

24.09.2010

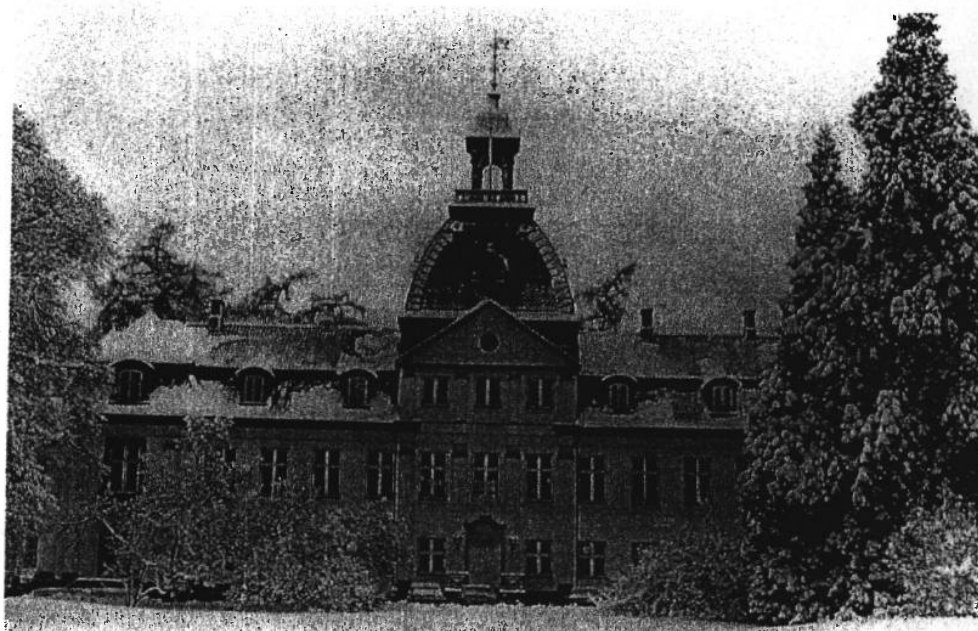
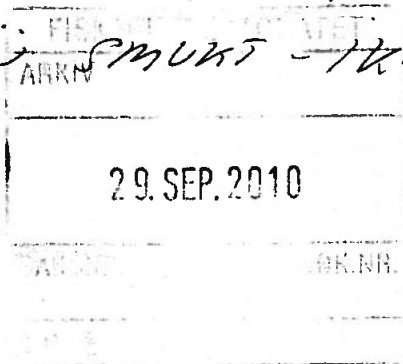
KÆRE EILIF

HERMED 2 TOGTANSØGNINGER  
OM SEJLADS I NORSK FARVAND.

BILLETET ER MIN ARBEJDSPLADS  
OM VINTEREN. ☺ SMUKT - TAKKE ?

