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: FS POSEIDON Call Sign: DBKV

Type of ship: Res. Ves

CRUISE NO./NAME 202/1a-1e enter the unique number, name or acronym assigned to the cruise (or cruise leg, if appropriate).

CRUISE PERIOD start (set sail) 01 09 1994 (day month year) to 23 09 1994 (day month year) end (return to port)

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

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 a.d. Univ. Kiel

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.

Dr. T.J. Müller, IfM Kiel

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 sound source moorings devoted to RAFOS float work in the Iberian Basin

2) to exchange long term KIEL276 current meter and JGOFS-L1 sediment trap mooring at 33°N, 22°W

3) to recover deep boundary current meter mooring on the eastern MAR

4) to set long term current meter mooring ESTOC south of the Canaries

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: SFB 133, JGOFS, ESTOC

Coordinating body: IfM Kiel

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. Dr. T. J. Müller, IfM Kiel

B. Dr. W. Zenk, IfM Kiel

C. Prof. Dr. Duinker, IfM Kiel

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 (see top of page.)	APPROXIMATE POSITION LATITUDE deg	min	N/S	LONGITUDE deg	min	E/W	DATA TYPE enter code(s) from list on cover page.	DESCRIPTION Identify, as appropriate, the nature of the instrumentation, the parameters (to be) measured, the number of instruments and their depths, whether deployed and/or recovered, dates of deployment and/or recovery, and any identifiers given to the site.
B	43	02	N	01	01	W	D90	recovered, sound source for RAFOS
B	36	42	N	01	59	W	D90	- dito -
B	35	21	N	01	48	W	D90	- dito -
B	36	40	N	01	49	W	D90	recovered, moored RAFOS for clock control
C	33	09	N	02	59	W	H90	recovered, JGOFS/L1 with 1 CM and 4 sediment traps
A	33	00	N	02	00		D01	recovered KIEL276 long term current meter station
A/C	33	00	N	02	00		D01, H90	set: combined KIEL276 / JGOFS-L1 mooring with 8 CM and 4 sediment traps
A	33	19	N	02	52	W	D01	recovered, 3 CM
A	29	10	N	01	54	W	D01	set: JGOFS/ESTOC with 1 ADCP and 7 CM

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 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 - 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	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	6	casts	H10	MK III B CTD ; salinity samples for calibration
A	2700	nmm	D71	RDI 150 KHz profiler, 0-200 m

Please continue on separate sheet if necessary.

