

CRUISE SUMMARY REPORT

FOR COLLATING CENTRE USE

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 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: **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 (return 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 for coordinating the scientific planning of the cruise

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 scientific work (chief of mission) during the cruise.

Dr. T. J. Müller, IFM-GEOMAR

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.

Objectives:

(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 and Darss Sill, from Vings Grav through Fehmarn Belt to Arkona Basin, and again across Fehmarn Belt

(iii) underway meteorological and thermosalinograph data from the second leg only

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: **n/a**

Coordinating body:

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

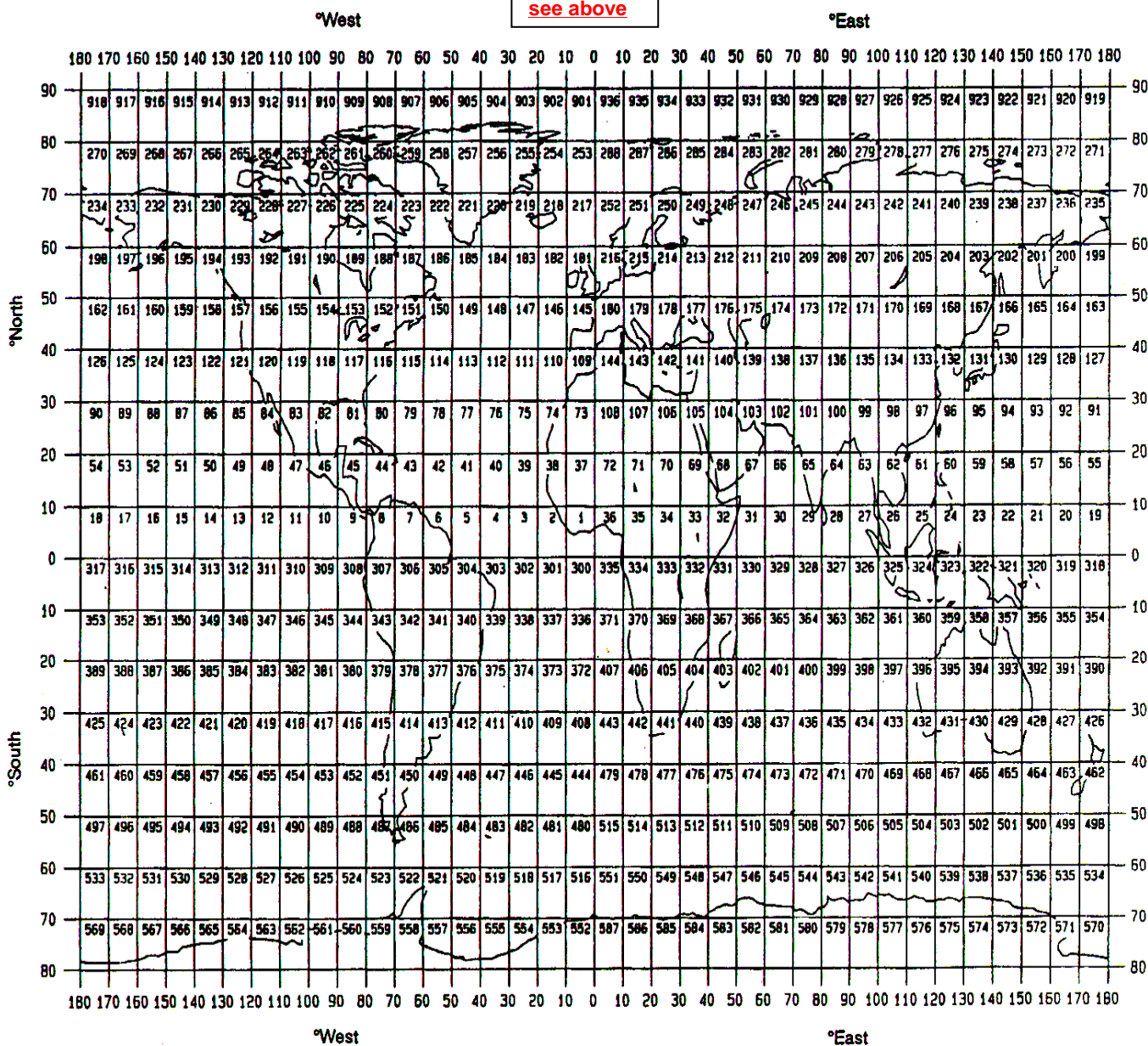
SPECIFIC AREAS: If the cruise activities were concentrated in a specific area(s) of an ocean or sea, then enter a description of the area(s). Such descriptions may include references to local geographic areas, to sea floor features, or to geographic coordinates.

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

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GEOGRAPHIC COVERAGE - INSERT 'X' IN EACH SQUARE IN WHICH DATA WERE COLLECTED

see above



THANK YOU FOR YOUR COOPERATION

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