MANGE HILSENER

Anna



DANMARKS FISKERI- og HAVUNDERSØGELSER  
CHARLOTTENLUND SLOT

**NOTIFICATION OF PROPOSED RESEARCH CRUISE**

Norway

PART A. GENERAL

- |     |  |   |                                    |              |
|-----|--|---|------------------------------------|--------------|
| 1.  | <u>NAME OF RESEARCH SHIP</u>   | <b>Pernille Kim L151 OUOS</b>   | <u>CRUISE NO.</u>                  | Tobis – L151 |
| 2.  | <u>DATES OF CRUISE</u>   | <u>FROM</u> 22.11.2010  | <u>TO</u> 08.12.2010               |              |
| 3.  | <u>OPERATING AUTHORITY</u>   | <b>DTU-Aqua</b><br><b>Charlottenlund Slot</b><br><b>DK - 2920 Charlottenlund</b><br><b>Telephone: 33963300 Fax: 33963333 E-mail: hfi@dfu.min.dk</b> |                                    |              |
| 4.  | <u>OWNER (if different for para.3)</u>   | <b>Jens Thorbaek</b><br><b>Havnegade 52</b><br><b>DK 7680 Thyborøn</b>  |                                    |              |
| 5.  | <u>PARTICULARS OF SHIP</u>   | <u>NAME</u>   | <b>Pernille Kim OUOS</b>           |              |
|     |  | <u>NATIONALITY</u>  | <b>Danish</b>                      |              |
|     |  | <u>OVERALL LENGTH</u>   | <b>39, 45 m.</b>                   |              |
|     |  | <u>MAXIMUM DRAUGHT</u>  | <b>7 m.</b>                        |              |
|     |  | <u>NETT TONNAGE</u>   | <b>147</b>                         |              |
|     |  | <u>PROPULSION</u>   | <b>MAN B&amp;W Alfa – 1200 BHP</b> |              |
|     |  | <u>CALL SIGN</u>  | <b>OUOS</b>                        |              |
|     |  | <u>REGISTRATION PORT &amp; NUMBER</u>   | (if reg. fishing vessel)           |              |
| 6.  | <u>CREW</u>  | <u>NAME OF MASTER</u>   | <b>Jens Thorbaek</b>               |              |
|     |  | <u>NUMBER OF CREW</u>   | <b>4</b>                           |              |
| 7.  | <u>SCIENTIFIC PERSONNEL</u>  | <u>NAME AND ADDRESS OF</u>  | Marie Storr-Paulsen                |              |
|     |  | <u>SCIENTIST IN CHARGE</u>  | DTU-Aqua                           |              |
|     |  |   | Charlottenlund Castle              |              |
|     |  |   | DK-2920 Charlottenlund, Denmark    |              |
|     |  | <u>TEL/TELEX/FAX NO</u>   | 33963300 // 33963333               |              |
|     |  | <u>NUMBER OF SCIENTISTS</u>   | 2 (Hans J. Olesen + Dirk Tijssen)  |              |
| 8.  | <u>GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE (with reference in Latitude and Longitude):</u>                  |   |                                    |              |
|     | 53° N - 58° N , 1° E – 8° E  |   |                                    |              |
| 9.  | <u>BRIEF DESCRIPTION OF PURPOSE OF CRUISE:</u> Anvendelse af modificeret muslingskraber til indsamling af tobis. |   |                                    |              |
| 10. | <u>DATES AND NAMES OF INTENDED PORTS OF CALL:</u> None   |   |                                    |              |
| 11. | <u>ANY SPECIAL REQUIREMENTS AT PORTS OF CALL:</u> None   |   |                                    |              |

**NOTIFICATION OF PROPOSED RESEARCH CRUISE**

PART B. GENERAL

1. NAME OF RESEARCH SHIP **Pernille Kim L151** CRUISE NO. Tobis – L151

2. DATES OF CRUISE FROM 22.11.2010 TO 08.12.2010

3. a) PURPOSE OF RESEARCH

Analysis of biological key parameters, population structure and population dynamics of the lesser sandeel (*Ammodytes marinus*) in the North Sea, based on detailed information about the sandeel fishery.

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

A modified scallop dredge with a cod end with meshes of 5mm

Van Veen 0.1 m<sup>2</sup> grab + Van Veen 0.2 m<sup>2</sup> grab

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

5. a) TYPES OF SAMPLES REQUIRED eg Geological/water/plankton/fish/radionuclide:

Sandeels and sediment samples

b) METHODS OF OBTAINING SAMPLES e.g. dredging/coring/drilling/fishing etc.)

Dredging with a modified scallop dredge and seabed sampling using a Van Veen grab.

6a. DETAILS OF MOORED EQUIPMENT:

Dates: **None**

<u>Laying</u>	<u>Recovery</u>	<u>Description</u>	<u>Latitude</u>	<u>Longitude</u>
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7. ANY HAZARDOUS MATERIALS e.g. chemicals/explosives/gases/radioactives etc)

**None**

(a) TYPE OF TRADE NAME

(b) CHEMICAL CONTENT (& FORMULA)

(c) IMO IMDG CODE Reference & UN Number

(d) QUANTITY & METHODS 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:

(b) ANY PREVIOUSLY PUBLISHED RESEARCH DATA RELATING TO THE PROPOSED CRUISE:

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

**Tore Johannessen (E-mail: [torejo@IMR.no](mailto:torejo@IMR.no))**

**Havforskningsinstituttet**

**Post Box 1870**

**5817 Bergen**

10. STATE:

(a) WHETHER VISITS TO THE SHIP IN PORT BY SCIENTIST 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 THE PORTS FOR EMBARKATION/DISIMBARKATION:

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

12. SCIENTIFIC EQUIPMENT

COASTAL STATE:

Norway

PORT CALL:

