

## NOTIFICATION OF PROPOSED RESEARCH CRUISE

### PART A: GENERAL

1. *NAME OF RESEARCH SHIP* Gauss *CRUISE NO.* 405
2. *DATES OF CRUISE* From: 28/07/2003 To: 13/08/2003
3. *OPERATING AUTHORITY* Bundesamt fr Seeschiffahrt und Hydrographie,  
Bernhard-Nocht-Strasse 78,  
20359 Hamburg (Germany).  
  
Telephone: +49 40/31 90 0  
Facsimile: 31 90-5000  
Telex: 211138 bmvhhd
4. *OWNER*  
(if different from No. 3)
5. *PARTICULARS OF SHIP*  
*NAME:* Gauss  
*NATIONALITY:* German  
*OVERALL LENGTH:* 69.0 metres  
*MAXIMUM DRAUGHT:* 4.6 metres  
*NET TONNAGE:* 514  
*PROPULSION:* Diesel Electric  
*CALL SIGN:* D B B X  
*REGISTERED PORT & NUMBER:*  
(if registered fishing vessel)
6. *CREW*  
*NAME OF MASTER:* B. Ahrens  
*NO. OF CREW:* 19
7. *SCIENTIFIC PERSONNEL*  
*NAME AND ADDRESS OF SCIENTIST IN CHARGE:* Dr. Gerd Becker  
Bundesamt fr Seeschiffahrt und  
Hydrographie,  
20305 Hamburg,  
P.O. Box 30 12 20  
  
*TELEPHONE NO:* +49 40 31 90-32 00  
*TELEFAX NO:*  
  
*NUMBER OF SCIENTISTS:* 12
8. *GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE*  
(with reference to latitude and longitude)  
North Sea 52deg N - 60deg N / 03deg W - 09deg E German Bight
9. *BRIEF DESCRIPTION OF PURPOSE OF CRUISE*  
Investigation, during the summer, of the hydrographic situation, oxygen conditions and the concentration of plankton, nutrients and organic pollutants; test of oceanographic equipment
10. *DATES AND NAMES OF INTENDED PORTS OF CALL*  
Between 03 and 06 August 2003 Aberdeen/UK for approximately 48 hours
11. *ANY SPECIAL REQUIREMENTS AT PORTS OF CALL*  
None

# NOTIFICATION OF PROPOSED RESEARCH CRUISE

## PART B: DETAIL

1. *NAME OF RESEARCH SHIP* Gauss *CRUISE NO.* 405
2. *DATES OF CRUISE* From: 28/07/2003 To: 13/08/2003
3. *PURPOSE OF RESEARCH & GENERAL OPERATIONAL METHODS*

Investigation of the hydrographic situation of the North Sea during the summer with CTD measurements and continuous Delphon-tracks (towed CTD system)

Chlorophyll-fluorescence, plankton samples, nutrients and organic pollutants
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)

see attached chart
5. a) *TYPES OF SAMPLES REQUIRED*

(e.g. Geological/Water/Plankton/Fish/Radioactivity/Isotope)

Hydrographic parameters: S, T, O<sub>2</sub>

Samples: water, plankton, sediment

b) *METHODS OF OBTAINING SAMPLES*  
(e.g. dredging/coring/drilling)

Water samples by CTD-Rosette for calibration of the CTD

Additional equipment of the CTD is a O<sub>2</sub> - and a transmission sensor

Plankton nets

Gemini corer (Norwegian Trench)
6. *DETAILS OF MOORED EQUIPMENT*

*DATES:* None

<u>Laying</u>	<u>Recovery</u>	<u>Description</u>	<u>Depth</u>	<u>Latitude</u>	<u>Longitude</u>
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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*
  - e) *IF EXPLOSIVES GIVE DATE(S) OF DETONATION*
    - *Method of detonation*
    - *Position of detonation*
    - *Frequency of detonation*

- *Depth of detonation*
- *Size of explosive charge in Kgs*

8. *DETAIL & REFERENCE OF*

a) *ANY RELEVANT PREVIOUS/FUTURE CRUISES*

Cruise No. 370 of RV "Gauss" July 2001

Cruise No. 385 of RV "Gauss" July 2002

b) *ANY PREVIOUSLY PUBLISHED DATA RELATING TO THE PROPOSED CRUISE*

Cruise Report

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*

None

10. STATE

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

Port of Aberdeen/UK

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

No

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

T and S data within 1 or 2 years, report of publication (DOD, ICES)

Oxygen, nutrients within 6 months

**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")

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 NM	DISTANCE FROM COAST		
				BETWEEN 0 - 12 NM	BETWEEN 12 - 50 NM	BETWEEN 50 AND 200 NM
CTD with water samples (12 x 20 l) + 200 ml sample for calibration of the CTD (about 200 bottles)	No	No		Yes	Yes	Yes
Towed CTD-System	No	No		No	Yes	Yes
CTD-Probe	No	No		No	Yes	Yes
In-situ fluorescence probe	No	No		Yes	Yes	Yes
Plankton nets	No	No		Yes	Yes	Yes

(On behalf of the Principal Scientist)

Dated 14<sup>th</sup> January 2003

**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.**