The Madog left Menai Bridge at 07:30 on 03/12/2009 running into a heavy N/NW swell at 09:00 (Winds 17m/s, 290°). CTD and grab deployment was not possible under these conditions.

Sites 34, 33, 24, 21, 12, 11, 10 and 35 were visited (west to east) and surface nutrient samples taken from the flow through system (approx. 3m below SL). The AIS showed up 2.5 miles away from site 21 in storm conditions. A heavy swell driven by 10-17 m/s, 290-320° winds persisted throughout this time. At 16:31 (site 35) the Madog turned towards Birkenhead rather than heading west into the oncoming waves and potentially dangerous working conditions.

Just before the Crosby radar tower (53° 28.750’ N, 3° 4.541’ W) the underway and ADCP (18:47), and pCO₂ (18:51) systems were stopped. Since the Madog was running more slowly than usual recording was terminated early to prevent silt running through the system and damaging instruments. The Madog berthed in Vittoria Dock at 21:25 on 03/12/2009.

No zooplankton nets for CEFAS were completed due to time pressures on 02/12/2009 and poor weather on 03/12/2009.

n.b. The latitude and longitude of each CTD deployment is now recorded in the header file for each cast.

Figure 1. Track from coastal observatory cruise number 65. Red dots mark sites A (53° 32’ N, 3° 21.8 W) and B (53° 27’ N, 3° 38.6’ W). Bathymetry scale is in m’s. Green track on 02/12/09 and yellow track on 03/12/09.