



## Transit Voyage ss2010\_t01

### ANNiMS Student Training Voyage

Professor Anya M. Waite (Chief Scientist), UWA Oceans Institute, School of Environmental Systems Engineering, and Professor Tom Trull (Chief Scientist), ACE-CRC, University of Tasmania, CSIRO Marine and Atmospheric Research

#### Contribution to Australia's national benefit:

Our aim on this voyage was to train postgraduate and undergraduate students in operational oceanography. We see this as critical to the long-term support of oceanography as a field-based, ocean-going discipline in Australia. The maintenance of an ocean-going research community is critical to our ability to understand and adapt to climate change, as well as maintaining leadership in regional scientific dialogue.

#### As a result of this voyage:

1. We have a better understanding of the extent and reach of the Leeuwin Current at this time of year, the regional distribution of oxygen minima below the Leeuwin Current and the vertical distribution of nutrients within it.
2. We have found a new unmapped canyon off the Montebello Islands with the Swath Mapper. We named it the Tryal Canyon after the 1622 shipwreck.

3. We have mapped the full length of the Leeuwin Current from Hobart to Broome.
4. We have commenced a program of student training through the ANNiMS programme which we hope will help build oceanographic teaching in Australia over 3-5 years.

#### Itinerary

Departed Hobart, 08:00, Wednesday 31 March 2010

Arrived Fremantle, 08:00, Wednesday 7 April 2010

Departed Fremantle, 16:00, Wednesday 7 April 2010

Arrived Broome, 08:00, Tuesday 13 April 2010

#### > Transit voyage track ss2010\_t01

