

DEFRA
CEFAS LABORATORY, LOWESTOFT, SUFFOLK, ENGLAND, UK.
2012 RESEARCH VESSEL REPORT
RV CEFAS ENDEAVOUR : CRUISE 14/12

STAFF:

Name	Role	Cabin	Shift
Dave Sivyer	SIC	SIC	Not specified
Neil Needham		C3	
Dave Pearce		C2	
Chris Read		C5	
Sonia Oberbeckmann		C6	
Buster Rook-Bishop		C7	
Tom Hull		C4	
Bill Meadows		B1	

DURATION: 10 Sept to 12 Sept 2012

MOBILISE: Lowestoft

DEMOBILISE: LOWESTOFT

OPERATION AREAS: Southern North Sea,

AIMS:

1. Service SmartBuoys at Warp and West Gabbard (SLA28E – 1 day)
2. Service SmartBuoy at Dowsing (SLA28E - 0.5 day)
3. Collect micro-landers from Kessingland and Orford (C5638A – 0.5 day)
4. Service waveriders at Southwold Approaches and South Knock

CRUISE REPORT - All times in BST

Sail 06:00 10/09/2012.

Steam to the Kessingland lander site to try to recover the micro lander. The buffs were still on position and hooked easily, the clump was recovered and the slack ground rope hauled by hand as the ship manoeuvred. But as the bare weight came on the Gilson winch the rope parted and the lander was left on the seabed. Then moved a few miles to the Southwold Approaches (52°18'.83N, 001°46'.98E) to swap waverider, where the mooring was deliberately not replaced. The ship headed south again to Orford (52° 05'.034 N, 001° 40'.996 E) for the second micro lander. On arrival the surface buffs could not be seen so a grapple was secured to the tow cable and picked up the ground wire on the first attempt. The lander was successfully recovered. After a two hour steam to the West Gabbard collect water samples from CTD rosette, recover and redeploy the SmartBuoy followed by another CTD cast in less than an hour. Steamed to the Thames region starting with South Knock (51°34'.25N, 001°34'.77E) to service the waverider. At this site the waverider triangle was missing so a hand held grapple was used to secure the rubber cord and allow the recovery wire to be attached to a waverider handle. This was successfully recovered and a new unit deployed.

After a 30 mile steam the Warp site was occupied for an hour, to recover two SmartBuoys, collect water samples and deploy a new SmartBuoy. Steaming through the night to site AWAC2.1 (52.15469N 2.15614E) to run 6 x 500m multibeam lines after which Endeavour moved to site AWAC2.2 (52.26877N 2.21169E) and repeated the multi beam survey pattern. En-route to the Dowsing SmartBuoy a multibeam line was collected over the Kessingland micro-lander site to potentially aid

recovery by divers. At Dowsing the SmartBuoy was serviced and water samples collected before returning to Lowestoft.

Dock in Lowestoft on the early morning tide 06:00 12 September.

Dave Sivyer 12/9/12