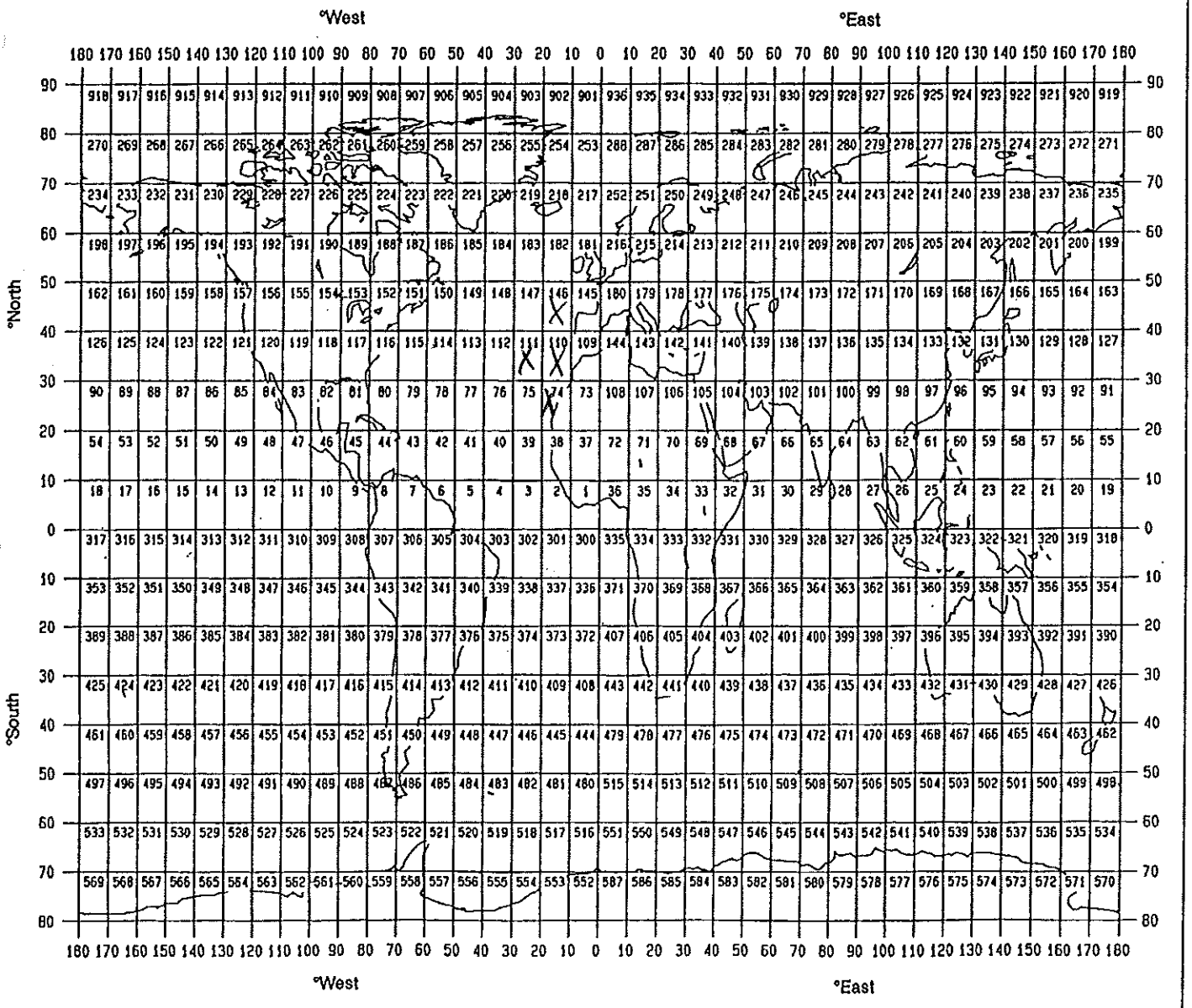
TRACK CHART: You are strongly encouraged to submit, with the completed report, an annotated track chart illustrating the route followed and the points where measurements were taken.	Insert a tick (✓) in this box if a track chart is supplied. ☒

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 East Atlantic : Iberian and Canary basins

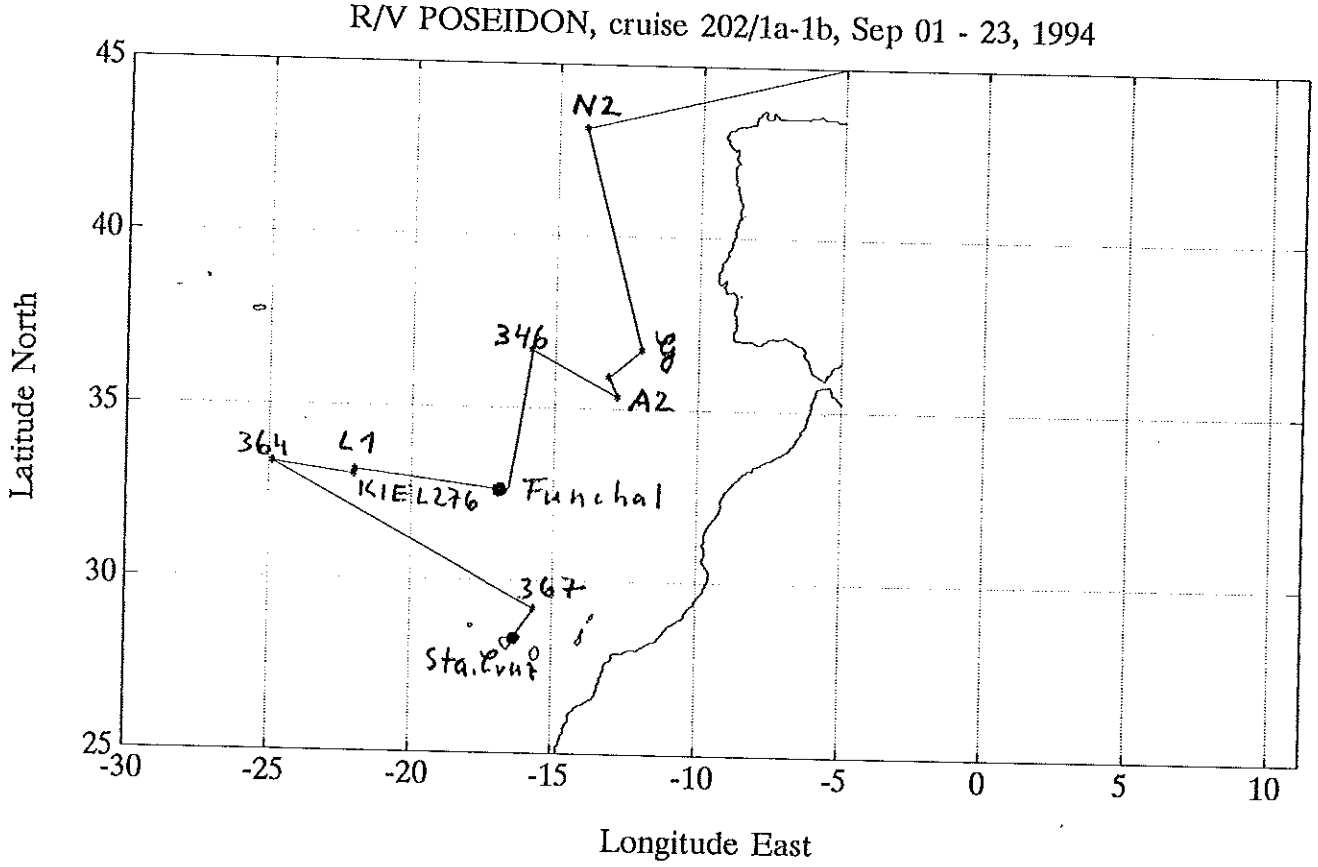
SPECIFIC AREAS: If the cruise activities were concentrated in a specific area(s) of an ocean or sea, then enter a description of the area(s). Such descriptions may include references to local geographic areas, to sea floor features, or to geographic coordinates.

