

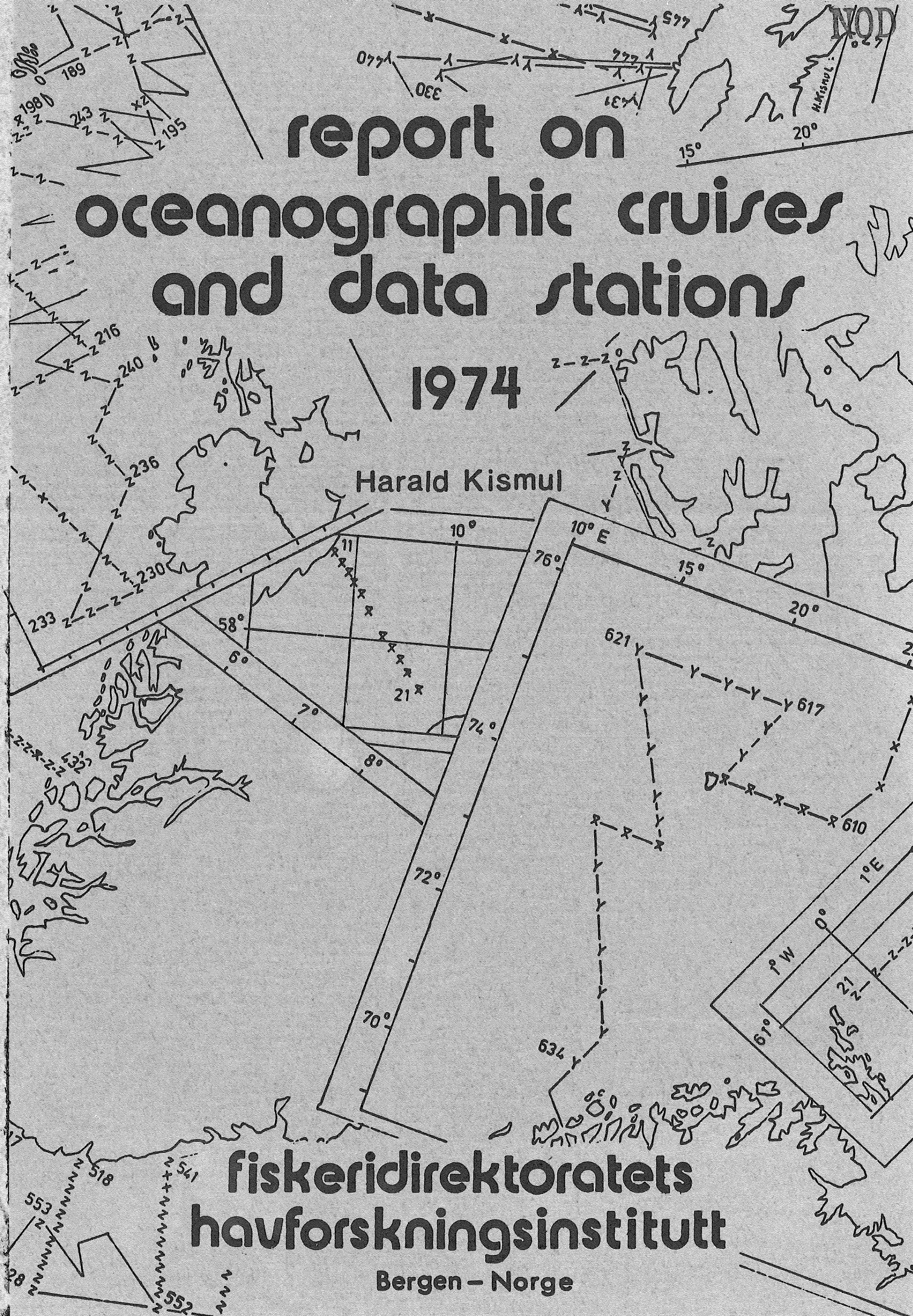
# report on oceanographic cruises and data stations

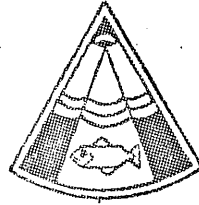
1974

Harald Kismul

fiskeridirektoratets  
havforskningsinstitutt

Bergen - Norge





# report on oceanographic cruises and data stations

## 1974

HARALD KISMUL

### Guidelines:

- X Classical oceanogr. stations
- Z Vertical profiles (STD/CTD)
- Y Bathythermograph (BT)
- △ Moored buoy station
- △ Pelagic Trawl station
- Bottom Trawl station
- ◇ Plankton station
- Clarke
- Taggings

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ICES Annual Report on Oceanographic Cruises and Data Stations.

Country: NORWAY

Year: 1974

Ship: "Johan Hjort" No. 12.

