

NOTIFICATION OF PROPOSED RESEARCH CRUISEGENERAL
PART A

1. Name of ship **FS 'ALKOR'** Cruise No.: **AL287**
2. Dates of cruise from **06.09.06** to **21.09.06**
3. Operating Authority **Leibniz-Institut für Meereswissenschaften
an der Universität Kiel
Düsternbrooker Weg 20
D-24105 KIEL
Telephone +49 (0)431- 600 – 4161/ 1542
Telefax +49 (0)431- 600 – 4152
e-mail: tmueller@ifm-geomar.de**
4. Owner (if different from para 3)
5. Particulars of ship:

Name	ALKOR
Nationality	German
Overall length	55,20 metres
Maximal draught	3,95 metres
BRT	1000 BRT
Propulsion	Diesel Electric
Call Sign	DBND
IMO no.	8905880
MMSI no.	211216570
Telephone	INMARSAT +870-7 64 54 99 82
Telefax	INMARSAT +870-7 64 54 99 84
e-mail	master.alkor-b@skyfile.de
6. Crew

Name of Master	Jan Lass
No of Crew	10
7. Scientific Personnel

Scientist in charge	: Jörn Schmidt
Name and address	: Leibniz-Institut für Meereswissenschaften an der Universität Kiel, Düsternbrooker Weg 20, 24105 Kiel
Phone	: +49 431 600 4559
Fax	: +49 431 600 4553
e-mail	: jschmidt@ifm-geomar.de
No of Scientists	: 8
8. Geographical area in which ship will operate (with reference to latitude and longitude)
North Sea between 53°30'N and 61° N and from 004°00'W to 003°00'E
9. Brief description of purpose of cruise
Plankton sampling for the International Herring Larvae Survey (an Int. ICES progr.), horizontal and vertical distribution of fish eggs and larvae.
10. Dates and names of intended ports of call
18.09. – 19.09.06 Aberdeen
11. Any special logistic requirement at ports of call
None

DETAIL

PART B

1. Name of research ship **ALKOR** Cruise No. **AL287**

2. Dates of cruise from **06.09.06** to **21.09.06**

3. Purpose of research and general operational methods.

The cruise is part of the ICES International Herring Larvae Surveys in 2006, used gear is a plankton sampler ("Nackthai"), the samples are taken on a standard grid (Stations are 10 nm apart). Additional sampling is intended to get information on vertical and horizontal stratification of zoo- and ichthyoplankton. For this purpose an optical sampling device is used (Ichthyoplanktonrecorder, IPR). Additional sampling is planned by Bongo and Multi-Net.

Net opening and mesh sizes of the gears are: "Nackthai" aperture 20 cm, mesh size 300 µm, IPR opening 19,5 cm and mesh size 300 µm, Bongo 60 cm and 335 µm, Multinet 25 cm and 300 µm.

4. Attach chart showing (on an appropriate scale) the geographical area of the intended work, positions of intended stations, tracks of survey lines, positions of moored/seabed equipment.

Working area is given in the attached map.

Transects of the IPR depend on and will be selected according to the herring larvae distribution.

5. Types of samples required e.g. Geological/Water/Plankton/Fish/Radioactivity/Isotope

Plankton

and methods by which samples will be obtained (including/dredging/coring/drilling).

Double oblique tows with plankton-samplers from surface to near bottom. Undulating tows on larger transects with the Ichthyoplanktonrecorder. A CTD is attached on these samplers to get information on hydrographical data.

6. Details of moored equipment:

None

Dates:

<u>Deployment</u>	<u>tentative Recovery</u>	<u>Description</u>	<u>Latitude</u>	<u>Longitude</u>
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7. Explosives: **None**

- (a) Type and Trade Name
- (b) Chemical content
- (c) Depth of Trade class and stowage
- (d) Size
- (e) Depth of detonation
- (f) Frequency of detonation
- (g) Position in latitude and longitude
- (h) Dates of detonation

8. Detail and reference of

- (a) Any relevant previous/future cruises

The cruise is part of the International Herring Larvae Surveys which have been carried out annually since 1972.

