Schroeder

Beggs, H, Griffin, C, Govekar, P; Use of ACSPO VIIRS L3U SST in the Australian Bureau of Meteorology; STAR JPSS 2016 Annual Science Team Meeting, 08/08/2016 - 12/08/2016, Maryland, Presenter(s): Helen Beggs

Cancet, M, Bonnefond, P, Haines, BJ, et, al.; Regional in situ Cal/Val of satellite altimeter range at non-dedicated calibration sites; Ocean Surface Topography Science Team (OSTST) Meeting, 31/10/2016 - 04/11/2016, La Rochelle, Presenter(s): Mathilde Cancet

Watson, C, Legresy, B, Church, JA, King, M, Santamaria-Gomez, A; Validating the altimeter sea level record using tide gauges and estimates of land motion; Ocean Surface Topography Science Team (OSTST) Meeting, 31/10/2016 - 04/11/2016, La Rochelle, Presenter(s): Chris Watson

Watson, C, Legresy, B, King, M, Church, JA, Beardsley, J, Hetzel, Y; Altimeter absolute bias estimates from Bass Strait, Australia; Ocean Surface Topography Science Team (OSTST) Meeting, 31/10/2016 - 04/11/2016, La Rochelle, Presenter(s): Chris Watson

Malthus, T, Thankappan, M, Schroeder, T, Mitchell, R; Australian contributions to the Sentinel-2 Cal/Val effort; 1st Sentinel-2 Validation Team Meeting, 28/11/2016 - 29/11/2016, Frascati, Presenter(s): Tim Malthus

Hardman-Mountford, NJ; Australian ocean colour activities; IOCCG-22 Comittee Meeting, 07/02/2017 - 09/02/2017, Perth, Presenter(s): Nick Hardman-Mountford

Jamet, C; Status report of IOCCG working groups, atmospheric correction in coastal waters; IOCCG-22 Comittee Meeting, 07/02/2017 - 09/02/2017, Perth, Presenter(s): Cedric Jamet

Lerebourg, C; Ocean colour validation using MERMAID and Level-3 inter-comparisons; Sentinel-3 Validation Team Meeting, 14/02/2017 - 17/02/2017, Frascati, Presenter(s): C Lerebourg

Schroeder, T; Evaluation of Sentinel-3 OLCI level 2 products in Australian waters; Sentinel-3 Validation Team Meeting, 14/02/2017 - 17/02/2017, Frascati, Presenter(s): Thomas Schroeder

Jones, EM, Baird, ME, Mongin, M, et, al.; Use of remote-sensing reflectance to constrain a data assimilating marine biogeochemical model of the Great Barrier Reef; ASLO 2017 Aquatic Sciences Meeting, 26/02/2017 - 03/03/2017, Honolulu, Presenter(s): Emlyn Jones

Beggs, H, Govekar, P, Griffin, C, Majewski, L; Plans for new Himawari-8 and VIIRS SST Products from IMOS; Bluelink Science Meeting, 16/05/2017 - 17/05/2017, Melbourne, Presenter(s): Helen Beggs

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

Govekar, P, Griffin, C, Beggs, H, Majewski, L; Use of ACSP0 VIIRS L3U SSTs in the Australian Bureau of Meteorology; 18th GHRST Science Team Meeting, 05/06/2017 - 09/06/2017, Qingdao, Presenter(s): Pallavi Govekar

Zhang, H, Beggs, H, Wang, XH, Rodriguez, J, et, al.; Comparison of SST Diurnal Variation Models over the Tropical Warm Pool; 18th GHRST Science Team Meeting, 05/06/2017 - 09/06/2017, Qingdao, Presenter(s): Haifeng Zhang

Steinberg, C, Tonin, H, Herzfeld, M, et, al.; A Torres Strait and Northern Great Barrier Reef Persistent Thermal Refugia from Mass Coral Bleaching; 98th Annual Meeting American Association for the Advancement of Science Pacific Division, 19/06/2017 - 23/06/2017, Waimea, Presenter(s): Craig Steinberg