Cruise and ship number.	Period of cruises.	Number of Stations																Continual observations		Page or track chart.						
		Classical oceanogr. stations	Vertical profiles (STD/CTD)	Bathythermograph (BT)	Moored Buoy	Oxygen	Nutrients	Oil Hydrocarbons	Chlorinated Hydrocarb.	Metals	Primary org. prod.	Phytoplank.pigment con.	Sediment samples	Pelagic Trawl	Bottom Trawl	Pelagic eggs and larvae	Taggings	Zooplankton	Dredge, Grab samples		Surface temperature	Transparency	Organic matter (extract.)	Part. matter (Filtration)	NO <sub>2</sub> + NO <sub>3</sub> (auto-analyzer)	Echo sounding
1/12	14/1-9/2	222					12						15						X	X				X	X	5-6
2/12	20/2-5/4		6										10	3			898		X	X				X	X	7-8
3/12	30/4-15/5	124	10				12		137	137					104				X	X				X	X	9-10
4/12	24/5-12/7	363			363		12		132	131		3	5	339		339			X	X				X	X	11-12
5/12	22/7-9/8	32	37									12							X	X				X	X	13-14



ICES Annual Report on Oceanographic Cruises and Data Stations.

Country: NORWAY

Year: 1974

Ship: "G.O. Sars" No. 15.

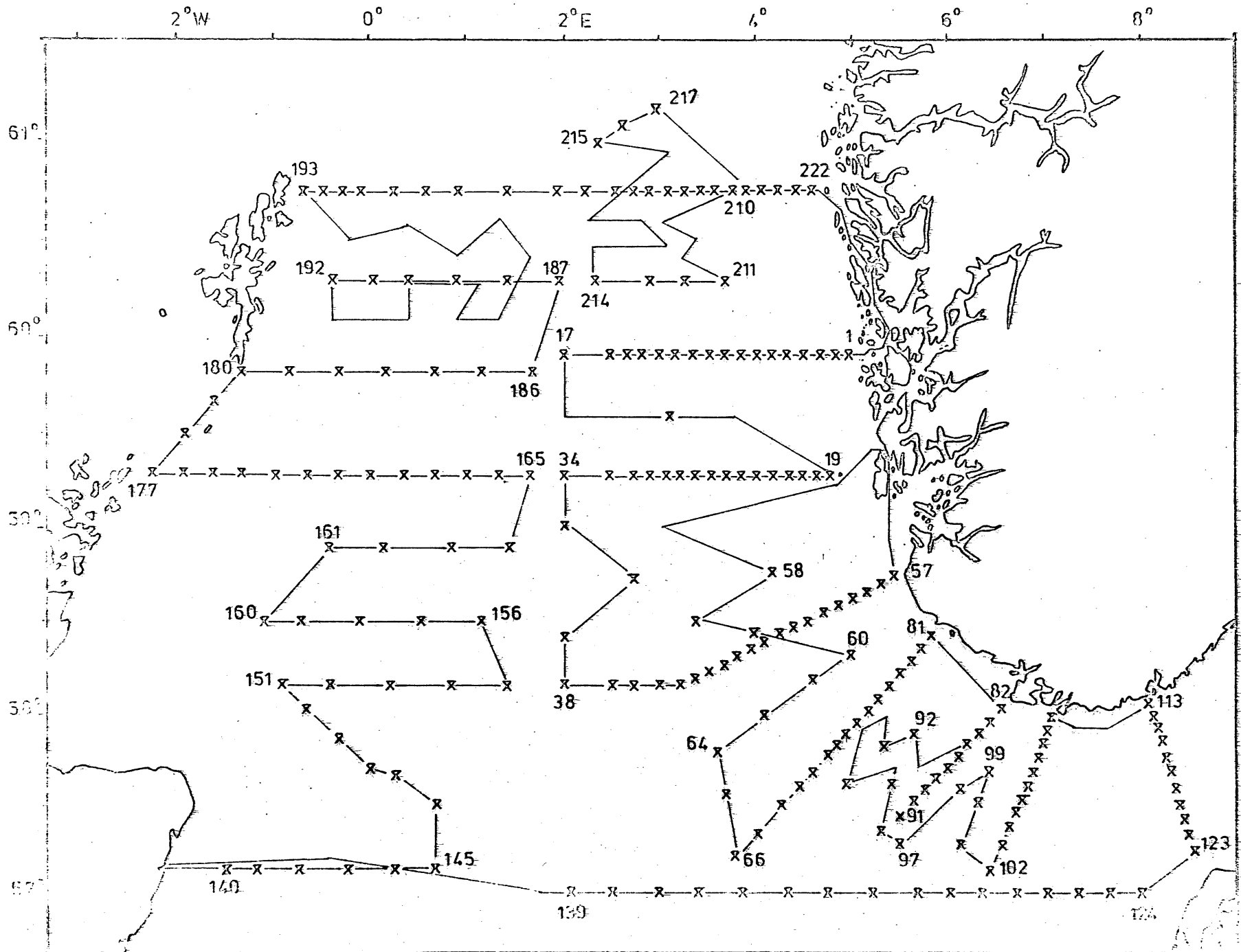
Cruise and ship number.	Period of cruises.	Number of Stations														Continual observations				Page of track chart						
		Classical oceanogr. stations	Vertical profiles (STD/CTD)	Bathythermograph (BT)	Moored Buoy	Oxygen	Nutrients	Oil Hydrocarbons	Chlorinated Hydrocarb.	Metals	Primary org. prod.	Phytoplank.pigment con.	Sediment samples	Pelagic Trawl	Bottom Trawl	Pelagic eggs and larvae	Taggings	Zooplankton	Dredge, Grab samples		Surface temperature	Transparency	Organic matter(extract.)	Part. matter(filtration)	NO <sub>2</sub> + NO <sub>3</sub> (auto-analyzer)	Echo sounding
1/15	10/1-11/2	4	171	1								31	12						X	X				X	X	15-16-17-18
2/15	4/3-14/3		32									5							X	X				X	X	19
3/15	15/3-9/4		85									24							X	X				X	X	20-21
4/15	29/4-30/4		14																X	X				X	X	22
5/15	30/4-15/5		63									12	10						X	X				X	X	23
6/15	18/5-10/6		126									49	2						X	X				X	X	24
7/15	16/7-5/8	11	49									14	38						X	X				X	X	25
8/15	2/8-11/8		73									2	8						X	X				X	X	26
9/15	28/8-12/9		73									52	4						X	X				X	X	27
10/15	15/9-12/10		121									69	5						X	X				X	X	28-29
11/15	5/11-13/12	51	311		1							24	22	3					X	X				X	X	30-31







