NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART A: GENERAL

1. NAME OF RESEARCH SHIP
   FS ‘POSEIDON’
   CRUISE NO. 300/2

2. DATES OF CRUISE
   From: 19/07/2003 To: 06/08/2003

3. OPERATING AUTHORITY
   Institut fuer Meereskunde an der Universitat Kiel,
   Dusernbrooker Weg 20,
   D-24105 KIEL,
   Germany.
   Telephone: (0431) 600-0
   Facsimile: (0431) 600-1515
   Telex: 67765 dfhh dk
   Email: ifm@ifm.uni-kiel.de

4. OWNER
   (if different from No. 3)

5. PARTICULARS OF SHIP
   NAME: FS ‘POSEIDON’
   NATIONALITY: German
   OVERALL LENGTH: 60.80 metres
   MAXIMUM DRAUGHT: 4.6 metres
   BRT: 1049 BRT
   PROPULSION: Diesel Electric
   CALL SIGN: DBKV
   REGISTERED PORT & NUMBER:
   (if registered fishing vessel)
   TEL: INMARSAT 00871-1120101
   FAX: INMARSAT 00871-1120102

6. CREW
   NAME OF MASTER: H. Mallon
   NO. OF CREW: 18

7. SCIENTIFIC PERSONNEL
   NAME AND ADDRESS OF SCIENTIST IN CHARGE:
   Dr. C. Griffiths, SMAS, Oban, UK
   c/o Dr. T.J. Muller,
   Institut fuer Meereskunde,
   Dusernbrooker Weg 20,
   D-24105 Kiel, Germany.
   TEL./FAX NO: +49 (0) 431-600-4161/4151
   NUMBER OF SCIENTISTS: 12

8. GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE
   (with reference to latitude and longitude)
   Rockall Channel, Ymir Ridge, Wyville Thomson Ridge, Faeroe Bank, Faeroe Bank Channel and
   Faeroe Shetland Channel (N56deg>N61deg, W004deg>W014deg).

9. BRIEF DESCRIPTION OF PURPOSE OF CRUISE
   Occupy Ellet Line hydrographic stations from the Sound of Mull to Rockall.
   Cetacean survey using hydrophones in the Rockall Channel and the Minch.
   Recover two current meter moorings F & M either side of the Anton Dohrn Seamount.
Geochemical/Biological/Physical transects along and across Wyville Thomson Ridge. Deploy 2 current meter moorings on the Ymir Ridge and 1 to the East of the Ridge (Darwin Mounds).

10. **DATES AND NAMES OF INTENDED PORTS OF CALL**
   None

11. **ANY SPECIAL REQUIREMENTS AT PORTS OF CALL**
    None
NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART B: DETAIL

1. **NAME OF RESEARCH SHIP**  
   FS ‘POSEIDON’

2. **DATES OF CRUISE**  
   From: 19/07/2003  
   To: 06/08/2003

3.  
   a) **PURPOSE OF RESEARCH**  
      To conduct Geochemical/Biological/Physical transects in the N.E. Atlantic

   b) **GENERAL OPERATIONAL METHODS**  
      (including full description of any fishing gear trawl type, mesh size, etc.)

      Most of the cruise activity will be based around station work, total number of stations ~50.  
      Maximum water depth will be 2500 m. Underway measurements will be made using a number of  
      oceanographic instruments connected to the ship’s non-toxic water supply as well as  
      meteorological measurements and E/S readings. Hydrophones will also be deployed for part of the 
      cruise to survey Cetacean activity. Agissiez trawl will be deployed to sample Benthic Communities.

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, areas to be fished)

   See map attached

5. **TYPES OF SAMPLES REQUIRED** e.g. Geological/Water/Plankton/Fish/Radioactivity/Isotope and methods by which samples will be obtained (including dredging/coring/drilling)

<table>
<thead>
<tr>
<th>Types of samples</th>
<th>Methods</th>
<th>Instruments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sediment samples</td>
<td>Lowered package</td>
<td>Kasten, Gravity, NIOZ, SMBA multi and Mega corers, day grab</td>
</tr>
<tr>
<td>Seabed photography</td>
<td>Lowered package</td>
<td>Bedhop stills camera</td>
</tr>
<tr>
<td>Water column</td>
<td>Lowered package</td>
<td>SBE CTD + water bottle rosette, Vertical plankton nets</td>
</tr>
<tr>
<td>Benthic samples</td>
<td>Benthic trawl</td>
<td>Agassiz net</td>
</tr>
<tr>
<td>Underway sampling</td>
<td>Acoustic, Atmospheric, sea</td>
<td>Thermistors, UV, E/S, salinometers, optical, fluorometers, ADCP, XBTs &amp;</td>
</tr>
<tr>
<td></td>
<td>surface and water</td>
<td>hydrophones</td>
</tr>
<tr>
<td></td>
<td>measurements</td>
<td></td>
</tr>
</tbody>
</table>