COMPLETE THE FOLLOWING TABLE --  
SEPARATE COPY FOR EACH COASTAL STATE

DATES:

INDICATE "YES" OR "NO"

<u>LIST SCIENTIFIC WORK BY FUNCTION</u>	WATER COLUMN INCLUDING SEDIMENT SAMPLING OF THE SEABED	FISHERIES RESEARCH WITHIN FISHING LIMITS	RESEARCH CONCERNING THE NATURAL RESOURCES OF THE CONTINENTAL SHELF OR ITS PHYSICAL CHARACTERISTICS	<u>DISTANCE FROM COAST</u>		
				WHITIN 12 NMS	BETWEEN 12-200 NMS	CONTINENTAL SHELF WORK ONLY: BEYOND 100 NM BUT WITHIN THE CONTINENTAL MARGIN
e.g. : MAGNETOMETRY: GRAVITY DIVING: SEISMICS: BATHYMETRY: SEABED SAMPLING: TRAWLING: ECHO SOUNDING: WATER SAMPLING U/W T.V.: MOORED INSTRUMENTS: TOWED INSTRUMENTS:						
Trawling	No	No	No	No	No	No
ISACC-KIDD, MIK	No	No	No	No	No	No
Water Sampling	No	No	No	No	No	No
CTD sonde	No	No	No	No	No	No
Echo sounding	No	No	No	No	No	No
Van Veen				No	Yes	
Modified scallop dredge				No	Yes	

