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An:

Deutsches Ozeanographischen Museum <sup>✓ 6.12.95</sup>  
 D.O.D.

mit der Bitte um

- Kenntnisnahme  Rückgabe  Erledigung  
 zum Verbleib  weitere Veranlassung  mit Dank zurück

In der Anlage die 'Cruise Summary Reports' zu den Reisen:

POSEIDON 212/1-3 (S. Siebke)

POSEIDON 212/4-5 (T. J. Müller)

Mit freundlichen Grüßen!

Thomas Müller  
<sup>✓ 6.12.95</sup>  
 cc: Prof. Kortmann, IfM Kiel

# CRUISE SUMMARY REPORT

FOR COLLATING CENTRE USE

Centre: ..... 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: F.S. POSEIDON Call Sign: DBKV.....

Type of ship: Research vessel

**CRUISE NO. / NAME** ESTOC cruise no. 212/1-3 enter the unique number, name or acronym assigned to the cruise (or cruise leg, if appropriate).

**CRUISE PERIOD** start 1 2 0 9 1 9 9 5 to 0 8 1 0 1 9 9 6 end  
(set sail) day month year (return to port)

**PORT OF DEPARTURE** (enter name and country) Lisbon, Portugal

**PORT OF RETURN** (enter name and country) Sta. Cruz de Tenerife, Spain

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

Name: Institut für Meereskunde.....

Address: Düsternbrooker Weg 20.....

D-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.

Gerold Siedler.....

**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 reported data were collected.

The cruise had the goal to study the physics, chemistry and biology of the region north and east of the Canary Islands, near the position of the Spanish-German time series station ESTOC (about 60 nautical miles north of Gran Canaria). It was the aim to check the representativeness of the ESTOC monthly observations for the larger area and to study exchange processes related to carbon dioxide transfer and to particle flux.

**PROJECT (IF APPLICABLE)** If the cruise is designated as part of a larger scale cooperative project (or expedition or programme), then enter the name of the project, and of the organisation responsible for coordinating the project.

