



NSW IMOS (SEA-MOS) Update SAC Meeting Thursday 6th November 2008

NSW IMOS Node

- Holding a SEA-MOS Community meeting on Monday 10th November 2008 at SIMS.
- Our response to the call for information leading up to the midterm review is attached. Next stage is a teleconference in November, before the national IMOS meeting at SIMS 16-19 February 2009. The assessments will consider our Science and Implementation plan (the "white paper", <http://www.sims.org.au/imos/NSWIMOS.cfm>) and in particular the assessment criteria of:
 - Scope and feasibility of Science & Implementation plans
 - Level of researcher participation/demonstrated user community;
 - Scope for growth in science community engagement
 - Outcomes:
 - Broader acceptance of IMOS by the research community;
 - New nodes?

NSW Moorings

- Moninya has managed to keep up with this facility and enjoy being a mother.
- Three ADCP's have been returned to the supplier in the US. They will be repaired and sent back for redeployment (we are expecting new instruments as the problem is difficult to detect). DECC has loaned SIMS an ADCP to help continue cover SYD100. Clive Holden reported that the 4th ADCP at SYD140 was still working at last service by OFS on 1 Oct. Unit 10931 has toiled dutifully during the past two deployments - the longest being 30 days - and looks to be free of the problems infecting 10887, 10925 and 10932. At the end of three months, we have continuous temperature data at both SYD100 and SYD140, the only gaps being those coincident with the mooring services and therefore minor. Current-wise, we have full ADCP data for the last two months at SYD140, but nothing worthy of reporting at SYD100m (which now has the DECC ADCP). With external batteries, this will record for as long as it takes before we get our units back from RDI. Data formats for eMII are a stumbling block.
- eMII have been in negotiations with MHL over their wave rider data.





- Mooring components for the two Coffs Harbour moorings (70 m and 100 m) have started to arrive at SIMS.
- Manly Hydraulics Lab has submitted a proposal for the deployment of the Coffs Harbour Moorings to SIMS. The NSW Moorings operation team is currently assessing the deployment proposal before seeking approval from the IMOS and SIMS boards to proceed.
- The Jervis Bay mooring was lost 2 months ago. Hua Wang has a new float and an ADFA sponsored ADCP unit. We are approaching IMOS central to provide a new thermistor string.

AATAMS Facility

- Rob Harcourt and Charlie Huveneers attended and presented at the Biologging conference in California and the Oceania Chondrichthyan Society (OCS) conference in Sydney. During the OCS conference four talks were presented using AATAMS data.
- Highly mediatised wobbegong release off Shelley Beach followed by the last tagging trip in October. The first download of receivers also took place with over 200,000 detections.
- Receiver pool of about 30 receivers re-allocated to four different projects (Tasmania, South Australia, 2 in Queensland)
- Equipment for the Sydney line is about to be delivered with deployments planned for late November/early December.
- Rob Harcourt has submitted an application to IMOS to increase AATAMS coverage and capacity building.

AUV Facility

- The AUV spent two weeks in Tasmania in October 2008 surveying sites as part of the Commonwealth Environmental Research Facility (CERF) Marine Biodiversity Research Hub. The AUV deployments focused on sites along the Tasman Peninsula in SE Tasmania and in the Huon MPA. The objective of the cruise was to describe biological assemblages associated with rocky reef systems in deep shelf waters beyond normal diving depths.





Ocean Gliders

- With the SIMS Board approval (including IMOS support for any possible rescue mission), a Slocum glider was to have been deployed from Port Stephens in early October before a 10 day Southern Surveyor voyage by Iain Suthers. However the Slocums were still having communication problems and could not be delivered until during the voyage. The glider technical officer was then away on a glider training conference, and David Griffin the key navigator was also going to be away. (Dave has developed a virtual glider navigation tool or game, using the BlueLink reanalysis of the coastal flows for 1992-2006. It is surprisingly difficult to navigate the gliders when they travel at 0.25 m/s and the flows are 1-2 m/s). The glider should be arriving by TNT truck this week, and deployment is proposed for 24 November 2008, to be retrieved around 15 Dec.

HF Radar off Coffs

- Nothing new to report