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	FOR COLLATIMG CENTRE USE
CRUISE SUMMARY REPORT	Centre: DOD Ref. No.:
	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 care example, research ship; ship of opportunity, naval survey vessel; etc.	ollected, and indicate the type of ship, for
Name: ALKOR 0	Call Sign: DBND
Type of ship: R/V	
CRUISE NO. / NAME AL213	enter the unique number, name or acronym assigned to the cruise (or cruise leg, if appropriate).
CRUISE PERIOD start (set sail) $\frac{14/10/2002}{day/ month/ year}$ to $\frac{16/10/1002}{day/ month/ year}$ en	d ırn to port)
PORT OF DEPARTURE (enter name and country) Kiel, Germany	
PORT OF RETURN (enter name and country) Kiel, Germany	
RESPONSIBLE LABORATORY enter name and address of the laboratory responsible the cruise	e for coodinating the scientific planning of
Name: IFM-GEOMAR	
Address: Düsternbrooker Weg 20, 24105 KIEL	
Country: Germany	
CHIEF SCIENTIST(S) enter name and laboratory of the person(s) in charge of the scienti	fic work (chief of mission) during the cruise.
Dr. T. J. Müller, IFM-GEOMAR	
OBJECTIVES AND BRIEF NARRATIVE OF CRUISE enter sufficient information as to provide the context in	about the purpose and nature of the cruise so which the report data were collected.
Objectvies: (i) students course in physical oceanography (ii) water mass exchange through Fehmarn Belt using moored instrumen bottom MicroCat), CTD and vessel mounted ADCP (300 kHz)	nts since 2002 (ADCP 300 kHz, near
Narrative: the cruise was divided into 2 parts with a port call in between in Warnem major data set exist: (i) 4 months (JUN 2002 to OCT 2002) time series of vertical current profile	es and bottom (28 m) temperature
and salinity at the southeastern exist of Fehmarn Belt from mooring V43 as V431-03.	_
 (ii) three CTD and vessel mounted ADCP sections: across the Fehmarn E Fehmarn Belt to Arkona Basin, and again across Fehmarn Belt (iii) underway meteorological and thermosalinohraph data recording faile 	
PROJECT (IF APPLICABLE) if the cruise is designated as part of a larger scale cooperat of the project, and of organisation responsible for co-ordinating the project.	tive project (or expedition), then enter the name
Project name: BASEWECS, project of BMBF	
Coordinating body: IFM Kiel	

and wh	io may b	be conta	cted for	further i	nformati	on abou	t the data. (ess of the Principal Investigators responsible for the data collected on the cruise The letter assigned below against each Principal Investigator is used on pages which he/she is responsible)
Α. Τ	.J. Mi	iller, l	FM-G	EOM	AR, K	iel, Go	ermany	
В.								
C.								
D.								
E.								
F.								
моо	RINGS	S. BOT	том	MOUN	TED G	EAR		FTING SYSTEMS
This sec	ction shou	uld be use	ed for rep	orting ma	orings, b	ottom mo	unted gear ar	nd drifting systems (both surface and deep) deployed and/or recovered during the cruise.
may als	e entries o be used	should be d to repor	e made fo t data col	llected at	fixed loca	ations whi	ich are returne	ns need be given for drifting systems). This section ed to routinely in order to construct 'long time series'.
PI		APP	ROXIMA	TE POSI ⁻	TION		DATA TYPE	DESCRIPTION Identify, as appropriate, the nature of the instrumentation the parameters (to be)
See	l	_ATITUDI	E 	L	ongitue I	DE 	enter	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.
top of page.	deg	min	N/S	deg	min	E/W	code(s) from list on cover page.	
Α	54	31.3	N	011	18.3	E	D71, H	V431-02ecovered after 8 months: bottom ADCP 300 kHz; bottom MicroCat (T, S))
Α	54	31.3	N	011	18.3	E	D71, H	V431-03 launched: bottom ADCP 300 kHz; bottom MicroCat (T, S)
				İ				

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 - it's 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'.

2 A A	see above 28 0	see above casts	Enter code(s) from list on cover page	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.
Α		casts		should be given of the type of analysis planned, i.e. the pulpose for which the samples were taken.
	0		H10	Hydrobios CTD with rosette sampling for salinity calibration
		nm	H11	thermosalinograph, data recording failed
Α	0	nm	M06	meteorological data from ship's standard sensors; data recording failed
Α	0	nm	G73	single beam echo-sounding; data recording failed
Α	320	nm	D71	vessel mounted ADCP, 300 kHz, bottom track mode; beams 1-3 ok; beam 4 has bad signal
				Please continue on separate sheet if necessary

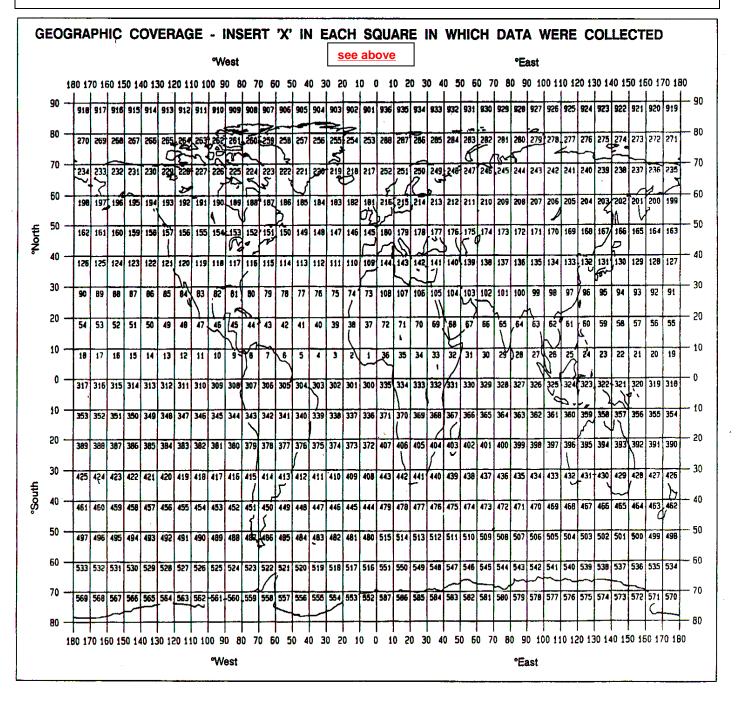
TRACK CHART: You are strongly encouraged to submit, with the completed report, an annotated track chart illustrating the route followed and the points where measurements were taken.

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').

Kiel Bight, Fehmarn Belt, western Baltic 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**

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THANK YOU FOR YOUR COOPERATION

Please send your completed report without delay to the collating centre indicated on the cover page