CRUISE SUMMARY REPORT

Coordinating body:

FOR COLLATIMG CENTRE USE

entre: DOD Ref. No.:

CRUISE SUIVIIVIART REPURT	Centre. DOD Ref. No.:					
	Is data exchange					
SHIP enter the full name and international radio call sign of the ship from which the data were convex example, research ship; ship of opportunity, naval survey vessel; etc.	llected, and indicate the type of ship, for					
Name: ALKOR	all Sign: DBND					
Type of ship: R/V						
CRUISE NO. / NAME AL301	enter the unique number, name or acronym assigned to the cruise (or cruise leg, if appropriate).					
CRUISE PERIOD start 02/07/2007 to 05/07/2007 end (set sail) day/ month/ year day/ month/ year (retu	d rn 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	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 scientification.	ic work (chief of mission) during the cruise.					
Dr. T. J. Müller, IFM-GEOMAR						
	bout 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 instruments since 2002 (ADCP 300 kHz, near bottom MicroCat), CTD and vessel mounted ADCP (300 kHz)						
Narrative: the cruise was divided into 2 parts with a port calls in between in Warnemuende. After completion, three major data set exist: (i) 9 months (Oct. 2006 to July 2007) time series of vertical current profiles and bottom (28 m) temperature and salinity at the southeastern exist of Fehmarn Belt from mooring V431-15; the mooring was re-launched						
as V431-16. (ii) four CTD and vessel mounted ADCP sections across the Fehmarn Belt through Fehmarn Belt to Arkona Basin, and again across Fehmarn Belt (iii) underway meteorological and thermosalinohraph data from the secon	t and Darss Sill, from Vings Grav					
PROJECT (IF APPLICABLE) if the cruise is designated as part of a larger scale cooperation of the project, and of organisation responsible for co-ordinating the project.	ve project (or expedition), then enter the name					
Project name: n/a						

and	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.	T.J. Müller, IFM-GEOMAR, Kiel, Germany				
В.					
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 APPROXIMATE POSITION DATA TYPE Identify, as appropriate, the nature measured, the number of instrum		DESCRIPTION Identify, as appropriate, the nature of the instrumentation the parameters (to be)						
See top of page.	deg	min	N/S	deg	min	E/W	enter code(s) from list on cover page.	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.
Α	54	31.3	N	011	18.3	E	D71, H	V431-15 recovered after 8 months: bottom ADCP 300 kHz; bottom MicroCat (T, S))
Α	54	31.3	N	011	18.3	E	D71, H	V431-16 launched: bottom ADCP 300 kHz; bottom MicroCat (T, S)

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'.

PI NO UNITS See See See See See See See See See S		under 'NO' and the counting unit should be identified in plain text under 'UNITS'.					
A 0 nm H11 thermosalinograph, data recording failed A 0 nm H11 single beam echo-sounding; data recording failed A 320 nm D71 vessel mounted ADCP, 300 kHz, bottom track mode; beams 1-3 ok; beam 4 has bad signal A 320 nm D71 vessel mounted ADCP, 300 kHz, bottom track mode; beams 1-3 ok; beam 4 has bad signal	see page	see	see	Enter code(s) from list on	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		
A 0 nm M66 meteorological data from ship's standard sensors; data recording failed A 320 nm D71 vessel mounted ADCP, 300 kHz, bottom track mode; beams 1-3 ok; beam 4 has bad signal Vessel mounted ADCP, 300 kHz, bottom track mode; beams 1-3 ok; beam 4 has bad signal		33	casts		Hydrobios CTD with rosette sampling for salinity calibration		
A 0 nm M06 meteorological data from ship's standard sensors; data recording failed A 320 nm D71 vessel mounted ADCP, 300 kHz, bottom track mode; beams 1-3 ok; beam 4 has bad signal	A	0	nm	H11			
A 320 nm D71 vessel mounted ADCP, 300 kHz, bottom track mode; beams 1-3 ok; beam 4 has bad signal	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		
Please continue on separate sheet if necessary	Α	320	nm	D71	vessel mounted ADCP, 300 kHz, bottom track mode; beams 1-3 ok; beam 4 has bad signal		
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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').

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**

215

