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MRV *Alba na Mara*

## **Survey 0416A**

### **PROGRAMME**

23-26 March 2016

**Loading:** Fraserburgh, Monday 21 March 2016

**Unloading:** Fraserburgh, Saturday 26 March 2016

In setting the survey programme and specific objectives, etc the Scientist-in-Charge needs to be aware of the restrictions on working hours and the need to build in adequate rest days and rest breaks as set out in Marine Scotland's Working Time Policy (Lab Notice 34/03).

In addition, the Scientist-in-Charge must formally review the risk assessments for the cruise with staff on-board before work is commenced.

In the interest of efficient data management it is now mandatory to return the Survey Report to Iain Gibb and the Survey Summary Report (old ROSCOP form) to Matt Geldart, within four weeks of a survey ending. In the case of the Survey Summary Report a nil return is required, if appropriate.

### **Personnel**

C Hall (SIC)

N Collie

M Watson

**Out-turn days per project:** SO09D0 (20339) - 4 days

### **Equipment**

400m armoured TV cable

300m armoured TV cable

TV drop frame

Mesh calibration grid

SubC1 HD cameras

Kongsberg Digital Cameras OE14-208 & 14-408

Kongsberg TV 14-466 TV camera

Laser stripe projectors

Fluke 43 Mains Analyser

### **Objectives**

- 1) Staff training and demonstration for the set-up and operation of a TV observation drop-frame camera system.
- 2) To test and compare commercial and MSS laser projectors (optimise digital camera settings for use with laser & flash).
- 3) Test and compare HD and standard TV video cameras.

- 4) Monitor the ship's mains power supply to compare outputs on harbour and main generator sets
- 5) Demonstrate the set-up and operation of the D-SHIP data acquisition system.

### **Procedure**

Scientific equipment will be transported to Fraserburgh on Monday 21 March. Staff will join *Alba na Mara* during the morning of 23 March, after which they will load the TV cable onto the winch and set-up TV equipment in the dry laboratory. Subsequent instrumentation and TV trials will continue as conditions permit in areas of between 50 m and 100 m depth on a variety of sea-bed types. The stability of the ship's electrical supply will be monitored while under different loads. The ship will return to Fraserburgh at the end of each day for equipment configuration and to review data.

After the trials, *Alba na Mara* will un-load equipment in Fraserburgh on 26 March.

Normal contacts will be maintained with the laboratory.

Submitted  
C Hall  
24 February 2016

Approved:  
I Gibb  
17 March 2016