Contribution to Australia’s national benefit:

This project lies within the national priority of An Environmentally Sustainable Australia: Responding to climate change and variability. The Southern Ocean is important to global and regional climate and carbon cycling, because of its highly energetic interactions with the atmosphere, its deep mixing, and its role in connecting all the basins in the global ocean. Direct measurements are very rare, and automated observatories are required to measure air-sea exchanges in these waters to quantify ocean control of atmospheric CO₂, and physical mechanisms responsible for climate variability and change. This is because ship-based observations cannot capture the variations which occur on timescales from daily, to monthly, to annually and include strong events driven by weather.

Itinerary

Departed Hobart 0800 Thursday 12 July 2012
Arrived Hobart 0800 Wednesday 25 July 2012