

On Thursday 10/03/05 work started at sunrise, 05.00 am, with the recovery of the short mooring LMC9. This mooring was immediately redeployed using serviced instruments from previous moorings. Then, in the morning, a combined CTD-calibration SBE's station was carried out at 1900 m waterdepth. In the afternoon mooring LMC8 was redeployed and the evening and night was used for 2 more CTD stations.

On Friday 11/03/05 our activities were finished with the recovery and redeployment of mooring LMC9. Work started at 05.00 am and was finished at 08.00 am. Then RRS Discovery set course to Durban where the vessel arrived on Tuesday 15/03/05.

Cruise Track

The cruise was carried out from Durban, South Africa to Durban. The main work area was at the narrowest section of the Mozambique Channel where hydrographic sections were performed, moorings were recovered, serviced and redeployed, and cores (multi-coring and piston coring) were obtained from the seafloor on the western slope of the channel. The complete cruise track is shown in figure 1.

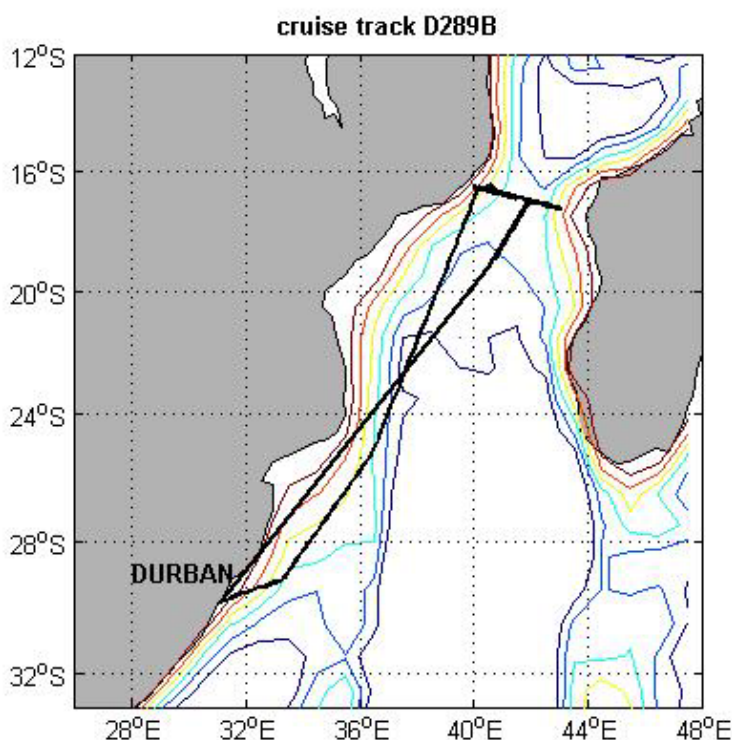


Figure 1. Cruise track of RRS Discovery cruise 64D289B

Hydrographic Stations

A total of 13 CTD casts was recorded, including one short test cast. On all of these casts, except for the test cast, water samples were taken for the determinations of nutrient, dissolved oxygen and, less frequently, salinity. A lowered Acoustic Doppler Current Profiler (LADCP) was attached to the CTD frame to measure vertical profiles of the current speed and direction. The positions of the hydrographic stations along the mooring sections are indicated in figure 2.