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



POSEIDON cruise 202/1a-1b: Course with CTD stations (stars), sound source moorings N2, G, and A2, MAFOS (moored RAFOS) 346, JOGOFS sediment trap mooring L1, and current meter moorings KIEL276, 364 and 367/ESTOC.

CRUISE SUMMARY REPORT

FOR COLLATING CENTRE USE

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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: FS POSEIDON Call Sign: DBKV

Type of ship: Research Vessel

CRUISE NO./NAME 202/1c enter the unique number, name or acronym assigned to the cruise (or cruise leg, if appropriate).

CRUISE PERIOD start (set sail) 25 | 09 | 1994 (day | month | year) to 08 | 10 | 1994 (day | month | year) end (return to port)

PORT OF DEPARTURE (enter name and country) Sta Cruz deTenerife, Spain

PORT OF RETURN (enter name and country) Las Palmas/Gran Canaria, 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

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. R. Knoll, IFM, Kiel

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 study the spatial and temporal variability of physical, chemical and biological parameters around the Canary Islands

2) to continue the long term observations in the ESTOC area

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, ESTOC

Coordinating body: IFM, Kiel

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. Dr. M. Knoll, IFM, Kiel

B. Dr. S. Neuer, Geowissenschaften, Uni Bremen

C. Dr. O. Llinas, ICCM Gran Canaria

D. Dr J. M.-Brito, Uni Las Palmas, Gran Canaria

E. Dr J. Ezcanez, IEO, Tenerife

F.

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PI	APPROXIMATE POSITION						DATA TYPE	DESCRIPTION
see top of page.	LATITUDE deg	min	N/S	LONGITUDE deg	min	E/W	enter code(s) from list on cover page.	Identify, as appropriate, the nature of the instrumentation, the parameters (to be) measured, the number of instruments and their depths, whether deployed and/or recovered, dates of deployment and/or recovery, and any identifiers given to the site.
B	29	27	N	14	47	W	373	deployed drifting sediment trap with an Aanderaa current meter (~ 150 m)
B	29	31	N	14	52	W	373	recovered sediment trap (see above)
B	29	04	N	15	3	W	373	deployed sediment trap (see above)
B	29	20	N	15	21	W	373	recovered sediment trap (see above
B	29	8	N	15	27	W	373	deployed sediment trap (see above)
B	29	12	N	15	31	W	373	recovered sediment trap (see above)

Please continue on separate sheet if necessary.

