

<h1 style="margin: 0;">CRUISE SUMMARY REPORT</h1>	<p style="text-align: right; font-size: small;">FOR COLLATING CENTRE USE</p> <p>Centre: <u>DOD</u> Ref. No.: _____</p> <p>Is data exchange <input type="checkbox"/> Yes <input type="checkbox"/> In part <input type="checkbox"/> No restricted</p>
<p>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.</p> <p>Name: POSEIDON Call Sign: DBKV</p> <p>Type of ship: Research Vessel</p>	
<p>CRUISE NO. / NAME POS315 enter the unique number, name or acronym assigned to the cruise (or cruise leg, if appropriate).</p>	
<p>CRUISE PERIOD start <u>26/07/2004</u> to <u>31/07/2004</u> end (set sail) day/ month/ year day/ month/ year (return to port)</p> <p>PORT OF DEPARTURE (enter name and country) Reykjavik, Iceland</p> <p>PORT OF RETURN (enter name and country) Reykjavik, Iceland</p>	
<p>RESPONSIBLE LABORATORY enter name and address of the laboratory responsible for coordinating the scientific planning of the cruise</p> <p>Name: Leibniz-Institut für Meereswissenschaften, IFM-GEOMAR</p> <p>Address: Düsternbrooker Weg 20, 24105 Kiel</p> <p>Country: Germany</p>	
<p>CHIEF SCIENTIST(S) enter name and laboratory of the person(s) in charge of the scientific work (chief of mission) during the cruise.</p> <p>Dr. T. J. Müller, IFM-GEOMAR, Kiel, Germany</p>	
<p>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.</p> <p>The overflow through the Denmark Strait is one of the major sources to form North Atlantic Deep Water (NADW), and thus plays an essential role in the world-wide thermohaline circulation. Within the „Sonderforschungsbereich 460“ of the German Research Foundation (DFG), the dynamics of its variability and interaction with overlying water masses is investigated.</p> <p>In Denmark Strait, direct measurements of currents in the overflow layer at the sill were performed as one component of the project. During cruise P293-2 in 2002, a shielded ADCP was moored on the western shelf; this ADCP could not be recovered due to a technical problem one year later during cruise P302. Therefore, during P315 an attempt was made, to recover the ADCP using a small ROV of the MARUM, University of Bremen.</p> <p>Cruise P315 (maps in Fig 3.1 and 3.2) was aimed to</p> <ul style="list-style-type: none"> • recover the shielded ADCP moored during POSEIDON cruise 293/2 in 2002 and which could not be recovered during cruise P302 in 2003 • to recover and re-moor an ADCP of the MRI in Denmark Strait • to take some CTD casts and ADCP sections across the sill when restricted time allows. 	
<p>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.</p> <p>Project name: SFB460 / TPA1</p> <p>Coordinating body: IFM-GEOMAR</p>	

B. Dr. Hedinn Valdimarsson, Marine Research Institute, Reykjavik, Iceland

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'.

[illegible]

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).

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

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.

[illegible]

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').

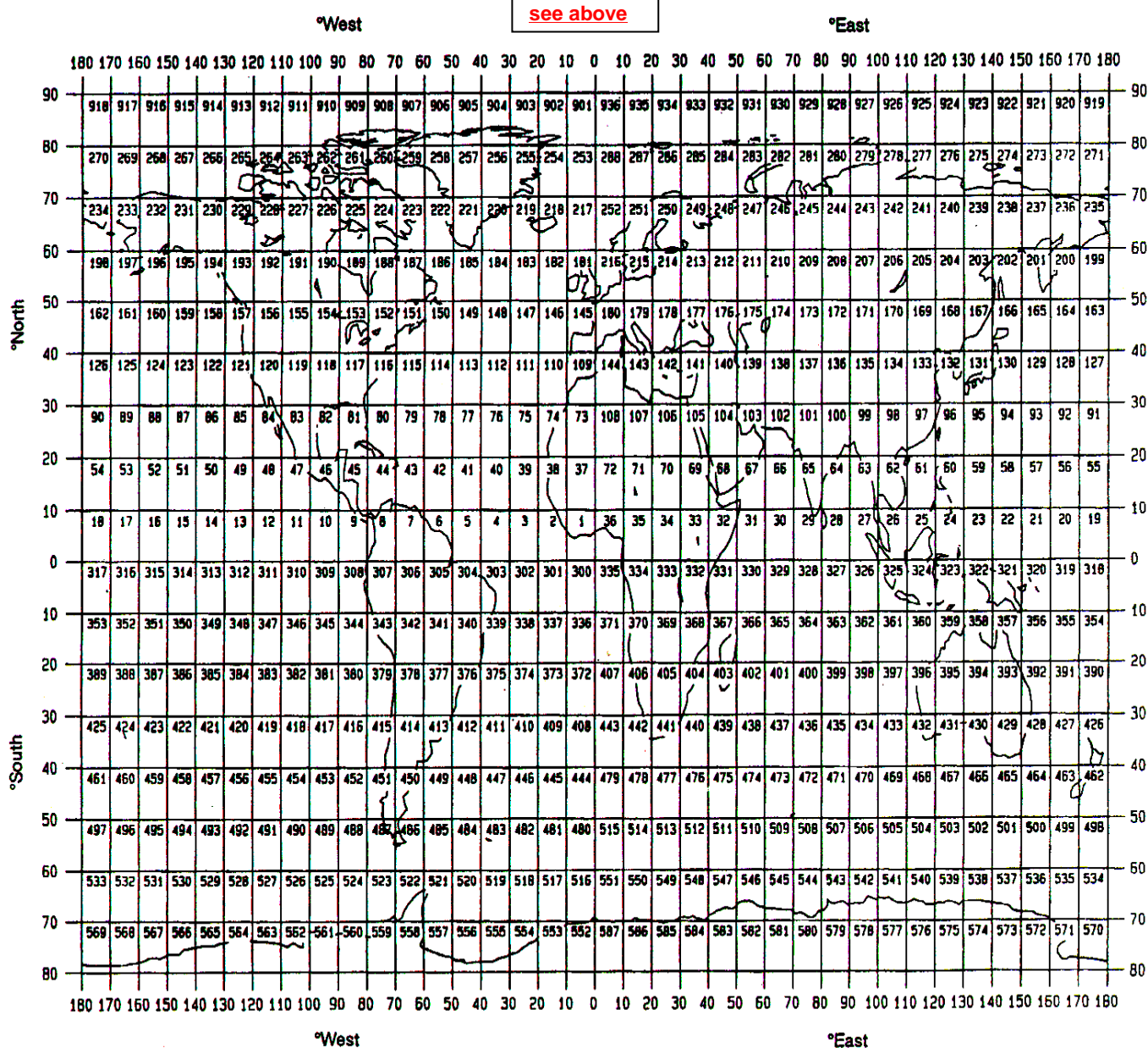
North Atlantic, Denmark Strait

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

219

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



THANK YOU FOR YOUR COOPERATION

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