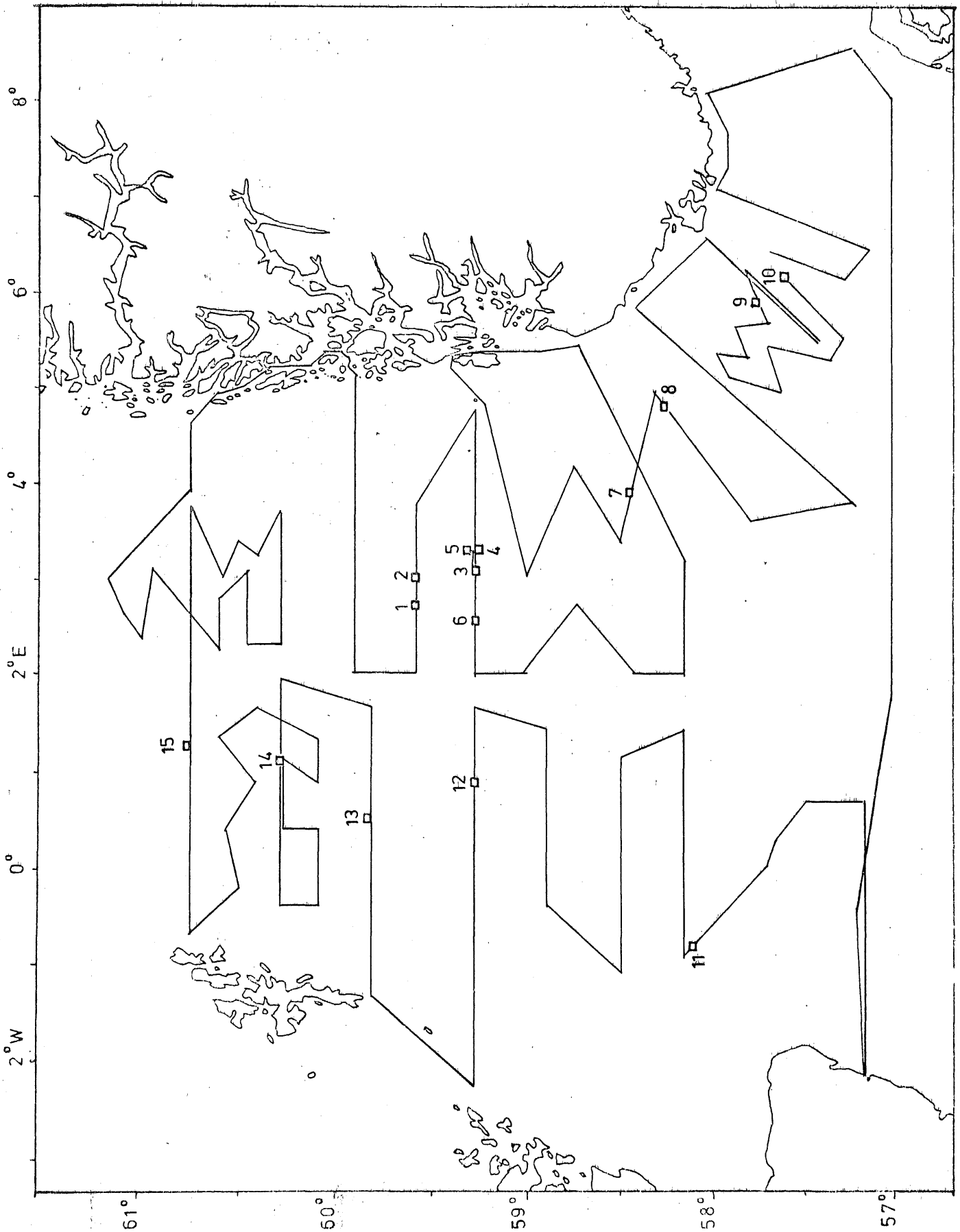




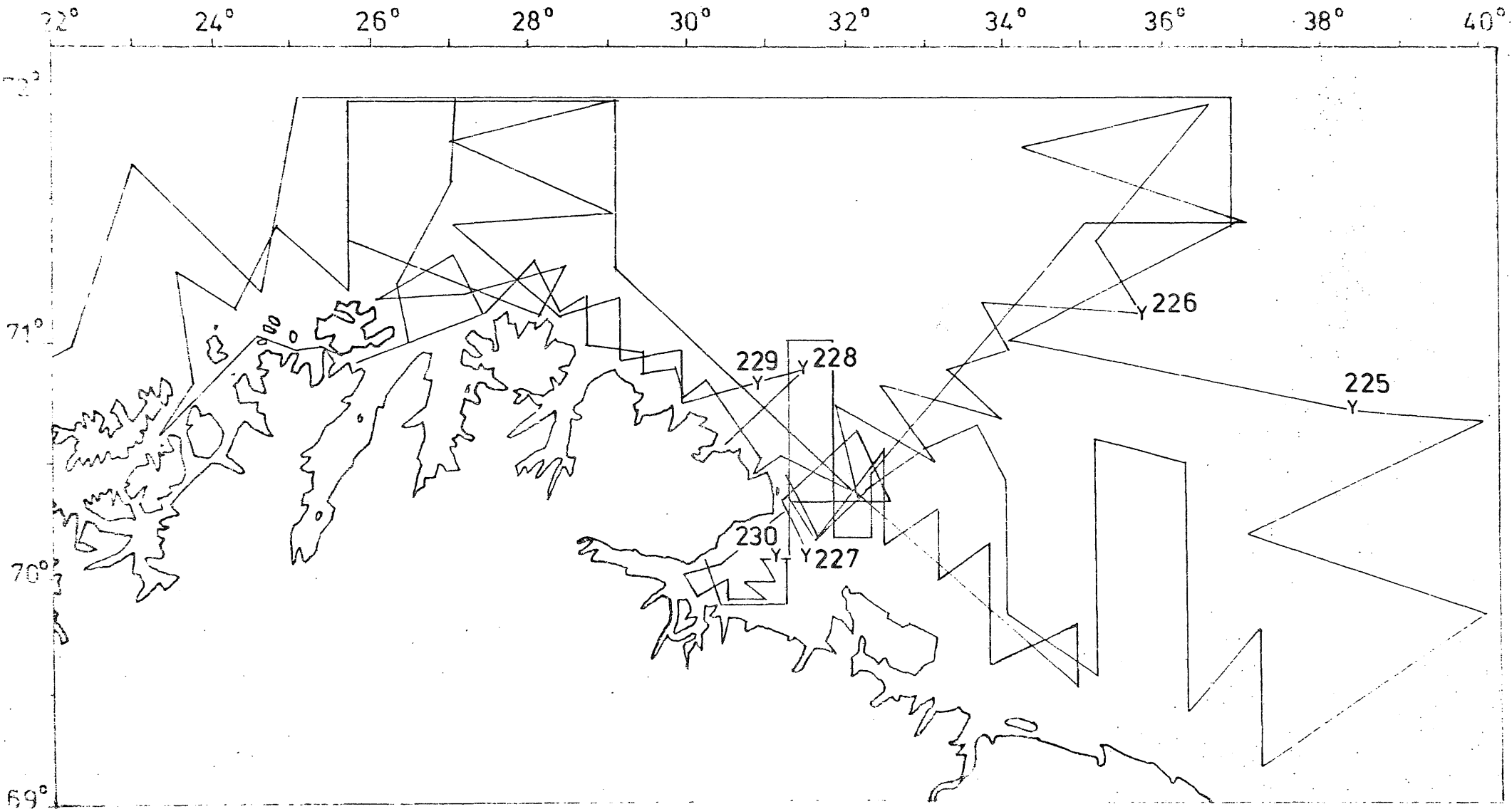
16 JAN - 9 FEB. 1974

ST. NO. 1 - 222