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

Plenary Address

Malthus, T, Dekker, AG, Held, A; CSIRO agency report; 37th CEOS Working Group on Calibration and Validation Plenary, 17/02/2014 - 20/02/2014, Frascati, Presenter(s): Tim Malthus

Malthus, T; CSIRO agency report; 38th CEOS Working Group on Calibration and Validation Plenary, 30/09/2014 - 02/10/2014, Maryland, Presenter(s): Tim Malthus

Session Chair

Trebaul, J-P; Satellite altimetry Cal/Val at the Australian Bass Strait site in the context of the new missions Jason-3 and Sentinel-3; CSIRO Public Seminar, 16/07/2015 - 16/07/2015, Commonwealth Scientific Industrial Research Organisation, Hobart, Presenter(s): J-P Trebaul

Symposium Presentation

Paltoglou, G, Majewski, L, Beggs, H; New Australian high resolution AVHRR SST Products from the Integrated Marine Observing System; 34th International Symposium on Remote Sensing of the Environment, 11/04/2011 - 15/04/2011, Sydney, Presenter(s): George Paltoglou

Clementson, L, Schroeder, T, Cherukuru, N, Brando, V, Daniel, P, Dekker, AG; Bio-optical parameters measured in southern Tasmanian waters: their importance in the accurate satellite retrieval of estimates of phytoplankton biomass in this region; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): L Clementson

King, E, Clementson, L, Brando, V, Besnard, L, Blondeau-Patissier, D, Anstee, J, Wilkes, L; New Remote Sensing Products with national Coverage from IMOS; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): L Clementson

Oke, PR, Griffin, DA, Schiller, A, Matear, R, Fiedler, R, Mansbridge, JV, Cahill, M, Chamberlin, M, Ridgway, K; A comparison of eddies in western boundary current regions; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): Peter Oke

Redondo-Rodriguez, A, Steinberg, C, Weeks, S; Variability of the surface South Equatorial Current bifurcation against the east Coast of Australian and its relationships with the boundary currents; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): Ana Redondo-Rodriguez

Leahy, SM, Kingsford, MJ, Steinberg, C; Do clouds save the Great Barrier Reef?; 12th International Coral Reef Symposium (ICRS), 09/07/2012 - 13/07/2012, Cairns

Spillman, CM, Heron, SF, Steinberg, C, Garde, L, Mahoney, M, Maynard, J, Skirving, WJ, Burgess, T, Eakin, M; Next-generation high-resolution thermal stress monitoring for the Great Barrier Reef; 12th International Coral Reef Symposium (ICRS), 09/07/2012 - 13/07/2012, Cairns

Beggs, H, Griffin, C, Majewski, L, Siddique, A; Twenty one years of 1km resolution AVHRR Sea Surface Temperature data over the Antarctic region; IGS 2014 International Symposium on Sea Ice in a Changing Environment, 09/03/2014 - 14/03/2014, Hobart, Presenter(s): Helen Beggs

Beggs, H, Griffin, C, Majewski, L, King, E, Sisson, J; A multi-decadal, coastal sea surface temperature product for Australia - why we need it; Blue Planet Symposium, 27/05/2015 - 29/05/2015, Cairns, Presenter(s): Helen Beggs

Dufois, F, Hardman-Mountford, NJ, Greenwood, J, Richardson, A, Feng, M, Herbette, S, Matear, R; Impact of eddies on surface chlorophyll in the south Indian Ocean; International Symposium on the Indian Ocean (IIOE-2), 30/11/2015 - 04/12/2015, Goa, Presenter(s): Francois Dufois

Raes, E, Bodrossy, L, Van De Kamp, J, Holmes, N, Hardman-Mountford, NJ, Thompson, P, McInnes, AS, Waite, A; Nitrogen loss genes in the photic zone; International Symposium on the Indian Ocean (IIOE-2), 30/11/2015 - 04/12/2015, Goa, Presenter(s): Eric Raes

