

**GENERAL (UK)**  
**PART A**

1	Name of research ship:	GAUSS	Cruise No 446
2	Dates of cruise:	From 10 <sup>th</sup> August 2005 To 30 <sup>th</sup> August 2005	
3	Operating Authority:	Bundesamt für Seeschifffahrt und Hydrographie Bernhard-Nocht-Straße 78, 20359 Hamburg Telephone +49 40 31 90 - 0 Telex 211138 bmvhhd Telefax +49 40 31 90-5000	
4	Owner (if different from para 3)		
5	Particulars of ship:	Name GAUSS Nationality GERMANY Overall length 69,0 metres Maximum draught 4,6 metres Net Tonnage 514 Propulsion Diesel Electric Call Sign DBBX	
6	Crew:	Name of Master J. Schütt No. of Crew 19	
7	Scientific personnel:	Name and address of scientist in charge: Dr. Gerd Becker Bundesamt für Seeschifffahrt und Hydrographie 20305 Hamburg P.O. Box 30 12 20 Tel.No. + 49 40 31 90-32 00 No. of scientist 12	
8	Geographical area in which will operate (state latitude and longitude):	North Sea, Channel 48°N - 60°N / 06°W - 09°E German Bight	
9	Brief description of purpose of cruise:	Investigation of the summerly hydrographic situation, oxygen conditions and the concentration of plankton, nutrients and organic pollutants; radioactivity test of oceanographic equipment	
10	Dates and names of intended ports of call:	Between 22 <sup>th</sup> and 25 <sup>th</sup> August 2005 Aberdeen/UK for appr. max. 48 hours	
11	Any special logistic requirements in ports of call:	None	

