

CRUISE SUMMARY REPORT

FOR COLLATING CENTRE USE

Centre: **DOD** Ref. No.: **20020217**

Is data exchange

☐☐☐

restricted

Yes

In part

No

SHIP enter the full name and international radio call sign of the ship from which the data were collected, and indicate the type of ship, for example, research ship; ship of opportunity, naval survey vessel; etc.

Name: **Alkor**

Call Sign: **DBND**

Type of ship: **Research Vessel**

CRUISE NO. / NAME **Alkor 237-1**

enter the unique number, name or acronym assigned to the cruise (or cruise leg, if appropriate).

CRUISE PERIOD start **07/05/2004** to **14/05/2004** end
(set sail) day/ month/ year day/ month/ year (return to port)

PORT OF DEPARTURE (enter name and country) **Kiel**

PORT OF RETURN (enter name and country) **Bremerhaven**

RESPONSIBLE LABORATORY enter name and address of the laboratory responsible for coordinating the scientific planning of the cruise

Name: **Institut für Ostseeforschung (IOW)**

Address: **Seestraße 15, 18119 Rostock Warnemünde**

Country: **Germany**

CHIEF SCIENTIST(S) enter name and laboratory of the person(s) in charge of the scientific work (chief of mission) during the cruise.

Dr. Jörg Dutz; Institut für Ostseeforschung (IOW)

OBJECTIVES AND BRIEF NARRATIVE OF CRUISE

enter sufficient information about the purpose and nature of the cruise so

as to provide the context in which the report data were collected.

GLOBEC Project: The project aims for a better understanding of the interactions between zooplankton and fish under the influence of physical processes in order to elucidate the principal mechanisms accounting for the high variability of copepod production and of reproductive success of fishes.

Water samples, rosette, CTD, fluorescence probe, plankton nets (Bongo, WP-2, Nansen, IKS-80, Kiel Multinet), Isaacs-Kid-Midwater-Trawl - IKMT (for nekton and macro-zoobenthos)

PROJECT (IF APPLICABLE)

if the cruise is designated as part of a larger scale cooperative project (or expedition), then enter the name of the project, and of organisation responsible for co-ordinating the project.

Project name: GLOBEC

Coordinating body: Institut für Ostseeforschung (IOW)

PRINCIPAL INVESTIGATORS:

Enter the name and address of the Principal Investigators responsible for the data collected on the cruise and who may be contacted for further information about the data. (The letter assigned below against each Principal Investigator is used on pages 2 and 3, under the column heading 'PI', to identify the data sets for which he/she is responsible)

A. Dr. Jürgen Alheit, IOW

B. Dr. Volker Mohrholz, IOW

C.

D.

E.

F.

MOORINGS, BOTTOM MOUNTED GEAR AND DRIFTING SYSTEMS

This section should be used for reporting moorings, bottom mounted gear and drifting systems (both surface and deep) deployed and/or recovered during the cruise. Separate entries should be made for each location (only deployment positions need be given for drifting systems). This section may also be used to report data collected at fixed locations which are returned to routinely in order to construct 'long time series'.

PI See top of page.	APPROXIMATE POSITION						DATA TYPE enter code(s) from list on cover page.	DESCRIPTION Identify, as appropriate, the nature of the instrumentation the parameters (to be) measured, the number of instruments and their depths, whether deployed and/or recovered, dates of deployments and/or recovery, and any identifiers given to the site.
	LATITUDE			LONGITUDE				
	deg	min	N/S	deg	min	E/W		

Please continue on separate sheet if necessary

SUMMARY OF MEASUREMENTS AND SAMPLES TAKEN

Except for the data already described on page 2 under 'Moorings, Bottom Mounted Gear and Drifting Systems', this section should include a summary of all data collected on the cruise, whether they be measurements (e.g. temperature, salinity values) or samples (e.g. cores, net hauls).

Separate entries should be made for each distinct and coherent set of measurements or samples. Different modes of data collection (e.g. vertical profiles as opposed to underway measurements) should be clearly distinguished, as should measurements/sampling techniques that imply distinctly different accuracy's or spatial/temporal resolutions. Thus, for example, separate entries would be created for i) BT drops, ii) water bottle stations, iii) CTD casts, iv) towed CTD, v) towed undulating CTD profiler, vi) surface water intake measurements, etc.

Each data set entry should start on a new line – its description may extend over several lines if necessary.

NO, UNITS : for each data set, enter the estimated amount of data collected expressed in terms of the number of 'stations'; miles' of track; 'days' of recording; 'cores' taken; net 'hauls'; balloon 'ascents'; or whatever unit is most appropriate to the data. The amount should be entered under 'NO' and the counting unit should be identified in plain text under 'UNITS'.