Project name: ESTOC

Coordinating body: 2 marine science institutions in Spain, 2 in Germany

## 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).

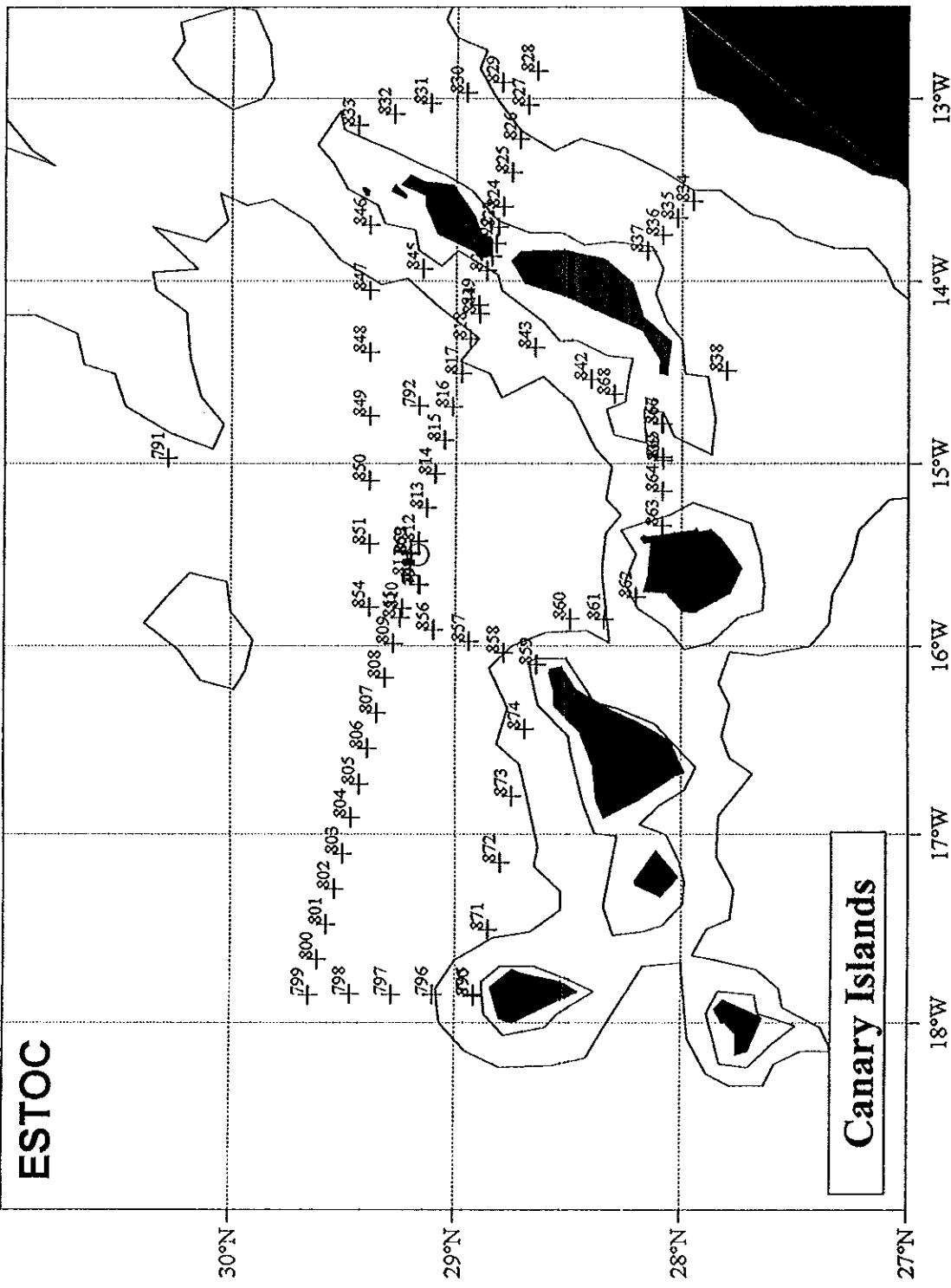
Separate entries should be made for each distinct and coherent set of measurements or samples. Different modes of data collection (e.g. vertical profiles as opposed to underway measurements) should be clearly distinguished, as should measurement/sampling techniques that imply distinctly different accuracies 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.
A	84	station	H10	CTD measurements with 20-bottle rosette
C	65		H21	Oxygen
D			"	"
C	69		H22,H24,H26	Nutrients
D	69		"	"
E,F	24		H27,H28	Chemical data
"	24		H74	"
"	10		P02	"
A,D	65		B02	Fluorescence, chlorophyll
A	5		D05	Floats
				Please continue on separate sheet if necessary.

# Poseidon Cruise P212/1-3



# CRUISE SUMMARY REPORT

FOR COLLATING CENTRE USE

Centre: ..... 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: F.S. POSEIDON Call Sign: DBKV

Type of ship: Research vessel

CRUISE NO./NAME 212/4-5 enter the unique number, name or acronym assigned to the cruise (or cruise leg, if appropriate).

CRUISE PERIOD start [1,0] [1,0] [1,9,9,5] to [2,9] [1,0] [1,9,9,5] end  
(set sail) day month year day month year (return to port)

PORT OF DEPARTURE (enter name and country) Sta. Cruz de Tenerife, Spain

PORT OF RETURN (enter name and country) Bremerhaven, Germany

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

Name: Institut für Meereskunde

Address: Düsternbrooker Weg 20

D-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.

Thomas J. Müller

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 reported data were collected.

- 1) To recover and redeploy the open ocean mooring station KIEL 276/L1 at 33°N, 22°W within JGOFS.
- 2) To moor 3 sound sources and to launch 10 RAFOS floats at 1000 m depth to study the spreading of the Mediterranean outflow water within the European MAST 2 programme EUROFLOAT.
- 3) To obtain additional hydrographic observations within 1) and 2).

PROJECT (IF APPLICABLE) if the cruise is designated as part of a larger scale cooperative project (or expedition or programme), then enter the name of the project, and of the organisation responsible for coordinating the project.

Project name: JGOFS, MAST 2/EUROFLOAT

Coordinating body: IfM Kiel

## 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).

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Please continue on separate sheet if necessary.

POSEIDON 212/4-5: mooring (\*), CTD (o), float (+), XBT (.)