Lara-Lopez, A; IMOS role in satellite oceanography; NCRIS Greater impact through environmental infrastructure symposium, 16/05/2017 - 18/05/2017, Canberra, Presenter(s): Ana Lara-Lopez

Malthus, T, Thankappan, M, Schroeder, T; Australian calibration/validation efforts; NCRIS Greater impact through environmental infrastructure symposium, 16/05/2017 - 18/05/2017, Canberra, Presenter(s): Tim Malthus

Workshop Presentation

Steinberg, C; Climate change in the Australian marine environment; Climate Change Simulations Workshop - Simulations for CMIP5 (IPCC AR5) and the data requirements for Queensland and the wet tropical regions, 20/07/2009 - 21/07/2009, Port Douglas, Presenter(s): Craig Steinberg

King, E; The Australian Oceans DAAC - distributed gridded data delivery for marine research; IMOS Collaboration Workshop, 19/08/2009 - 19/08/2009, Hobart, Presenter(s): Edward King

Dekker, AG; Earth observation for marine aquatic ecosystems in Australia, overview of current and near future capabilities; India-Australia Workshop on Remote Sensing of Marine Ecosystems, 18/03/2010 - 19/03/2010, Ahmedabad, Presenter(s): A Dekker

Schroeder, T, Brando, V, Cherukuru, N, Park, Y-J, Clementson, L, Blondeau-Patissier, D, Dekker, AG, Steven, A; CSIRO's new remote sensing algorithms for quality assessment in optically complex waters; Indian-Australian Ocean Colour Workshop, 18/03/2010 - 19/03/2010, Ahmedabad, Presenter(s): Thomas Schroeder

King, E; IMOS Satellite Remote Sensing; Optical Remote Sensing Workshop, AMSA, 08/07/2010 - 08/07/2010, Woolongong, Presenter(s): Edward King

King, E; IMOS Satellite Remote Sensing; CSIRO Earth Observation Workshop, 31/08/2010 - 31/08/2010, Canberra, Presenter(s): Edward King

Brando, V; Past, current and planned activities in Ocean Colour Cal/Val in Australia; IOCCG Ocean Colour Radiometry-Virtual Constellation (OCR-VC) Workshop, 21/10/2010 - 21/10/2010, Ispra, Presenter(s): Vittorio Brando

Watson, C, White, N, Church, JA, Burgette, R, Tregoning, P, Coleman, R; Absolute calibration in Bass Strait, Australia: methods applied and lessons learnt; Deformation Monitoring & Satellite Altimetry Workshop GNSS, 20/01/2011 - 21/01/2011, Chania

Brando, V; Overview of the AERONET-OC LICO site; AERONET-OC: 1st Workshop Overview and Future Developments, 23/02/2011 - 24/02/2011, Greenbelt, Presenter(s): Vittorio Brando

Beggs, H, Majewski, L, LeBorgne, P, Harris, A, Merchant, C, Paltoglou, G; GHRSSST Tropical Warm Pool Diurnal Variability Project (TWP+); 6th GHRSSST Diurnal Variability Working Group Workshop, 28/02/2011 - 28/02/2011, Boulder, Presenter(s): Helen Beggs

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

Paltoglou, G, Majewski, L, Beggs, H; New Australian SST Products from the Australian Bureau Of Meteorology and the Integrated Marine Observing System; GHRSSST SST Validation Working Group Workshop, 01/03/2011 - 01/03/2011, Boulder

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

Watson, C, White, N, Church, JA, Burgette, R, Tregoning, P, Coleman, R; IMOS Sub-Facility 11e Satellite Altimeter Calibration and Validation; Workshop of the National Satellite Calibration Working Group, 03/11/2011 - 03/11/2011, Commonwealth Scientific Industrial Research Organisation, Canberra, Presenter(s): Chris Watson

