

Cruise programme: Cirolana 2Y/02

FRS Aberdeen Charter

Not to be cited without prior reference to the FRS Marine Laboratory, Aberdeen
15-28 May 2002

Loading: Aberdeen

Unloading: Aberdeen

Gear

CTD, ADCP Moorings, Pop Up Acoustic Moorings, Towed hydrophone, thermosalinograph.

Objectives

1. To perform hydrographic surveys along the JONSIS standard section in the northern North Sea.
2. To perform hydrographic surveys along the standard Faroe Shetland Channel sections.
3. To service two ADCP moorings.
4. To perform eddy surveys in the Faroe Shetland Channel
5. To perform ad-hoc sonar buoy, pop-up mooring deployments and towed array acoustic recordings for cetaceans.

Procedure

On sailing from Aberdeen, tests will be performed with the CTD. On successful completion, Cirolana will proceed to the start of the JONSIS standard section, and this line will be surveyed using the CTD/rosette package. She will then proceed to the location of the two ADCP moorings (NWSE - 60°16.54'N 004°19.97'W, NWSD - 60°27.07'N 004°22.49'W). These will be recovered on board, using the vessel's small boat if necessary. The Fair Isle Munken section will then be surveyed, followed by the Nolso Flugga section. If the ADCP moorings were successfully recovered, Cirolana will call into Torshavn to service them in the Faroese Fishery Laboratory. Following the completion of the Nolso Flugga section, the two ADCP moorings will be redeployed, along with pop-up acoustic moorings as required. The eddy surveys will then commence, based on information received from satellite observations. This will involve tightly spaced CTD casts, at positions to be decided during the survey. Throughout the trip, a towed hydrophone will be deployed during stations, sonar buoys will be released on station, and continuously pumped surface water is required.

Note:

1. The survey will take *Cirolana* into the Foinaven Development Area. This is now standard practice, and normal on-site communications will be established with the Foinaven co-ordinating officer.
2. Foreign clearance will be required to work in Faroese waters.
3. Faroese charts will be required on board.
4. A port call at Torshavn is planned.

5. Satellite communications are required in order to receive satellite imagery by fax or e-mail.
6. 24 hour working is required, with a mixture of mooring work during day light hours, and CTD work at all times.
7. Although rare, occasionally small boat work is needed to aid recovery of ADCP moorings.
8. Station positions attached below.
9. Illustrative mooring diagram attached below (may be slightly different in detail. Full diagrams will be available on board).

Normal contacts will be maintained with the Marine Laboratory.

J A Morrison, 9 May 2002