„JOHAN REBERT“



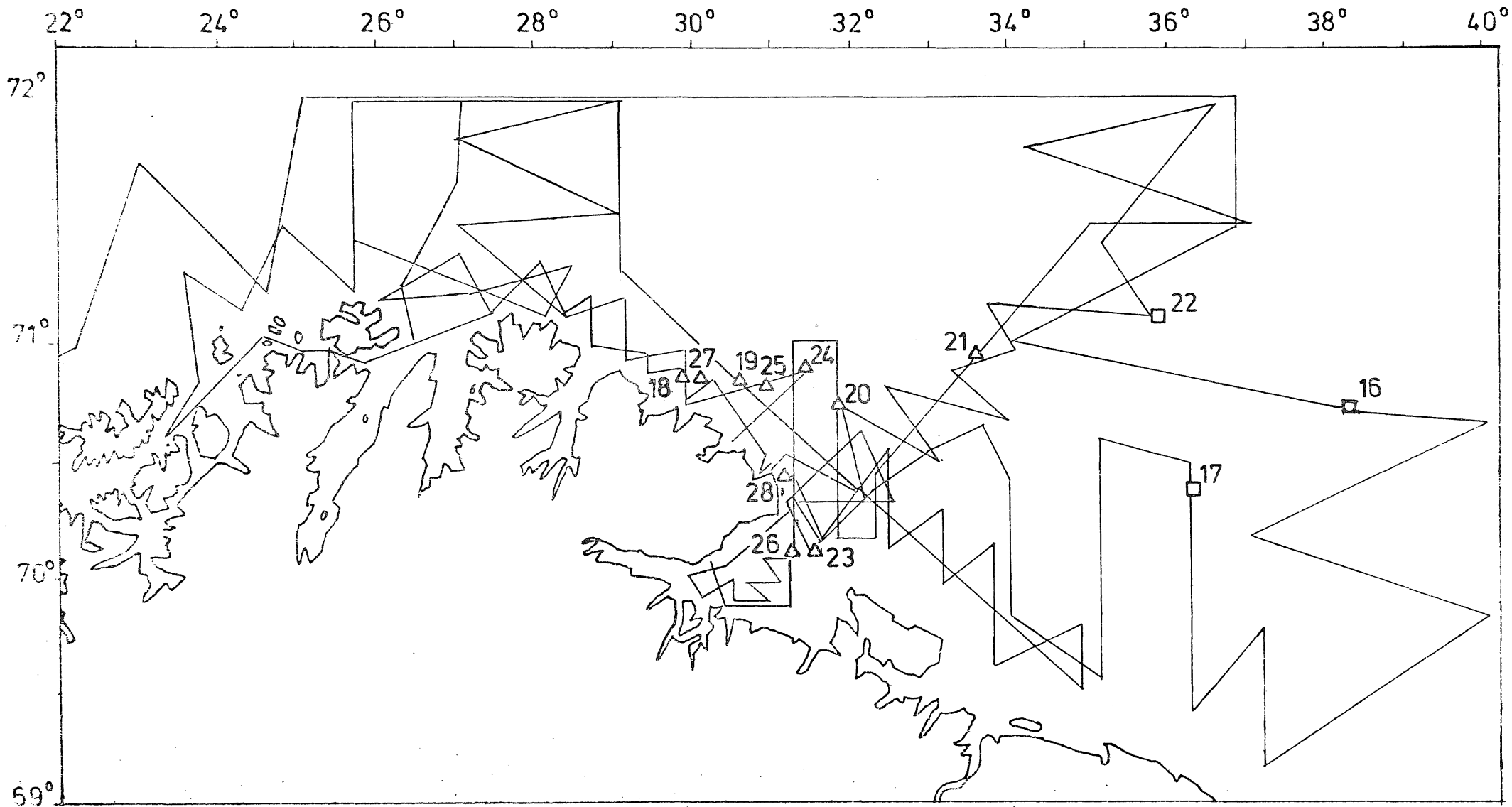
14 JAN. - 9 FEB. 1974 TRAWL ST. 1-15 "JOHAN HJORT"