6. **DETAILS OF MOORED EQUIPMENT**

   **DATES:**

<table>
<thead>
<tr>
<th>Deployment</th>
<th>Tentative Recovery</th>
<th>Description</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Depth</th>
<th>Station</th>
</tr>
</thead>
<tbody>
<tr>
<td>July 2003</td>
<td></td>
<td>Single Point Current</td>
<td>N57deg 30.41</td>
<td>W012deg 15.01</td>
<td>1806m</td>
<td>F</td>
</tr>
<tr>
<td></td>
<td></td>
<td>meter Thermistors</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>July 2003</td>
<td></td>
<td>Thermistors</td>
<td>N57deg 18.11</td>
<td>W010deg 23.87</td>
<td>2224m</td>
<td>M</td>
</tr>
<tr>
<td>Jul/Aug 2003</td>
<td>Jul/Aug 2004</td>
<td>Thermistors</td>
<td>N60deg 17.40</td>
<td>W008deg 46.80</td>
<td>710m</td>
<td>N3</td>
</tr>
<tr>
<td>Jul/Aug 2003</td>
<td>Jul/Aug 2004</td>
<td>Thermistors</td>
<td>N60deg 13.30</td>
<td>W008deg 37.30</td>
<td>892m</td>
<td>N2</td>
</tr>
<tr>
<td>Jul/Aug 2003</td>
<td>Jul/Aug 2004</td>
<td>Thermistors</td>
<td>N59deg 49.86</td>
<td>W007deg 20.34</td>
<td>958m</td>
<td>Darwin</td>
</tr>
</tbody>
</table>
7. **ANY HAZARDOUS MATERIALS**  
   (Chemicals, Explosives, Gases, Radioactive etc)  
   (use separate sheet, if necessary)

None

a) **TYPE AND TRADE NAME**

b) **CHEMICAL CONTENT (& FORMULA)**

c) **IMO IMDG CODE REFERENCE & UN. NO.**

d) **QUANTITY & METHOD OF STOWAGE ON BOARD**
8. DETAIL & REFERENCE OF

a) ANY RELEVANT PREVIOUS/FUTURE CRUISES

RRS Discovery (257) Sep/Oct 2001
RRS Discovery Aug/Sep 2004
RV Scotia Oct 2003 and May 2004

b) ANY PREVIOUSLY PUBLISHED DATA RELATING TO THE PROPOSED CRUISE

All historical cruise data from previous SAMS cruises has been banked with the British Oceanographic Data Centre, Birkenhead (www.bodc.ac.uk)

9. NAMES AND ADDRESSES OF SCIENTISTS OF THE COASTAL STATE(S) IN WHOSE WATERS THE PROPOSED CRUISE TAKES PLACE WITH WHOM PREVIOUS CONTACT HAS BEEN MADE

Professor Graham Shimmield, Scottish Association for Marine Science, Oban, Argyll, Scotland, UK
Dr. Bogi Hanssen, Fisheries Laboratory of the Faroes, Box 3051, FO-110 Torshavn, Faeroe Islands

10. STATE

a) WHETHER VISITS TO THE SHIP IN PORT BY SCIENTISTS OF THE COASTAL STATE CONCERNED WILL BE ACCEPTABLE

Yes

b) PARTICIPATION OF AN OBSERVER FROM THE COASTAL STATE FOR ANY PART OF THE CRUISE TOGETHER WITH THE DATES AND PORTS FOR EMBARKATION/DISEMBARKATION

Yes

c) WHEN RESEARCH DATA FROM THE INTENDED CRUISE IS LIKELY TO BE MADE AVAILABLE TO THE COASTAL STATE AND BY WHAT MEANS

Data will be banked within one year with the British Oceanographic Data Centre. A cruise report will be available 3 months after the completion of the cruise.
### PART C: SCIENTIFIC EQUIPMENT

**COASTAL STATE:** United Kingdom  
**PORT CALL:**  
**DATES:**

11. **COMPLETE THE FOLLOWING TABLE - SEPARATE PAGE FOR EACH COASTAL STATE**  
(Indicate “Yes” or “No”)

<table>
<thead>
<tr>
<th>List of all major Marine Scientific Equipment it is proposed to use and indicate waters in which it will be deployed</th>
<th>Fisheries Research Within Fishing Limits</th>
<th>Research concerning Continental Shelf out to coastal state’s margin</th>
<th>Within 3 nm</th>
<th>Between 3 - 12 nm</th>
<th>Between 12 - 50 nm</th>
<th>Between 50 - 200 nm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bathymetry CTD &amp; water samples Seabed sampling - corers/grabs Seabed photography Plankton nets Acoustic seabed sampling Atmospheric sampling Agissez benthic trawl XBTs Hydrophone survey</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Moorings with current meters, Thermistors, conductivity and pressure sensors</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

(On behalf of the Principal Scientist)

**Dated**

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