

CENTRE FOR ENVIRONMENT, FISHERIES AND AQUACULTURE SCIENCE,
LOWESTOFT, SUFFOLK, ENGLAND

2009 RESEARCH VESSEL PROGRAMME

PROGRAMME: RV Endeavour: CRUISE 1/09

STAFF:

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DURATION: Thursday 8th January – Monday 12th January

Approx Sailing Time 05:00 GMT

Approx Docking Time 22:00 GMT

LOCALITY: Thames, Southern Bight, west Dogger Bank. Tyne to Wash coastal.

Background:

This cruise primarily serves need to service SmartBuoys (SLA25, C3416) and waveriders (C3212) at several sites in the North Sea and undertake surface mapping for dissolved nutrients for the CSEMP. This is also the inaugural trip for our FerryBox (DP240) and two German engineers will be testing the system during the cruise.

Specific cruise AIMS (not in priority order)

Deploy new SmartBuoy at Dowsing
Service SmartBuoys at Warp and West Gabbard
Service waveriders at Tyne, Dowsing and Hastings
Collect sediment samples for expt work with mini-flume
Provide good spatial coverage to calibrate the FerryBox

PLAN (all times GMT):

Weather permitting Endeavour will sail at approximately 05:00 on 8th January and steam to the West Gabbard site arriving at 08:00. Work will commence here, with a CTD and water sampling. The SmartBuoy will be serviced followed by a CTD and coring. Surface samples will be collected hourly en-route to the Warp. The SmartBuoy will be serviced, coring will occur and then the ship will continue south to the Varne for a CTD. The Hastings waverider will be serviced soon after. We then travel north through the southern bight to the Sean Gas Field site. A range of coring and water sampling operations will take place. Thereafter the Endeavour will proceed towards the Off Tyne/Tees for several water stations and a waverider service. The southerly journey home will remain close to the coast visiting the Humber and Wash but will detour to service the Dowsing waverider and deploy the new SmartBuoy. Docking time is estimated to be 22:00 on the 12th January.

Dave Sivyer
(Scientist-in-Charge)
18 December 2008