20 FEB. - 5 APR. 1974

ST. NO. 225 - 230

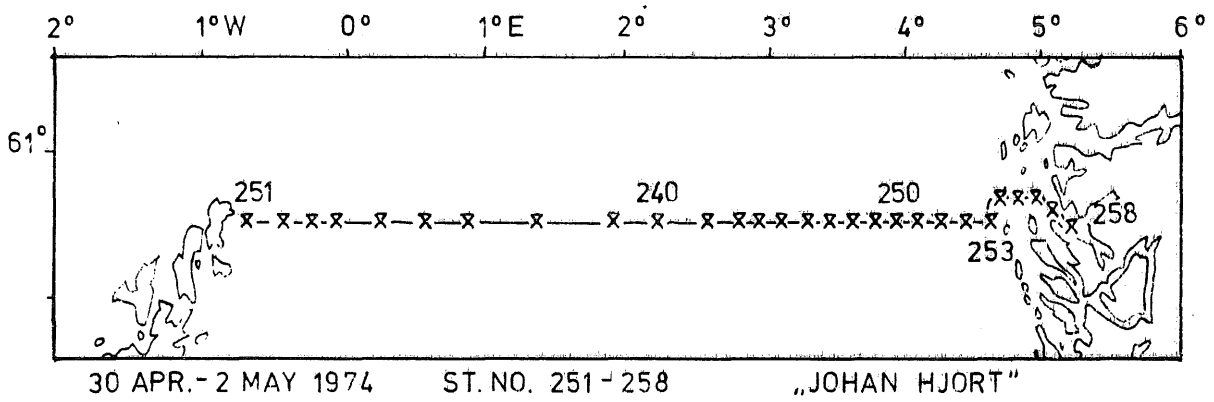
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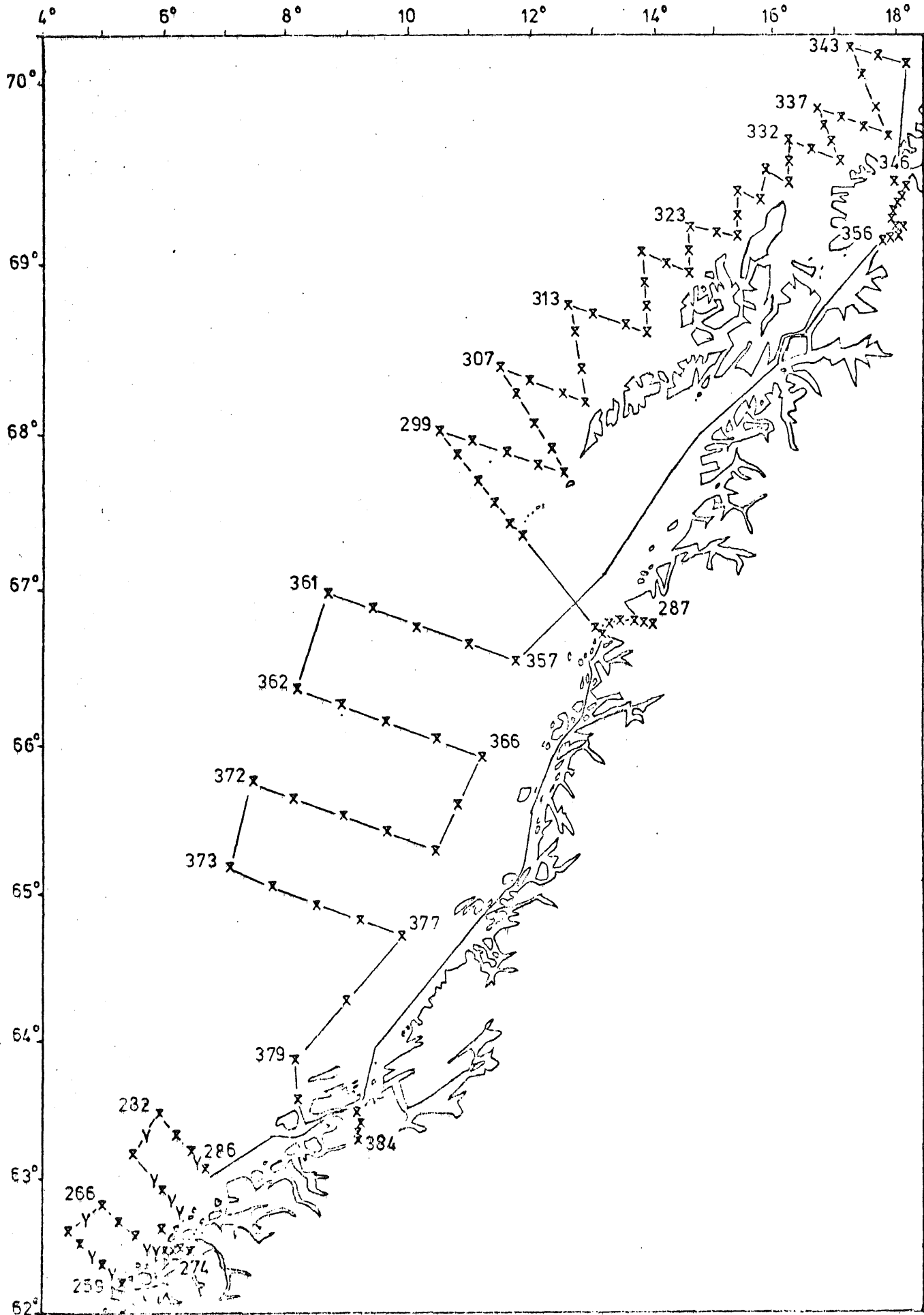


