

DEFRA  
 CEFAS LABORATORY, LOWESTOFT, SUFFOLK, ENGLAND, UK.  
 2013 RESEARCH VESSEL PROGRAMME  
 RV CEFAS ENDEAVOUR : **CRUISE 14/13**

**STAFF:**

Name	Role	Cabin	Shift
Dave Sivyer	SIC	SIC	Not specified
Neil Needham		C3	
Dave Pearce		C2	
Antonio Pliru		C1	
Tobias Boehme	4H-Jena	C4	
Uwe Posner		C8	
Thomas Maes		B1	
Pete Randall		B2	
Alida Rosales		D6	
Briony Silburn		D5	
Trefor Owen	POMS	D2	
Neil Pearson		D3	
Vernon Smith	Spartan	D4	
Tom Hull		C6	
Chris Read		C5	
Mark Hartman	(NOCS)	C7	

**DURATION:** 28 to 31 July 2013

**MOBILISE:** Lowestoft Cefas quay

**DEMOBILISE:** **LOWESTOFT CEFAS QUAY**

**OPERATION AREAS:** Southern North Sea

**AIMS:**

1. Service SmartBuoys at Warp and West Gabbard (SLA28D – 1.5 day)
2. Service EAOW landers, and guard buoys at several sites (C5726A 1 day)
3. Service SmartBuoy at Dowsing (SLA42A – 0.5 day)
4. Service West Gabbard wave rider
5. Service FerryBox and install new sampler unit
6. Trial SPI's and NIOZ before NSGFS
7. Complete ADCP survey at AWAC3.1 and 4.1 (C5726C – 0.5 day)

**CRUISE PLAN - All times in GMT**

Sail 00:30 Sunday 28 July.

The plan is to sail overnight to the Warp SmartBuoy. A water sample will be collected via CTD rosette before breakfast, then the SmartBuoy will be recovered and a replacement deployed. Another water sample will be collected afterwards. After a 6 hour steam to the West Gabbard SmartBuoy the procedure will be repeated. The waverider at West Gabbard will also be serviced. We should be moving the West Gabbard array back its original location and we may need to deploy guard buoys (tbc). After an overnight steam to the Dowsing, the SmartBuoy will be serviced after breakfast on the 29th.

Endeavour will then proceed to AWAC 4.1. in the afternoon where the minilander will be serviced along with water and sediment samples. The guard buoys will be serviced at this site. A **12hr ADCP survey** will be undertaken overnight before moving to AWAC3.1 where the minilander will be serviced and water and sediment samples collected. A 12hr ADCP survey will also take place at AWAC 3.1.

SPI camera and NIOZ corer trials will take place in a suitable mud patch at some point during the cruise.

Endeavour will return to Lowestoft after visual checks of DWR E and DWR C to dock at approx 15:00 on Wednesday 31st July

If the weather is poor the route may be revised.

Dave Sivyer 26/06/13