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

Watson, C, White, N, Church, JA, Burgette, R, Tregoning, P, Coleman, R; Possible Australian Contributions: Sentinel-3 SSH Calibration and Validation, Global Monitoring for Environment and Securing (GMES); Sentinel-3 Calibration and Validation Planning Workshop, 20/03/2012 - 22/03/2012, Frascati, Presenter(s): A Dekker

Pattiaratchi, C; The role of coastal engineering and oceanography on the environment and infrastructure; Environment and Infrastructure Workshop, 12/06/2012 - 12/06/2012, University of Western Australia, Perth, Presenter(s): Charitha Pattiaratchi

Pattiaratchi, C; Modelling mesoscale dynamics along western and southern Australian shelf and slopes: a ROMS modelling approach; ROMS/TOMS Workshop, 24/10/2012 - 24/10/2012, Rio de Janeiro, Presenter(s): Charitha Pattiaratchi

Garde, L, Spillman, CM, Alves, O; ReefTemp Next Generation: A Scientific Overview; eReefs Dashboard Users Workshop, 30/10/2012 - 30/10/2012, Townsville, Presenter(s): Luke Garde

Pattiaratchi, C; Peddies: what, where, why?; WAIMOS Science and Data Uptake Workshop, 05/11/2012 - 05/11/2012, Perth, Presenter(s): Charitha Pattiaratchi

King, E; National remote sensing data set production and access; Bluewater & Climate Node Science Meeting, 28/11/2012 - 29/11/2012, Hobart, Presenter(s): Edward King

King, E, Brando, V; IMOS optical remote sensing observations; BioOptical Working Group Meeting, Brisbane, Presenter(s): Edward King

White, N, Church, JA, Watson, C; Satellite altimeter calibration; Earth Observation and Informatics Transformational Capability Workshop, 01/03/2013 - 01/03/2013, Sydney, Presenter(s): Neil White

Munoz Mas, C, Steinberg, C, McAllister, F, Rigby, P, Tonin, H, Herzfeld, M; Q-IMOS monitoring and eReefs modelling: a partnership to monitor the oceanography and water quality of the Great Barrier Reef; Australian Coral Reef Society Workshop, 28/08/2013 - 30/08/2013, Sydney, Presenter(s): C Munoz Mas

Hardman-Mountford, NJ, Clementson, L, Kelly, P, King, E, Mueller, H, Terhorst, A, Brando, V; Australian Waters Earth Observation Phytoplankton-type products; CSIRO Earth Observation Workshop, 24/09/2013 - 25/09/2013, Canberra, Presenter(s): Nick Hardman-Mountford

Raes, E, McInnes, AS, Olsen, A, Hardman-Mountford, NJ, Thompson, P, Waite, A; N₂ fixation and the diazotrophic community in the eastern Indian Ocean; The 11th Annual Marine Science Student Workshop of the Australian Marine Science Association, 26/06/2014 - 27/06/2014, Rottneest Island, Presenter(s): Eric Raes

Schroeder, T; Ocean colour remote sensing from geo-stationary orbit: potential applications for AHI on Himawari-8; Joint Japan-Australia Workshop, 28/11/2014 - 28/11/2014, Tokyo, Presenter(s): Thomas Schroeder

Legresy, B, Church, JA, White, N, Monselesan, D, Slangen, A; Sensitivity of sea-level rise reconstruction from tide gauges; Workshop on Global and Regional Sea Level Variability and Change, 10/06/2015 - 12/06/2015, Majorca, Presenter(s): Benoit Legresy

van Dongen-Vogels, V, Doblin, MA; Outcomes and lessons from the CSIRO coastal and marine biogeochemical carbon cluster; IMOS Bio-Optical Working Group Workshop, 01/07/2015 - 03/07/2015, Perth, Presenter(s): Virginie van Dongen-Vogels

Hardman-Mountford, NJ, Hirata, T, Brewin, R, Aiken, J, King, E, Clementson, L; The global view of marine phytoplankton from ocean colour satellites; Biomass Size Spectra Workshop, 14/08/2015 - 14/08/2015, Hobart, Presenter(s): Nick Hardman-Mountford