**GENERAL**  
**PART B**

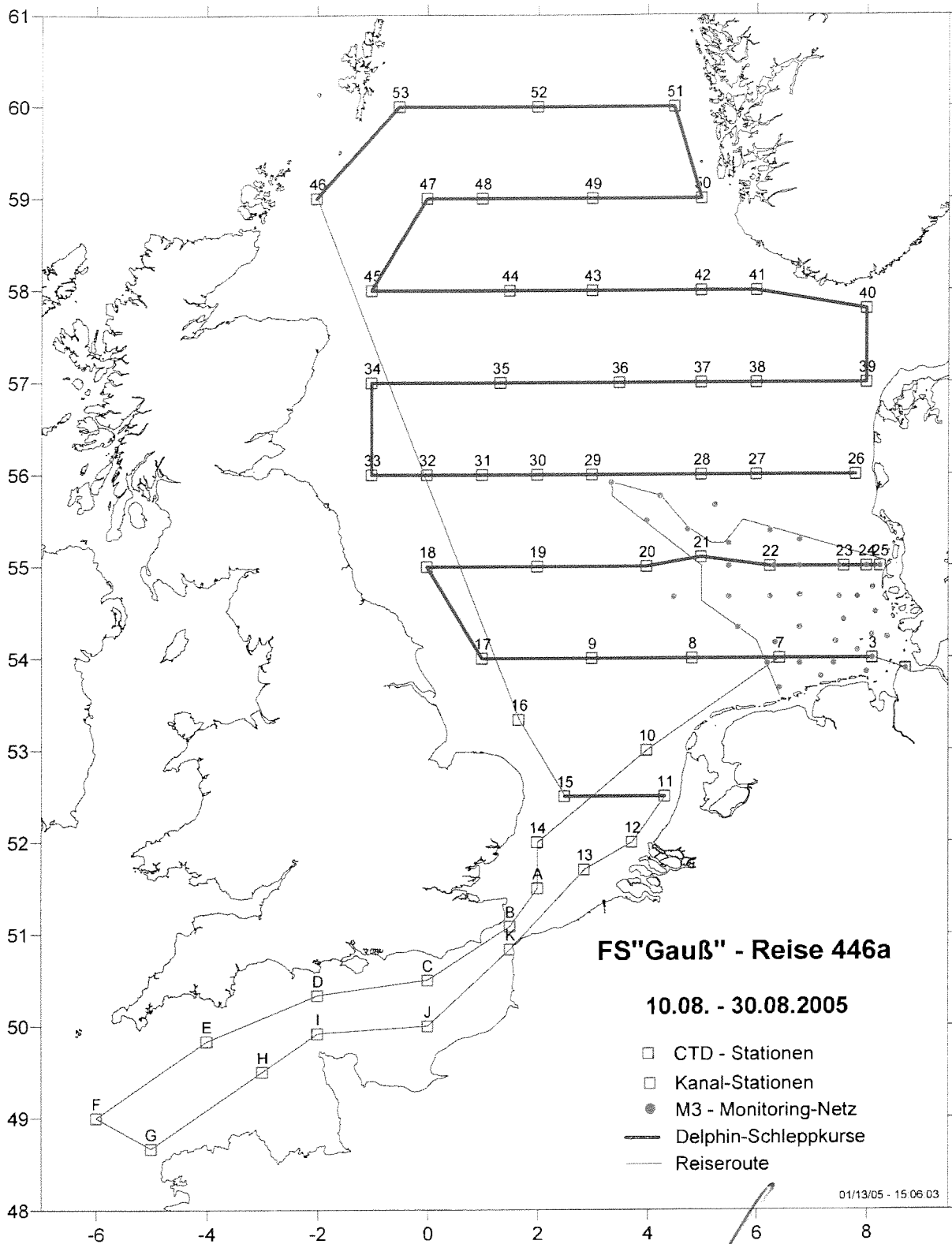
1	Name of research ship:	GAUSS Cruise No 446
2	Dates of cruise:	From 10 <sup>th</sup> August 2005 To 30 <sup>th</sup> August 2005
3	Purpose of research and general operational methods	Investigation of the summerly hydrographic situation of the North Sea with CTD measurements and continuous Delphin-tracks (towed CTD-System); chlorophyll-fluorescens, plankton samples, nutrients and organic pollutants, radioactivity
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 chartlet
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)	Hydrographic parameters: S, T, O <sub>2</sub>  samples: water, plankton, sediment, radioactivity  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:  <u>Dates</u> <u>Laying</u> <u>Recovery</u> <u>Description</u> <u>Latitude</u> <u>Longitude</u>	None

7	<p>Explosives:</p> <p>a) Type and Trade Name  b) Chemical content  c) Dept of Trade and stowage  d) Size  e) Depth of detonation  f) Frequency of detonation  g) Position in latitude and longitude  h) Dates of detonation</p>	None
8	<p>Detail and reference of</p> <p>a) any relevant previous/  future cruises</p> <p>b) Any previously published  research data relating to the  proposed cruise. (Attach  separate sheet if necessary)</p>	<p>Cruise No. 370 of RV "GAUSS" July 2001  385 of RV "GAUSS" July 2002  405 of RV "GAUSS" August 2003  425 of RV "GAUSS" August 2004</p> <p>Cruise Report</p>
9	<p>Name and addresses of scientists of  the coastal state in whose waters the  proposed cruise takes place with  whom previous contact has been made</p>	None
10	<p>State:</p> <p>a) Whether visits to the ship in port by  scientists of the coastal state will be  acceptable</p> <p>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</p>	<p>Yes</p> <p>Port of Aberdeen/UK</p> <p>No</p>
11	<p>When research data from intended  cruise is likely to be made available to  the coastal state and if so by what  means.</p>	<p>T and S data within 1 or 2 years, report of publication  (DOD, ICES);</p> <p>oxygen, nutrients within 6 months</p>

Scientific EquipmentUNITED KINGDOM

- 11 Complete the following table  
separate copy for each coastal state  
(indicate "Yes" or "No")