20 FEB. - 5 APR. 1974

TRAWL ST. NO. 16 - 28

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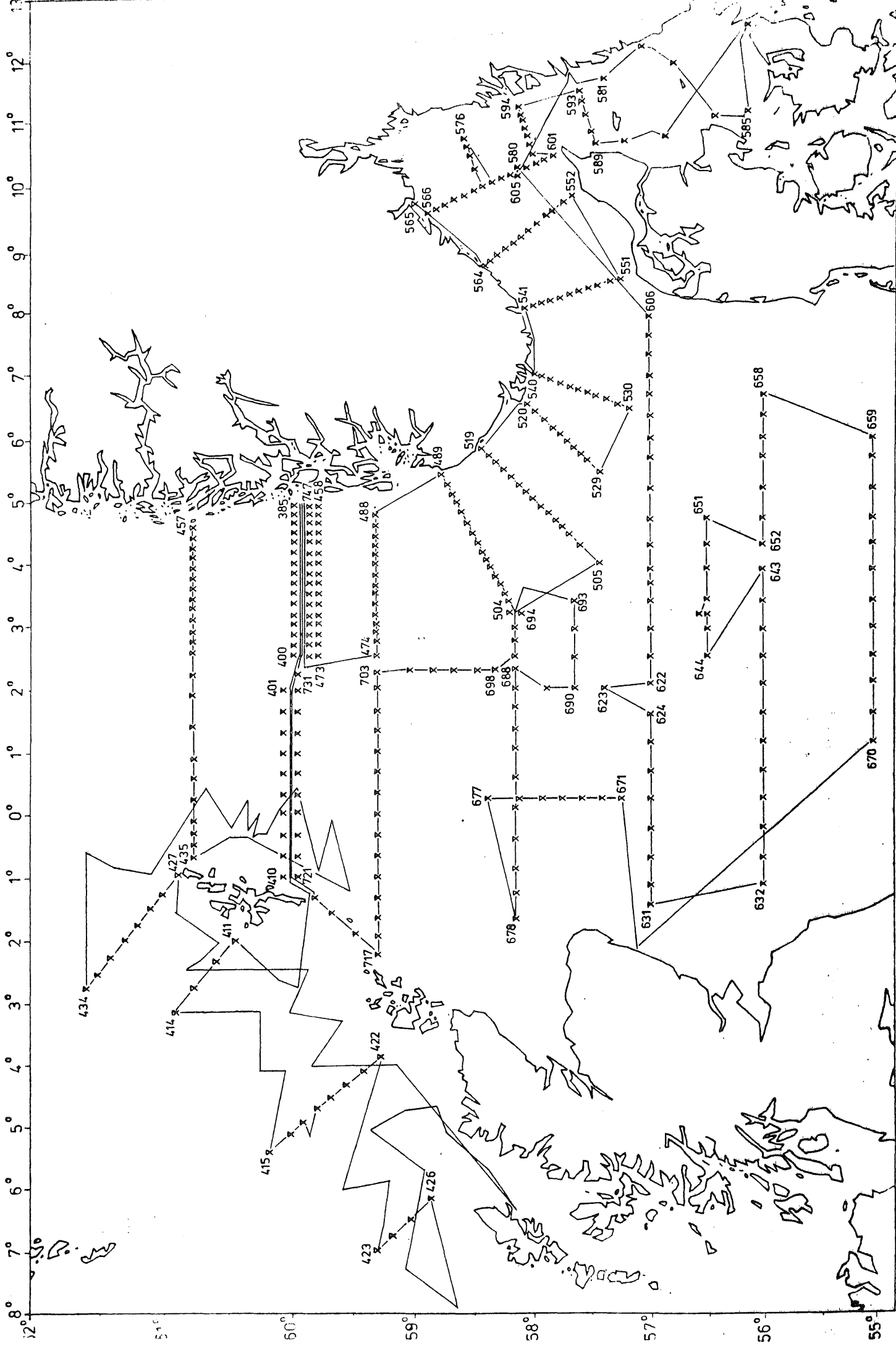




2 - 15 MAY 1974

ST. NO. 259 - 384

"JOHAN HJORT"