PI	NO	UNITS	DATA TYPE	DESCRIPTION
see page 2	see above	see above	Enter code(s) from list on cover page	Identify, as appropriate, the nature of the data and of the instrumentation/sampling gear and list the parameters measured. Include any supplementary information that may be appropriate, e. g. vertical or horizontal profiles, depth horizons, continuous recording or discrete samples, etc. For samples taken for later analysis on shore, an indication should be given of the type of analysis planned, i.e. the purpose for which the samples were taken.
2	52	stations	H10	grid, vertical casts
2	52	stations	B02	grid, fluorescence, vertical profile
1	23	stations	B08	grid, water bottles
1	52	stations	B09	grid, Bongo net 135 µm, 350 µm, 500 µm, towed
1	4	stations	B09	grid, Multinet 50 µm, vertical stratified 10 m
1	48	stations	B09	grigrid, WP-2 200 µm
1	27	stations	B09	grid, Nansen
1	49	stations	B09	grid, IKS-80
1	4	stations	B09	grid, IKMT
Please continue on separate sheet if necessary				

TRACK CHART: You are strongly encouraged to submit, with the completed report, an annotated track chart illustrating the route followed and the points where measurements were taken.

Insert a tick(✓) in this box if a track chart is supplied



GENERAL OCEAN AREA(S): Enter the names of the oceans and/or seas in which data were collected during the cruise – please use commonly recognised names (see, for example, International Hydrographic Bureau Special Publication No. 23, 'Limits of Oceans and Seas').