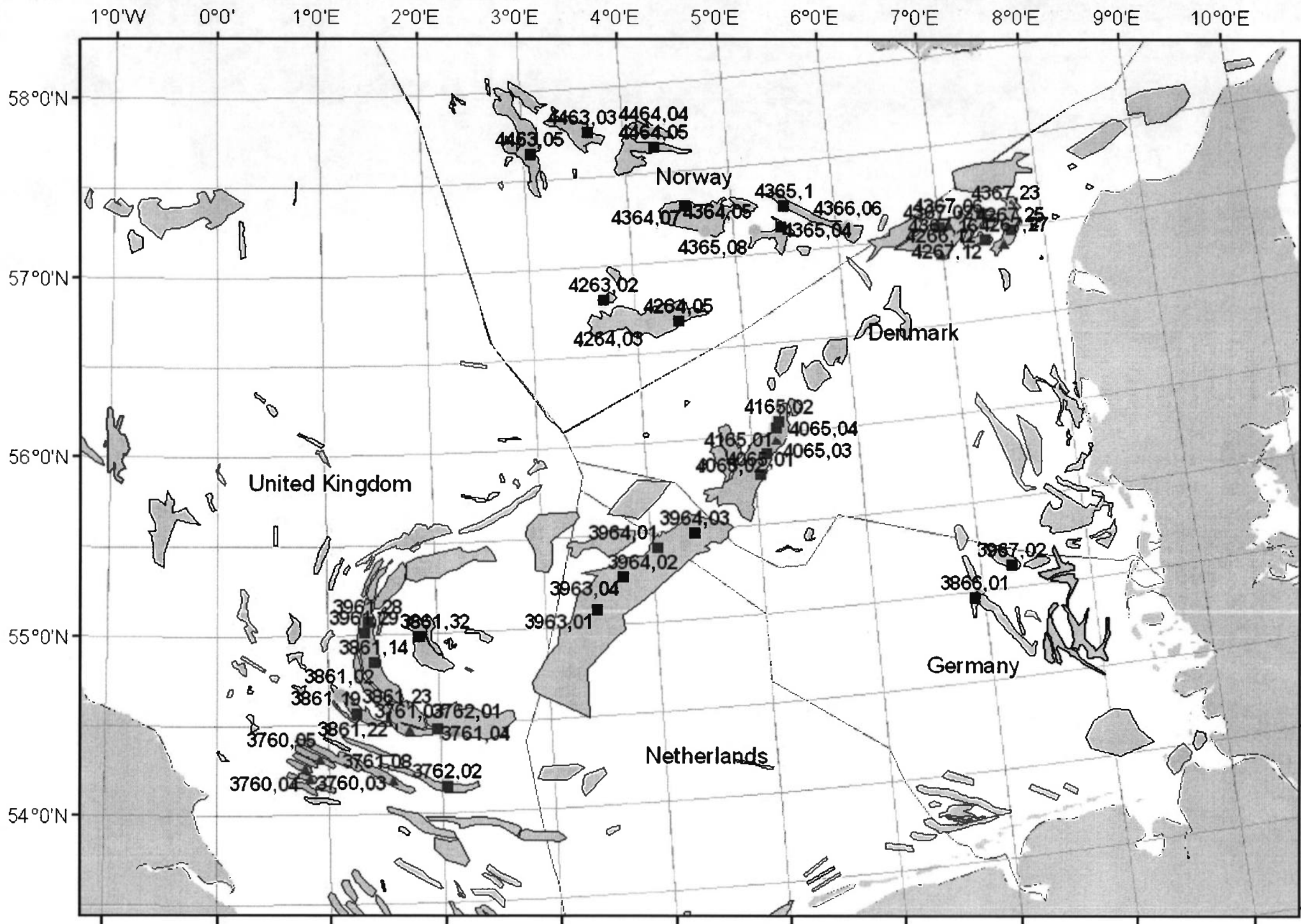
Nina Holm



(On behalf of the Principal Scientist)

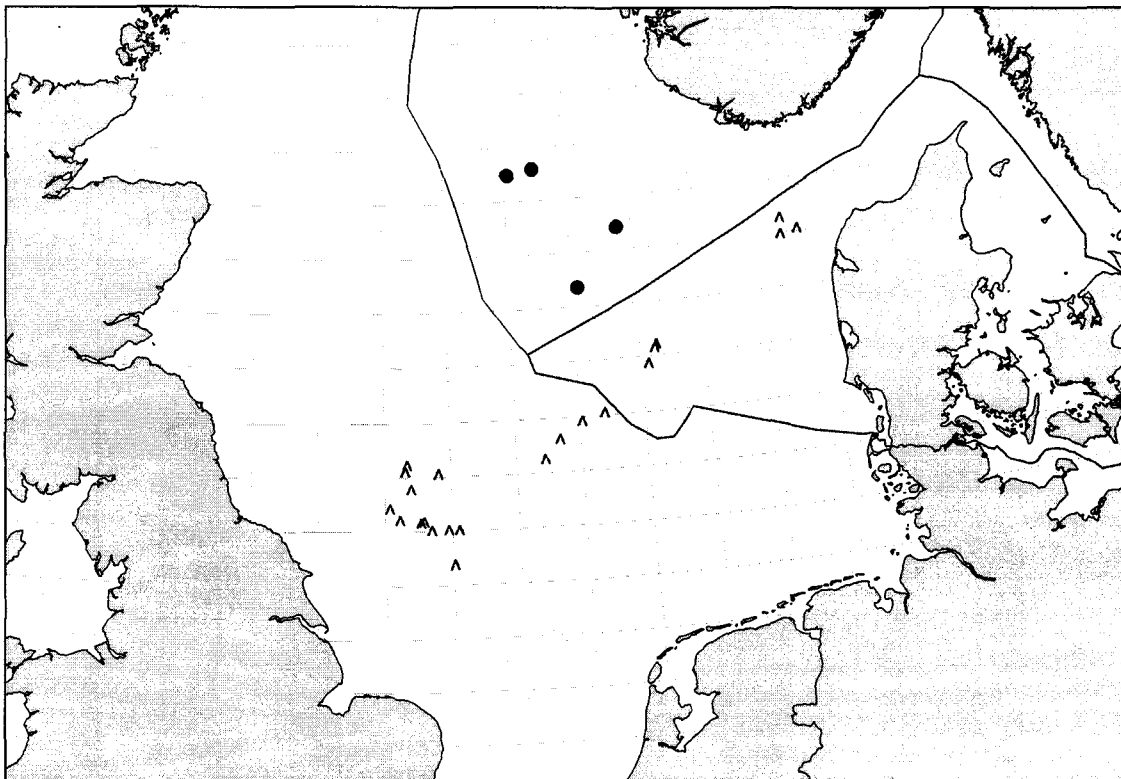
Dated: ...21.09..... 2010

NB 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.