List of all mayor 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	Distance from coast			
			within NM	Betw. 0-12 NM	Betw. 12-50 NM	Betw. 50-200 NM
CTD with water samples (12 x 10 l) + 200 ml sample for calibration of the CTD (about 200 bottles)	No	No		Yes	Yes	Yes
towed CTD-System	No	No		Yes	Yes	Yes
CTD-Probe	No	No		Yes	Yes	Yes
In-situ fluorescence probe	No	No		Yes	Yes	Yes
Plankton nets	No	No		Yes	Yes	Yes





Station	N°	N'	N	EW°	EW'	EW	ETA / MESZ	Bem.
10	53		0 N	4		0 E	11.8.05	
14	52		0 N	2		0 E	11.8.05	
A	51	30	N	2		0 E	11.8.05	
B	51	5	N	1	30	E	11.8.05	
C	50	30	N	0		0 E	12.8.05	
D	50	20	N	2		0 W	12.8.05	
E	49	50	N	4		0 W	12.8.05	
F	49	0	N	6		0 W	13.8.05	
G	48	40	N	5		0 W	13.8.05	
H	49	30	N	3		0 W	13.8.05	
I	49	55	N	2		0 W	13.8.05	
J	50	0	N	0		0 E	14.8.05	
K	50	50	N	1	30	E	14.8.05	
13	51	42,2	N	2	51,4	E	14.8.05	
12	52	0	N	3	44	E	14.8.05	
11	52	30	N	4	20	E	15.8.05	
15	52	30	N	2	30	E	15.8.05	
16	53	20	N	1	40	E	15.8.05	
46	59	0	N	2		0 W	17.8.05	
53	60	0	N	0	30	W	17.8.05	
52	60	0	N	2		0 E	17.8.05	
51	60	0	N	4	30	E	18.8.05	
50	59	0	N	5		0 E	18.8.05	
49	59	0	N	3		0 E	18.8.05	
48	59	0	N	1		0 E	18.8.05	
47	59	0	N	0		0 E	19.8.05	
45	58	0	N	1		0 W	19.8.05	
44	58	0	N	1	30	E	19.8.05	
43	58	0	N	3		0 E	20.8.05	
42	58	0	N	5		0 E	20.8.05	
41	58	0	N	6		0 E	20.8.05	
40	57	48	N	8		0 E	20.8.05	
39	57	0	N	8		0 E	21.8.05	
38	57	0	N	6		0 E	21.8.05	
37	57	0	N	5		0 E	21.8.05	
36	57	0	N	3	30	E	21.8.05	
35	57	0	N	1	20	E	22.8.05	
34	57	0	N	1		0 W	22.8.05	
	57	8,4	N	2	10,8	W	22.8.05	an Aberdeen
	57	8,4	N	2	10,8	W	23.8.05	ab Aberdeen
33	56	0	N	1		0 W	24.8.05	
32	56	0	N	0		0 E	24.8.05	
31	56	0	N	1		0 E	24.8.05	
30	56	0	N	2		0 E	24.8.05	
29	56	0	N	3		0 E	24.8.05	
28	56	0	N	5		0 E	25.8.05	
27	56	0	N	6		0 E	25.8.05	
26	56	0	N	7	48	E	25.8.05	
25	55	0	N	8	15	E	25.8.05	
24	55	0	N	8		0 E	25.8.05	
23	55	0	N	7	35	E	26.8.05	
22	55	0	N	6	15	E	26.8.05	
21	55	6	N	5		0 E	26.8.05	





20	55	0 N	4	0 E	26.8.05
19	55	0 N	2	0 E	27.8.05
18	55	0 N	0	0 E	27.8.05
17	54	0 N	1	0 E	27.8.05
9	54	0 N	3	0 E	28.8.05
8	54	0 N	4	50 E	28.8.05
7	54	0 N	6	25 E	28.8.05
3	54	0 N	8	6,5 E	28.8.05