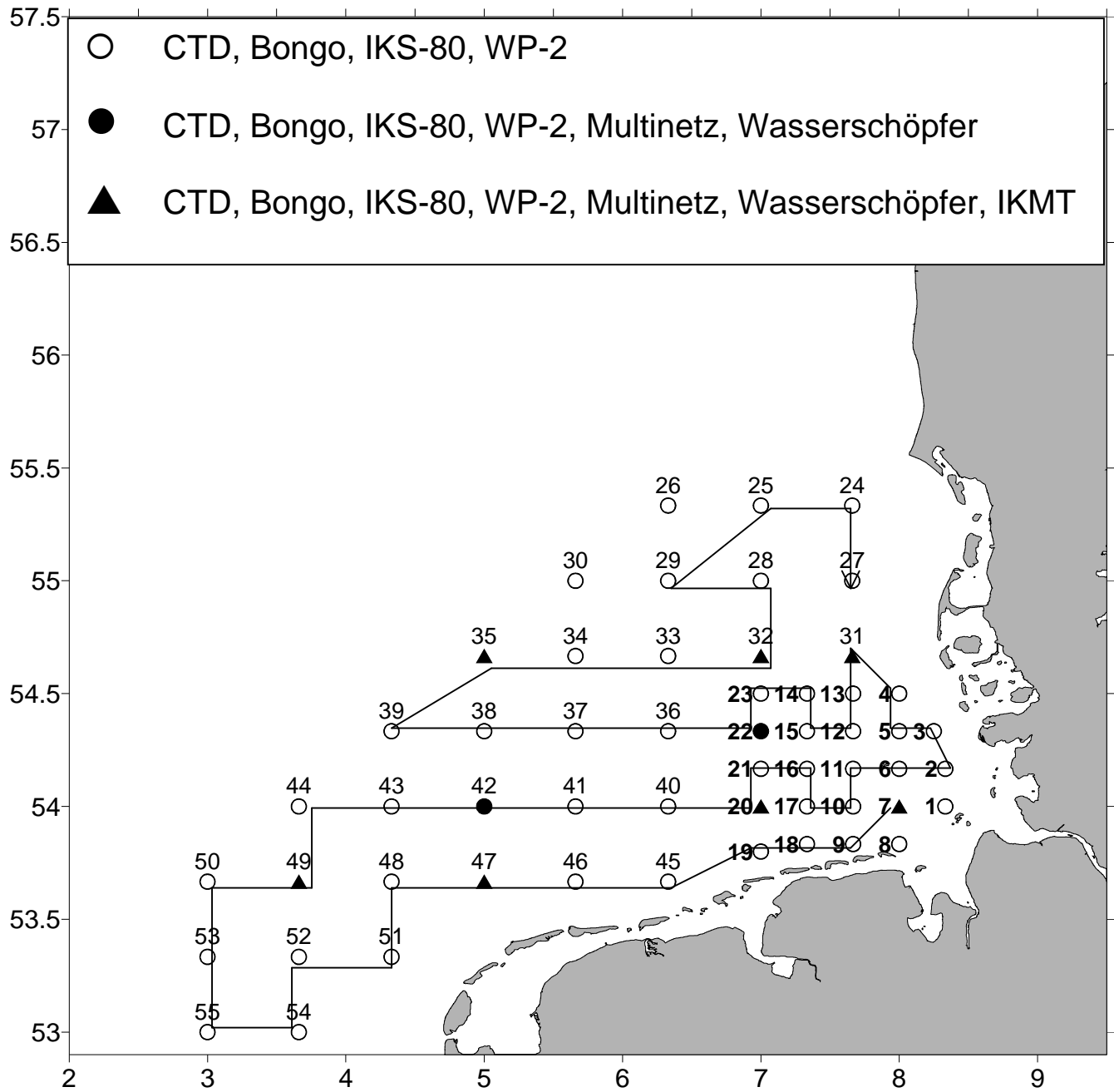
North Sea

SPECIFIC AREAS: If the cruise activities were concentrated in a specific area(s) of an ocean or sea, then enter a description of the area(s). Such descriptions may include references to local geographic areas, to sea floor features, or to geographic coordinates.

Please insert here the number of each square in which data were collected from the below given chart

Southern Bight, German Bight

Karte 1: Plankton-Stationen 1. Aufnahme



Stationlist Alkor 237

Station	deg E	deg N	Time begin	Time end	Date	Depth
1	8°20'	54°00'	00:09	01:08	08.05.2004	12
2	8°20'	54°10'	07:18	07:48	11.05.2004	16
3	8°15'	54°20'	08:56	09:19	11.05.2004	16
4	8°00'	54°30'	11:37	11:59	11.05.2004	15
5	8°00'	54°20'	10:07	10:30	11.05.2004	18
6	8°00'	54°10'	05:30	06:11	11.05.2004	26
7	8°00'	54°00'	02:26	06:32	08.05.2004	31
9	7°40'	53°50'	08:10	08:35	08.05.2004	14
10	7°40'	54°00'	01:03	01:28	11.05.2004	37
11	7°40'	54°10'	02:50	04:21	11.05.2004	37
12	7°40'	54°20'	18:21	18:42	11.05.2004	27
13	7°40'	54°30'	16:55	17:24	11.05.2004	22
14	7°20'	54°30'	21:34	21:55	11.05.2004	30
15	7°20'	54°20'	19:50	20:20	11.05.2004	43
16	7°20'	54°10'	21:45	21:58	10.05.2004	37
17	7°20'	54°00'	23:01	23:35	10.05.2004	29
18	7°20'	53°50'	09:48	10:28	08.05.2004	24
19	7°00'	53°48'	11:46	12:31	08.05.2004	20
20	7°00'	54°00'	16:50	18:27	10.05.2004	30
21	7°00'	54°10'	19:31	20:23	10.05.2004	35
22	7°00'	54°20'	00:48	01:55	12.05.2004	38
23	7°00'	54°30'	23:10	23:43	11.05.2004	36
24	7°40'	55°20'	16:57	17:15	13.05.2004	22
25	7°00'	55°20'	14:08	14:47	13.05.2004	28
27	7°40'	55°00'	19:11	19:23	13.05.2004	24
28	7°00'	55°00'	08:04	08:37	13.05.2004	31
29	6°20'	55°00'	10:46	11:10	13.05.2004	43
31	7°40'	54°40'	13:43	15:42	11.05.2004	20
32	7°00'	54°40'	05:20	05:42	13.05.2004	36
33	6°20'	54°40'	02:10	02:33	13.05.2004	40
34	5°40'	54°40'	22:39	23:01	12.05.2004	43
35	5°00'	54°40'	17:35	19:26	12.05.2004	44
36	6°20'	54°20'	04:33	05:00	12.05.2004	38
37	5°40'	54°20'	07:32	07:59	12.05.2004	39
38	5°00'	54°20'	10:17	11:12	12.05.2004	43
39	4°20'	54°20'	13:25	14:07	12.05.2004	40
40	6°20'	54°00'	14:21	14:43	10.05.2004	30
41	5°40'	54°00'	12:00	12:21	10.05.2004	37
42	5°00'	54°00'	08:27	09:46	10.05.2004	39
43	4°20'	54°00'	05:29	06:10	10.05.2004	43
44	3°40'	54°00'	01:42	02:43	10.05.2004	45
45	6°20'	53°40'	15:20	15:50	08.05.2004	22
46	5°40'	53°40'	18:04	18:41	08.05.2004	24
47	5°00'	53°40'	20:51	23:09	08.05.2004	30
48	4°20'	53°40'	01:37	02:30	09.05.2004	37
49	3°40'	53°40'	21:08	23:48	09.05.2004	38
50	3°00'	53°40'	18:02	18:45	09.05.2004	37
51	4°20'	53°20'	04:28	05:00	09.05.2004	26
52	3°40'	53°20'	07:10	08:01	09.05.2004	29
53	3°00'	53°20'	15:36	16:07	09.05.2004	28
54	3°40'	53°00'	10:14	10:57	09.05.2004	30
55	3°00'	53°00'	12:48	13:22	09.05.2004	30