## Positioner – togt med chartret fartøj december 2010 - Norge

Position	Latdec	Longdec	Ground	Lat deg	Lat min	Long deg	Long min	E/W
1	57.08	7.67	Jydske Rev	57	4.83	7	40.21	E
2	56.98	7.69	Jydske Rev	56	59.04	7	41.59	E
3	56.91	7.60		56	54.60	7	36.00	E
4	56.94	7.42	Jydske Rev	56	56.50	7	25.43	E
5	57.09	7.44	Pigekammen	57	5.46	7	26.59	E
6	57.03	7.30	Tailend	57	1.80	7	18.15	E
7	57.05	7.10	Hvarre Banken	57	3.15	7	6.23	E
8	57.04	7.00	Hvarre Banken	57	2.52	7	0.28	E
9	56.89	6.99	Hvarre Banken	56	53.58	6	59.17	E
10	56.06	5.29	Tailend	56	3.60	5	17.40	E
11	56.03	5.26	Tailend	56	1.80	5	15.60	E
12	56.00	5.30	Tailend	56	0.00	5	18.10	E
13	55.97	5.25	Tailend	55	58.00	5	15.00	E
14	55.89	5.15	Tailend	55	53.40	5	9.00	E
15	55.78	5.07	Tailend	55	46.98	5	4.00	E
16	55.49	4.42	Elbov Spit kant	55	29.30	4	25.00	E
17	55.42	4.07	Elbov Spit kant	55	25.00	4	4.00	E
18	54.99	1.85	Rute 18	54	59.25	1	50.93	E
20	55.08	1.38	N.W. Rough	55	4.51	1	22.88	E
21	55.02	1.35	N.W. Rough	55	1.00	1	21.00	E
22	54.85	1.43	Dogger	54	51.17	1	25.98	E
24	54.67	1.11	Dogger	54	40.22	1	6.68	E
25	54.54	1.57	Lissis Revle	54	32.30	1	34.30	E
26	54.47	1.73	Pach	54	28.00	1	44.00	E
27	54.47	1.98		54	28.00	1	59.00	E
28	54.15	2.06	Outer Weel Bank	54	9.00	2	3.60	E
29	57.74	3.08		57	44.40	3	4.80	E
30	57.81	3.49		57	48.60	3	29.40	E
31	57.23	4.78		57	13.80	4	46.80	E
32	56.68	4.08		56	40.80	4	4.80	E



## Positioner – togt med chartret fartøj december 2010 - Norge

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2	56.98	7.69	Jydske Rev	56	59.04	7	41.59	E
3	56.91	7.60		56	54.60	7	36.00	E
4	56.94	7.42	Jydske Rev	56	56.50	7	25.43	E
5	57.09	7.44	Pigekammen	57	5.46	7	26.59	E
6	57.03	7.30	Tailend	57	1.80	7	18.15	E
7	57.05	7.10	Hvarre Banken	57	3.15	7	6.23	E
8	57.04	7.00	Hvarre Banken	57	2.52	7	0.28	E
9	56.89	6.99	Hvarre Banken	56	53.58	6	59.17	E
10	56.06	5.29	Tailend	56	3.60	5	17.40	E
11	56.03	5.26	Tailend	56	1.80	5	15.60	E
12	56.00	5.30	Tailend	56	0.00	5	18.10	E
13	55.97	5.25	Tailend	55	58.00	5	15.00	E
14	55.89	5.15	Tailend	55	53.40	5	9.00	E
15	55.78	5.07	Tailend	55	46.98	5	4.00	E
16	55.49	4.42	Elbov Spit kant	55	29.30	4	25.00	E
17	55.42	4.07	Elbov Spit kant	55	25.00	4	4.00	E
18	54.99	1.85	Rute 18	54	59.25	1	50.93	E
20	55.08	1.38	N.W. Rough	55	4.51	1	22.88	E
21	55.02	1.35	N.W. Rough	55	1.00	1	21.00	E
22	54.85	1.43	Dogger	54	51.17	1	25.98	E
24	54.67	1.11	Dogger	54	40.22	1	6.68	E
25	54.54	1.57	Lissis Revle	54	32.30	1	34.30	E
26	54.47	1.73	Pach	54	28.00	1	44.00	E
27	54.47	1.98		54	28.00	1	59.00	E
28	54.15	2.06	Outer Weel Bank	54	9.00	2	3.60	E
29	57.74	3.08		57	44.40	3	4.80	E
30	57.81	3.49		57	48.60	3	29.40	E
31	57.23	4.78		57	13.80	4	46.80	E
32	56.68	4.08		56	40.80	4	4.80	E