Schroeder, T; Coastal applications and IMOS validation support from Himawari-8; Japan-Australia Workshop on non-meteorological applications from geo-stationary satellite data, 25/08/2015 - 26/08/2015, Brisbane, Presenter(s): Thomas Schroeder

Beggs, H, Griffin, C, Majewski, L, Sisson, J, King, E, Kruger, G, Siddique, A, Freeman, J; New IMOS-GHRST Sea Surface Temperature products suitable for near-coastal applications; CAWCR Seminar, Bureau of Meteorology, 21/09/2015 - 21/09/2015, Melbourne, Presenter(s): Helen Beggs

Zhang, H, Beggs, H, Majewski, L, Wang, XH, Kiss, A; Investigating sea surface temperature diurnal variation over the tropical warm pool using MTSAT-1R data; Centre for Australian Weather and Climate Research (CAWCR) Annual Workshop, 19/10/2015 - 22/10/2015, Bureau of Meteorology, Melbourne, Presenter(s): Haifeng Zhang

Beggs, H, Majewski, L, Griffin, C, Zhong, A, Qi, L; Australian GHRST products and verification; Satellite Oceanography Users Workshop, 09/11/2015 - 11/11/2015, Melbourne, Presenter(s): Helen Beggs

Beggs, H; Which SST product should I use?; Satellite Oceanography Users Workshop, 09/11/2015 - 11/11/2015, Melbourne, Presenter(s): Helen Beggs

Besnard, L; Extracting and sub-setting SRS datasets from the IMOS Ocean Portal; Satellite Oceanography Users Workshop, 09/11/2015 - 11/11/2015, Melbourne, Presenter(s): Laurent Besnard

Besnard, L; Hands on demonstration of useful ocean satellite data manipulation tools/portals; Satellite Oceanography Users Workshop, 09/11/2015 - 11/11/2015, Melbourne, Presenter(s): Laurent Besnard

Hardman-Mountford, NJ, Hirata, T, Brewin, R, Aiken, J, King, E, Clementson, L; The global view of marine phytoplankton from ocean colour satellites; Satellite Oceanography Users Workshop, 09/11/2015 - 11/11/2015, Melbourne, Presenter(s): Nick Hardman-Mountford

Keating, S; Upper ocean statistics from super-resolved sea-surface temperature imagery; Satellite Oceanography Users Workshop, 09/11/2015 - 11/11/2015, Melbourne, Presenter(s): Shane Keating

King, E, Schroeder, T; IMOS ocean colour products; Satellite Oceanography Users Workshop, 09/11/2015 - 11/11/2015, Melbourne, Presenter(s): Edward King

Zhang, H, Beggs, H, Majewski, L, Wang, XH, Kiss, A, Griffin, C; Investigating SST diurnal variation over the tropical warm pool using IMOS-GHRSST products; Satellite Oceanography Users Workshop, 09/11/2015 - 11/11/2015, Melbourne, Presenter(s): Haifeng Zhang

Zhu, X, Minnett, P, Berkelmans, R, Beggs, H, Majewski, L, Kruger, G; Testing satellite SST capability to capture thermal features and diurnal warming on the Great Barrier Reef; Satellite Oceanography Users Workshop, 09/11/2015 - 11/11/2015, Melbourne, Presenter(s): Xiaofang Zhu

Jamet, C; Evaluation of atmospheric correction over complex turbid waters; European Space Agency Colour and Light in the Ocean from EO Workshop, 06/09/2016 - 06/09/2016, Frascati, Presenter(s): Cedric Jamet

Steinberg, C; ARGOS reception (and use) by the IMOS Satellite Reception Facility in Townsville; ARGOS Users Workshop, 08/09/2016 - 08/09/2016, Hobart, Presenter(s): Craig Steinberg