SUMMARY OF MEASUREMENTS AND SAMPLES TAKEN

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

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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	63	stations	H10	NB CTD with oxygen sensor
			H21	(24 stations) or fluorometer
			B02	(39 stations), Downcasts
A	39	stations	D71	ADCP profiles at CTD stations
	62	stations		GO multisamples (21 x 10 l)
				up-casts at each CTD taken for
A	62	stations	H09	salinity,
C/E	"	"	H21/H22	oxygen, phosphates,
C/E	"	"	H25/H24/H26	nitrates, nitrites, silicates,
D	"	"	H30	heavy metals
B/C	"	"	B02	chlorophyll, phytoplankton pigments
B	5	stations	B01	primary productivity, dilution method,
B			B09	zooplankton grazing rates
E	1	station	B09/B13	Bongo net lowered to 200m
				at CTD station
A	35	station	H13	XBT section (T5)
A	whole cruise		D71	RDI 150kHz profiler, 0-200m

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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').

Around the Canary Islands

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.

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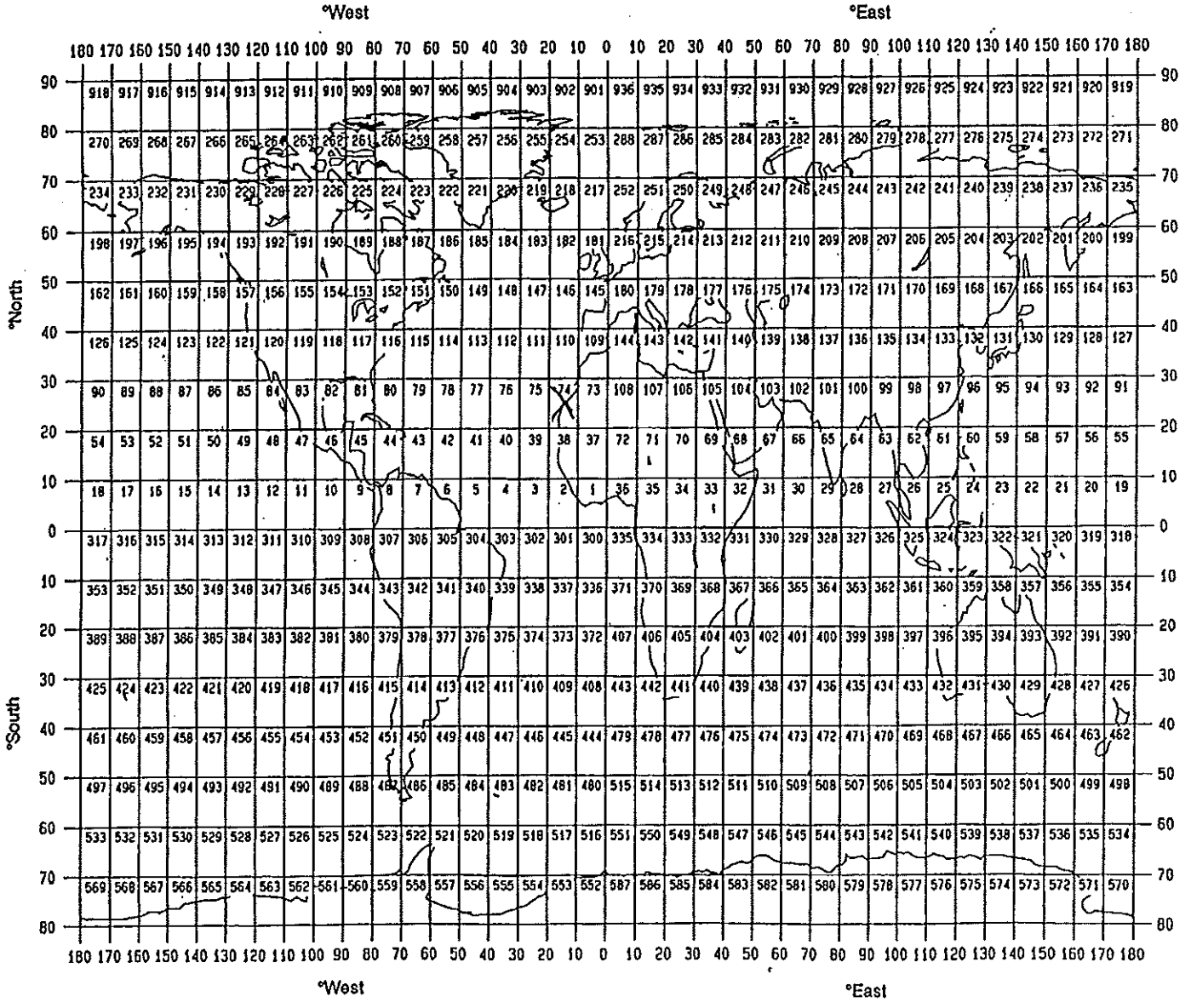

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Poseidon 202/1c