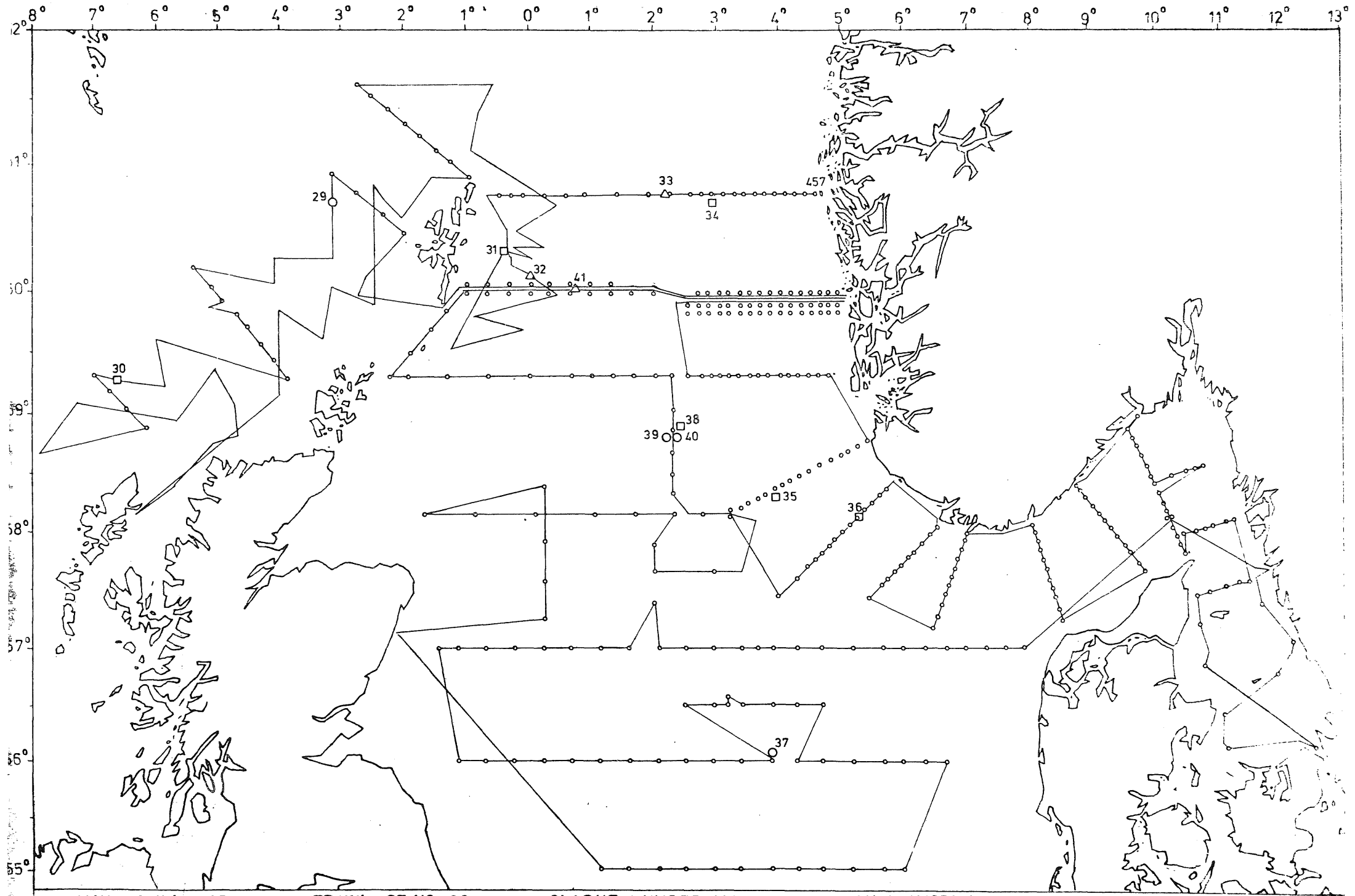


24 MAY -12 JULY 1974

