



IMOS Bulletin

Issue #9 December 2010

Welcome to the IMOS Bulletin. Please feel free to distribute this email bulletin to others. The Bulletin is also available for download from the website at <http://imos.org.au/bulletin.html>.

If you have any comments or questions regarding the IMOS Bulletin please contact the IMOS Project Officer, Marian McGowen, via email Marian.McGowen@utas.edu.au.

New Deployments

This section will list any new Facility deployments in the previous month

Argo- 4 Argo floats were deployed from the Research Vessel *Kaharoa* between the 18-20 December in the south west Pacific Ocean.

Ships of Opportunity- the PV *Pacific Sun* was instrumented with a hull-contact temperature sensor on the 12 December, and since then has been transmitting hourly Sea Surface Temperature data to the GTS. This vessel is the final (and sixth) Australian Volunteer Observing Fleet (AVOF) vessel also instrumented with an automatic weather station (AWS) to be instrumented with an IMOS hull-contact sensor.

Ocean Gliders- Two ocean gliders have been deployed on the 26th November; a Seaglider off the coast of Perth, WA and a slocum glider off the coast at Yamba, NSW.

Autonomous Underwater Vehicle – has been deployed recently at Port Stephens, NSW.

National Mooring Network – the National Reference Station was installed at North Stradbroke Island last week. The station is made up of three moorings: the first mooring has Water Quality Monitors attached, a telemetry mooring and an Acoustic Doppler Current Profiler (ADCP) mooring.

New Data Streams

This section will list any new data streams that are publically available via the IMOS Ocean Portal <http://imos.aodn.org.au/webportal/> in the previous month.

IMOS is supported by the Australian Government through the National Collaborative Research Infrastructure Strategy and the Super Science Initiative.
It is led by the University of Tasmania on behalf of the Australian marine & climate science community.

Ships of Opportunity- Sea surface temperature data from the newly instrumented PV *Pacific Sun*.

National Mooring Network – New Manly Hydraulics Laboratory (MHL) Waverider buoy data from seven MHL buoys is now available through the IMOS portal.

Ocean radar- Quality Controlled radial data is now available for two ocean radar stations in South Australia (Cape Wiles and Cape Spencer).

Satellite Remote Sensing- Satellite Ocean colour data is now available from the Lucinda Jetty Coastal Observatory.

Recent & Upcoming Events

For a full list of upcoming conferences please visit the Calendar page at <http://imos.org.au/calendar.html>. If you would like an event or conference featured on our website calendar please contact Marian McGowen via email Marian.McGowen@utas.edu.au.

IMOS publishes the first Annual Highlights document: To download an electronic copy please visit the IMOS website (<http://imos.org.au/highlights.html>), or if you would prefer to receive a paper copy please email imos@imos.org.au.

The latest Australian Institute of Marine Science Index of Marine Industry was released: the AIMS index is available at <http://www.aims.gov.au/docs/publications/publications.html>.

9-11 February 2011 AMOS and MetSoc NZ - Joint Conference: Extreme Weather. Te Papa, Wellington, New Zealand. <http://www.amos.org.au/>

14-18 March 2011 Biologging4- 4th International Science Symposium on Bio-logging. Hobart, Tasmania. <http://www.cmar.csiro.au/biologging4/> Registration closes COB Friday **4 March 2011**.

4-8 April 2011 Greenhouse 2011 The Science of Climate Change. Cairns, Queensland. <http://www.greenhouse2011.com> Early bird registration until **21 January 2011**.

27-30 June 2011 Advances in Marine Ecosystem Modelling Symposium 3. Plymouth, UK. <http://www.amemr.info/> Abstract submission is open, deadline **21 January 2011**.

28 June-7 July 2011 IUGG General Assembly. Melbourne, Victoria. <http://www.iugg2011.com> Registration and Call for Abstracts Opens: Monday 16 August 2010. Call for Abstracts Close: **1 February 2011**.

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Please consider submitting an abstract to a session on New Insights from Sustained Observing Systems at IUGG2011

P05 New insights from Sustained Ocean Observing Systems

Organiser: IAPSO

Lead Convenor: John Middleton (Australia)

Co-Convenors: Katy Hill (Australia), Susan Wijffels (Australia)

Much effort is being put into developing and maintaining systematic ocean observing systems. Recent advances over the last decade include: the establishment of the Argo array providing profile and velocity data with global coverage down to 2000m depth; and high precision satellite altimetry and ocean colour; moored time-series stations are also being established globally, both coastally and in the deep ocean; sustained glider missions are beginning and HF RADAR systems deployed. The session invites papers on the advances in understanding of oceanic processes (including climate) based on systematic observing systems. Papers are particularly welcome that shed light on the adequacy (or otherwise) of the present observing systems' design and data quality.

Keywords: ocean observing systems, satellite altimetry, HF Radar, ocean processes, climate

Review: All contributed abstracts will be reviewed by the Convenors.

26-30 September 2011 World Conference on Marine Biodiversity. Aberdeen, Scotland, UK.

<http://www.marine-biodiversity.org/> Abstract submission is now open - deadline **31 January 2011**.