



IMOS Bulletin

Issue #36 September 2014

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>.

We are introducing a new format for the IMOS Bulletin this month. IMOS is now in our ninth year of operation and as the system has matured our deployments and data streams have become routine. Rather than listing deployments and data streams which are all flowing into our IMOS data portal, we will now provide links to the data reports and activity plans with a highlight for the month, IMOS *OceanCurrent* news and a feature section.

If you have any comments or questions regarding the IMOS Bulletin please contact the IMOS Communications Manager, Marian Wiltshire (Marian.Wiltshire@utas.edu.au).

IMOS Data Reports

The IMOS data holdings are detailed in a suite of reports generated by the eMII Office on a monthly basis. The summary reports for August 2014 can be downloaded directly via the IMOS website <http://imos.org.au/imosdatareports.html>.

Real-time data from a new Seaglider track in the Great Australian Bight is available on the IMOS portal. The ocean glider was deployed on 16 September and summary graphs of temperature, salinity, concentration of Chlorophyll, dissolved oxygen and coloured dissolved organic matter from the ocean glider are available via the portal for the duration of the deployment.

IMOS Activity Planning

Future activity planning for the IMOS Facilities is now provided via the IMOS website (<http://imos.org.au/imosactivityplanning.html>). The plans contain details for all the planned deployment/recovery/servicing/sampling etc. activities for the NCRIS 2013 funding period.

October 2014 will see the RSV *Aurora Australis* depart for Antarctica, it will be collecting data for the IMOS Ships of Opportunity facility, including a continuous plankton recorder, air-sea flux measurements and bio-acoustic observations.

Did you know?

A new section that will feature various ways in which you can discover, access and use IMOS data.

IMOS is a national collaborative research infrastructure, supported by Australian Government. It is led by University of Tasmania in partnership with the Australian marine & climate science community.

IMOS Autonomous Underwater Vehicle (AUV) Images viewer

IMOS Integrated Marine Observing System
FACILITY 5: Autonomous Underwater Vehicle (AUV)

Autonomous Underwater Vehicle Images Viewer

10 m
50 ft

Legend Lat: 115.45979
Lat: -32.03363

Rottnest 25m S Out Apr 21, 2010 4:24:35 AM Depth:22.5m
Temperature:21.807°C Salinity:35.709748 Chlorophyll:0.673

Rottnest 25m S Out Apr 21, 2010 4:24:38 AM Depth:22.5m
Temperature:21.807°C Salinity:35.709748 Chlorophyll:0.673

Rottnest 25m S Out RESET MAP

Searching ...

Rottnest - Dive:22 Depth:25m
Rottnest - Dive:03 Depth:25m

Current Viewing Images: 31 to 33 of 40 near your click point

NCRIS
National Research
Infrastructure for Australia
An Australian Government Initiative

UNIVERSITY of
TASMANIA

CC BY

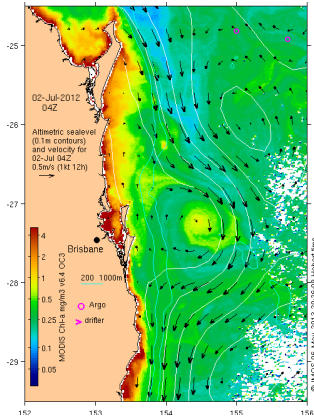
The [AUV Viewer](http://auv.adn.org.au/auv/) (<http://auv.adn.org.au/auv/>) is a tool designed to sort and view images from the Autonomous Underwater Vehicle facility. The vehicle produces precisely navigated time series of sea-floor images. A typical dive of the vehicle produces around 8,000-12,000 images. The Viewer sorts the images and displays a selection of them upon a mouse-click on a track diagram. To find out more about how to use the viewer please visit the IMOS Ocean Portal User Guide (<http://help.aodn.org.au/help/?q=node/16>).

IMOS OceanCurrent

East Australian Current 'reversals' off Brisbane - 3 years in a row in June-July

The Brisbane region is where the flow along the continental slope is most consistently fast and to the south, because of the East Australian Current, right? Well, yes, but sometimes the flow along the slope does turn northward. In fact, it has now done this in three June-July periods in succession, the [most recent one](#) resulting in some striking SST imagery. The imagery shows that the EAC is not actually reversed - its just displaced offshore. To read the full news item: <http://oceancurrent.imos.org.au/news.htm>

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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 Wiltshire via email Marian.Wiltshire@utas.edu.au

27-31 October 2014 Coast 2 Coast, Mandurah, Western Australia. For more information: <http://www.promaco.com.au/coasttocoast2014>

10 November 2014 Closing date for Expressions of Interest for the AIMS National Sea Simulator (SeaSim). The Australian Institute of Marine Science (AIMS) would like to invite individuals and groups from industry and the marine research community to submit expressions of interest in working with us in SeaSim. For application forms and guidelines: <http://www.aims.gov.au/national-sea-simulator/application-information>. For more detail on SeaSim capabilities and how to access them, contact, SeaSim Operations Manager, Craig Humphrey (c.humphrey@aims.gov.au).

2-13 February 2015 Centre for Marine Bio-Innovation Summer Course on Marine Microbial Ecology, at the Sydney Institute of Marine Science, Sydney, Australia. For expressions of interest and further information regarding registration fees and process please contact Suhelen Egan: s.egan@unsw.edu.au Applications close **27 October 2014**.

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