



IMOS Bulletin

Issue #39 January 2015

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 IMOS Communications, communication@imos.org.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 December 2014 can be downloaded directly via the IMOS website <http://imos.org.au/datareports.html>.

The IMOS Ships of Opportunity Temperate Merchant Vessel sub-facility collects data from an autonomous marine monitoring system on the Spirit of Tasmania I to monitor long-term climate change indicators and measures of ecosystem health in Bass Strait surface waters and coastal waters of Victoria and Tasmania. There has been a real-time data stream from the Spirit of Tasmania I since December 2013. Over summer and holiday periods the vessel undertakes continuous transects with 2-3 hour turnaround at the ports. The data stream is a coinvestment into IMOS by the Environment Protection Authority Victoria, and the data is available via the [IMOS Ocean Portal](#).

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.

Regular biogeochemical water sampling occurs at the IMOS National Reference Stations around the country. In February sampling will occur at Yongala (QLD), North Stradbroke Island (QLD), Port Hacking (NSW), Maria Island (TAS), Kangaroo Island (SA), and Rottnest Island (WA).

Did you know?

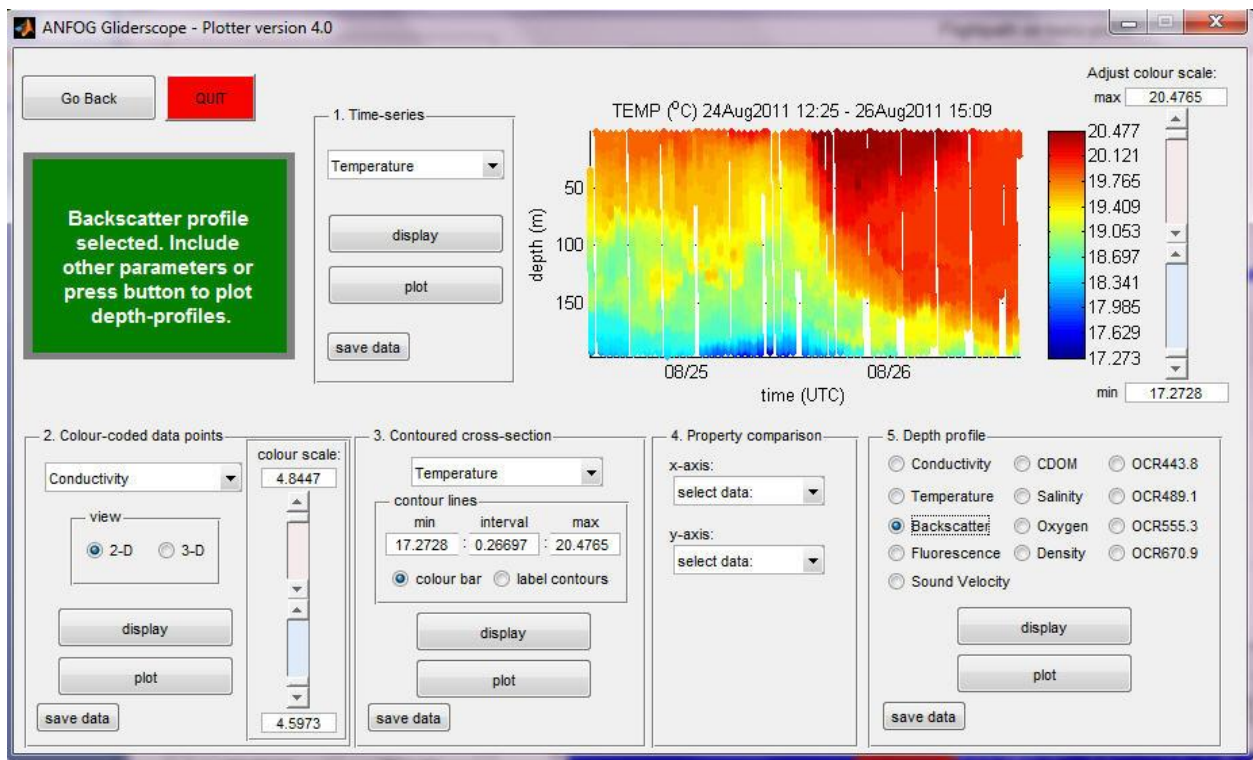
A new section that will feature various ways in which you can discover, access and use IMOS data.

GLIDERSCOPE is a software package (for both Windows and Mac) designed by the team in the IMOS ocean glider facility to allow users quick and easy visualisation of ocean glider data, via a convenient

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.

graphical user interface. In accordance to IMOS data file convention, the ocean glider data formats are based on NetCDF (Network Common Data Form). All of the scientific data are stored with appropriate quality control flags indicating the usability/validity of each data-entry. Although highly informational, NetCDF files can be quite daunting for those who are unfamiliar with the format, or lack the computing set-up to access the data.

By using the freely available GLIDERSCOPE software, all users will be able to read the NetCDF files, filter out the bad data and apply a variety of useful data graphical visualisation techniques to examine the data, e.g. using three/four-dimensional plots of water properties, interpolated contour charts, vertical profile plots, water properties comparison charts, etc. Users can easily choose and extract segments of data. Additionally, users can also export their data to text files for easy access in other applications. To download the GLIDERSCOPE software visit http://imos.org.au/anfog_data.html.



In the figure above you can see the GLIDERSCOPE plotter dashboard.

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 communication@imos.org.au.

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.

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

23 February 2015 The Antarctic Gateway Partnership is a Special Research Initiative funded by the Australian Research Council (ARC). The partnership involves the University of Tasmania, centered at the Institute for Marine and Antarctic Studies (IMAS) and the Australian Maritime College (AMC); the CSIRO's Oceans and Atmosphere Flagship; and the Australian Antarctic Division (AAD). The Antarctic Climate and Ecosystems Cooperative Research Centre collaborates closely with the Antarctic Gateway Partnership. The Antarctic Gateway Partnership is seeking to make a number of University appointments on a full time fixed-term basis for a period of three years. For more details about the appointments please visit <http://www.utas.edu.au/jobs/current-vacancies>. Closing date for applications is **23 February 2015**.

27-29 May 2015 Blue Planet Symposium, Cairns, Australia. There will be no registration fee for the symposium although you will need to complete the registration form, which will be made available in early March. Abstract submissions will close on **13 February, 2015**. For more information <http://www.blueplanetsymposium.com>.

1-5 June 2015 7th International Workshop on Modeling the Ocean (IWMO), Australian National University (ANU), Canberra, Australia. Details of the workshop are now posted on the conference website: <http://www.tinyurl.com/iwmo2015> Early bird registration closes **17 April 2015**. Abstracts deadline is **6 March 2015**.

22 June – 2 July 2015 26th International Union of Geodesy and Geophysics (IUGG) General Assembly 2015, Prague, Czech Republic. For more information and to register, visit <http://www.iugg2015prague.com>. Abstract deadline is **January 31, 2015**.

5-9 July 2015 AMSA Annual Conference, Geelong, Victoria. For more information visit <http://www.amsaconference.net/>.

15-17 July 2015 AMOS National Conference, Brisbane QLD. For more information <http://www.imis100ap1.com.au/AMOS/AMOS2015/Home/AMOSNationalConference2015/Home.aspx?hkey=e329fe4f-2c9f-4fba-b29a-31e453413862>. Abstract submission closes **28 February 2015**.

14-18 September 2015 GO-SHIP/Argo/ IOCCP conference on physical and biogeochemical measurements of the water column, Galway, Ireland. For more information about GAIC2015 and to register visit <http://www.gaic2015.org>. Abstract submission closes **30 April 2015**.

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.