- (b) Any previously published research data relating to the proposed cruise. (Attach separate sheet if necessary)
All data are published yearly by the ICES in "Report of the Herring Assessment Working Group" or in the "Report of the herring larvae survey in the North Sea" (prior to 2003).

9. Names and addresses of scientists of the coastal state in whose waters the proposed cruise takes place with whom previous contact has been made.

***Dr. John Simmonds, Marine Lab. Aberdeen
Dr. Paul Fernandes, Marine Lab. Aberdeen***

10. State:

- (a) Whether visits to the ship in port by scientists of the coastal state concerned will be acceptable.

Yes

- (b) Whether it will be acceptable to carry on board an observer from the coastal state for any part of the cruise and dates and ports of embarkation/disembarkation.

***If observers want to participate in the cruise or parts of it, prior contact to the IfM-Geomar or the cruise leader would be helpful to ensure that ports will be included for embarkation.
Disembarkation will be possible in Aberdeen, 18.09.-19.09.06***

- (c) When research data from the intended cruise is likely to be made available to the coastal state and if so by what means.

The data are available to all states which are members of ICES.

SCIENTIFIC EQUIPMENT

COASTAL STATE

United Kingdom

11. Complete the following table - SEPARATE COPY FOR EACH COASTAL STATE
(INDICATE 'YES' OR 'NO')

			DISTANCE FROM COAST			
List of all major Marine Scientific Equipment it is proposed to use and indicate waters in which it will be deployed.	Fisheries Research Within Fishing Limits	Research concerning Continental Shelf out to coastal state's margin	Within 3 NM	Between 3 - 12 NM	Between 12 - 50 NM	Between 50 - 200 NM
Nackthai, Towed Planktonsampler	Yes	No	Yes	Yes	Yes	Yes
Ichthyoplanktonrecorder Towed optical plankton sampler	Yes	No	Yes	Yes	Yes	Yes
Bongo, Towed Planktonsampler	Yes	No	No	Yes	Yes	Yes
Multinet, Towed multi opening and closing planktonsampler	Yes	No	No	Yes	Yes	Yes
CTD, attached to the planktonsamplers	Yes	No	Yes	Yes	Yes	Yes

(On behalf of the Principal Scientist)

Dated: March, 31st 2006

IFM-GEOMAR
Leibniz-Institut für
Meereswissenschaften
Forschungsschiffe
Düsternbrooker Weg 20
24105 Kiel

Operating Authority *March 31st 2006*

N.B. IF ANY DETAILS ARE MATERIALLY CHANGED REGARDING DATES / AREA OF OPERATION AFTER THIS FORM HAS BEEN SUBMITTED THE COASTAL STATE'S AUTHORITIES MUST BE NOTIFIED IMMEDIATELY.