Baird, ME, Mongin, M, Skerratt, J, Wild-Allen, K, et, al.; eReefs marine modelling: an inter-governmental agency collaboration providing management-relevant estimates of ocean state and the impact of river loads; Australian Coastal and Oceans Modelling and Observations (ACOMO) Workshop, 11/10/2016 - 12/10/2016, Canberra, Presenter(s): Mark Baird

Brassington, GB, Tuteja, N, Stuart, G, Treleaven, J; eReefs: an integrated catchment and coastal forecasting system for the Great Barrier Reef; Australian Coastal and Oceans Modelling and Observations (ACOMO) Workshop, 11/10/2016 - 12/10/2016, Canberra, Presenter(s): Gary Brassington

Cetina-Heredia, P, Roughan, M, Liggins, G, Jeffs, A, Coleman, M; Developing models to predict East Rock lobster larval dispersal along NSW; Australian Coastal and Oceans Modelling and Observations (ACOMO) Workshop, 11/10/2016 - 12/10/2016, Canberra, Presenter(s): Paulina Cetina-Heredia

Feng, M, Zhang, N, Zinke, J; Climate drivers of marine heatwaves in the southeast Indian Ocean; Australian Coastal and Oceans Modelling and Observations (ACOMO) Workshop, 11/10/2016 - 12/10/2016, Canberra, Presenter(s): Ming Feng

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

Middleton, J, Griffin, DA, Luick, J, Herzfeld, M; Hydrodynamic modelling of the circulation in the Great Australian Bight; Australian Coastal and Oceans Modelling and Observations (ACOMO) Workshop, 11/10/2016 - 12/10/2016, Canberra, Presenter(s): John Middleton

Oliver, ECJ, Lago, V, Hobday, A, Holbrook, N, Ling, S, Mundy, C; Identifying historical marine heatwaves off eastern Tasmania with a regional ocean model; Australian Coastal and Oceans Modelling and Observations (ACOMO) Workshop, 11/10/2016 - 12/10/2016, Canberra, Presenter(s): Eric Oliver

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

Spillman, CM, Steinberg, C, Benthuyzen, J, et, al.; Monitoring and modelling this summer's extreme temperatures on the GBR leading to a mass coral bleaching event on the Great Barrier Reef; Australian Coastal and Oceans Modelling and Observations (ACOMO) Workshop, 11/10/2016 - 12/10/2016, Canberra, Presenter(s): Claire Spillman

Antoine, D, Schroeder, T, Botha, N, Cherukuru, N, Dekker, AG, Doblin, MA, Fearn, PRCS, Hardman-Mountford, NJ, Johnson, R, King, E, et, al.; The Australian Integrated Marine Observing System (IMOS) radiometry task team: a community effort towards improved field ocean colour measurement; ESA Workshop on Vicarious Infrastructure, 21/02/2017 - 23/02/2017, Frascati, Presenter(s): David Antoine

Antoine, D, Schroeder, T, et, al.; Update on the Radiometry Task Team; ESA Workshop on Vicarious Infrastructure, 21/02/2017 - 23/02/2017, Frascati, Presenter(s): David Antoine

Beggs, H, et, al.; Bureau of Meteorology SST Products - what we have now and what we need; BoM-NOAA SST Workshop, 18/04/2017 - 21/04/2017, Melbourne, Presenter(s): Helen Beggs

Govekar, P, Griffin, C, Beggs, H, Majewski, L; Use of ACSPO VIIRS L3U SST in the Australian Bureau of Meteorology; BoM-NOAA SST Workshop, 18/04/2017 - 21/04/2017, Melbourne, Presenter(s): Pallavi Govekar

Griffin, C; BoM SSES in BoM SST Products; BoM-NOAA SST Workshop, 18/04/2017 - 21/04/2017, Melbourne, Presenter(s): Christopher Griffin

Watson, C, Chen, X, Zhang, X, Church, JA, King, M, Monselesan, D, Legresy, B; The increasing rate of global mean sea level rise over the satellite era; Australian Geodesy Workshop, 28/06/2017 - 29/06/2017, Canberra, Presenter(s): Chris Watson

Conferences, Symposia or Workshops 358