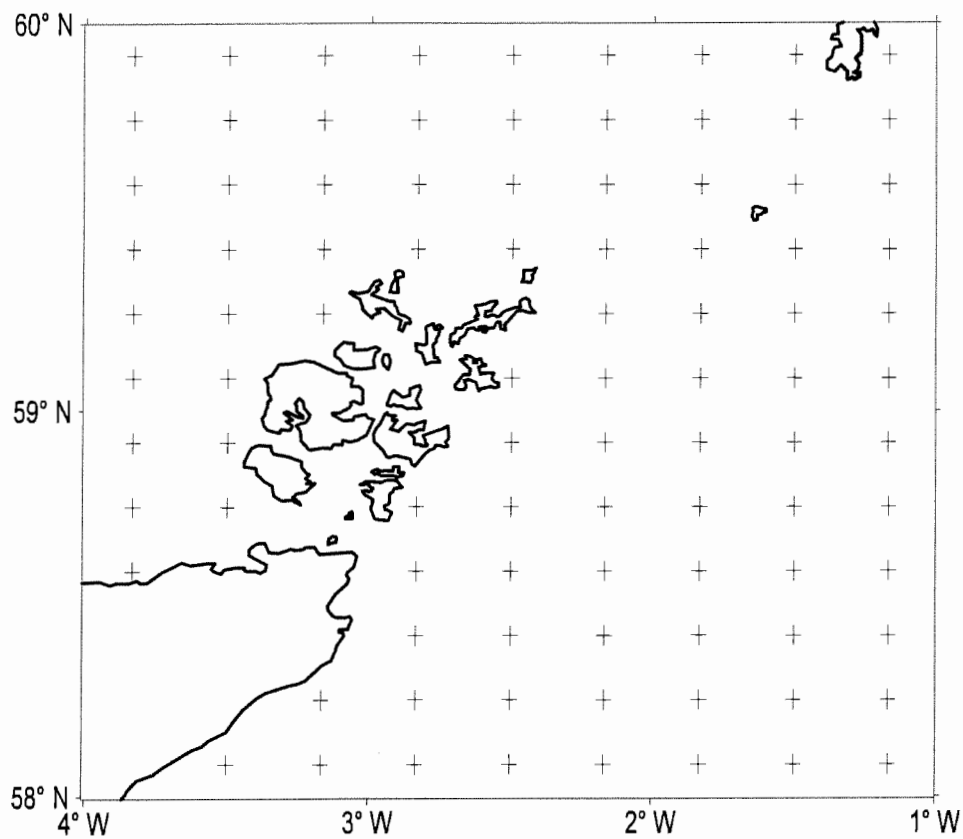


Figure 1: Proposed station grid in the Orkney/Shetland area

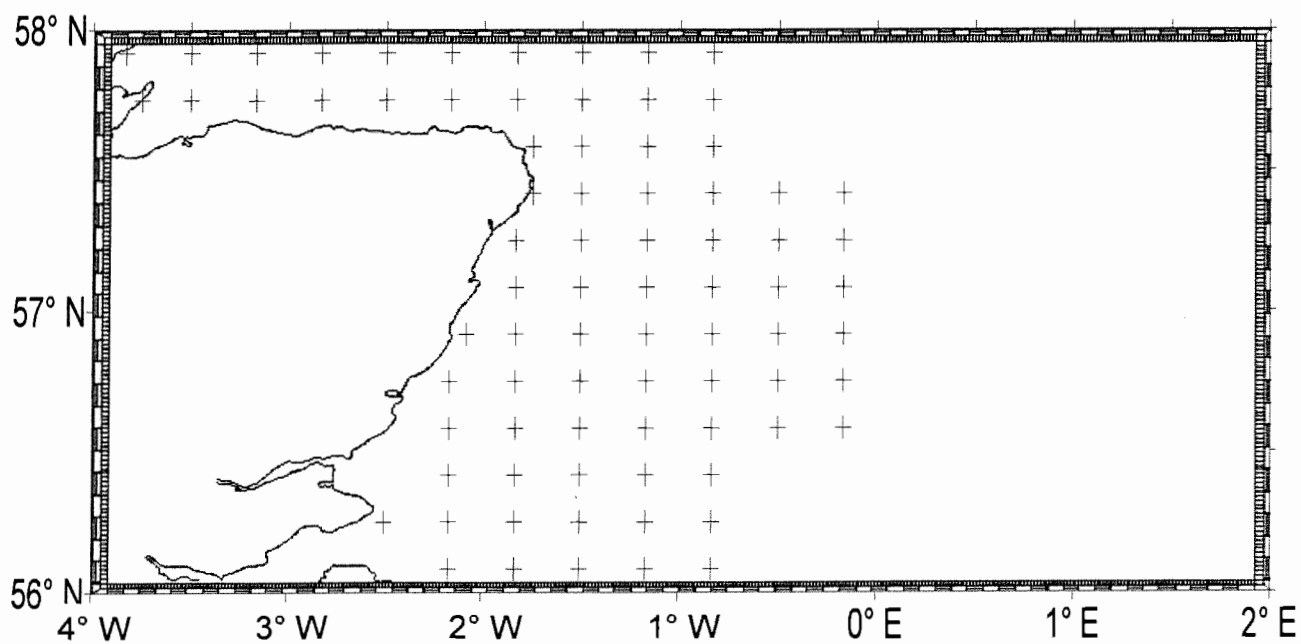


Figure 2: Proposed station grid in the Buchan area