ST. NO. 385 - 747

..JOHAN. HJORT..



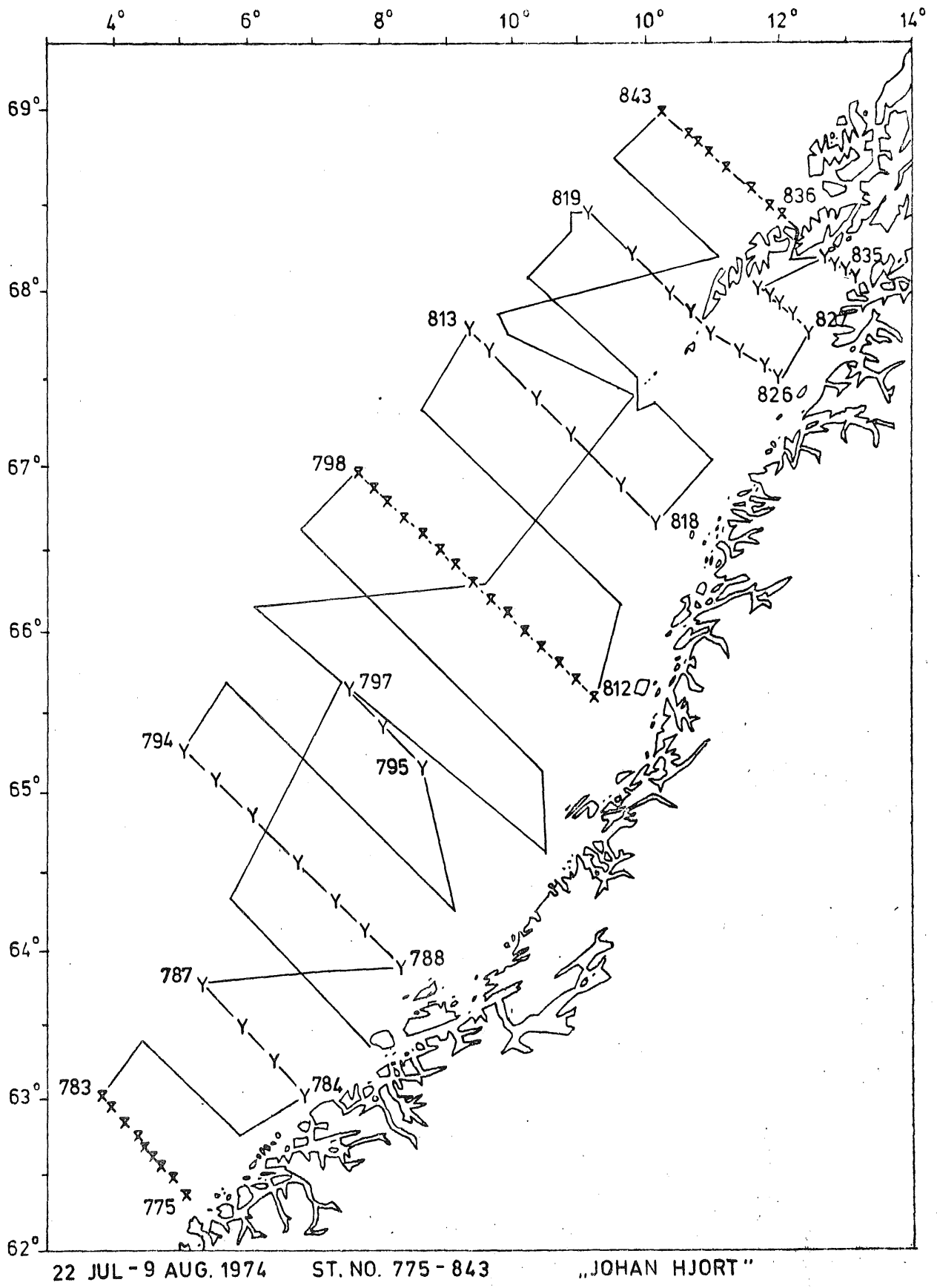


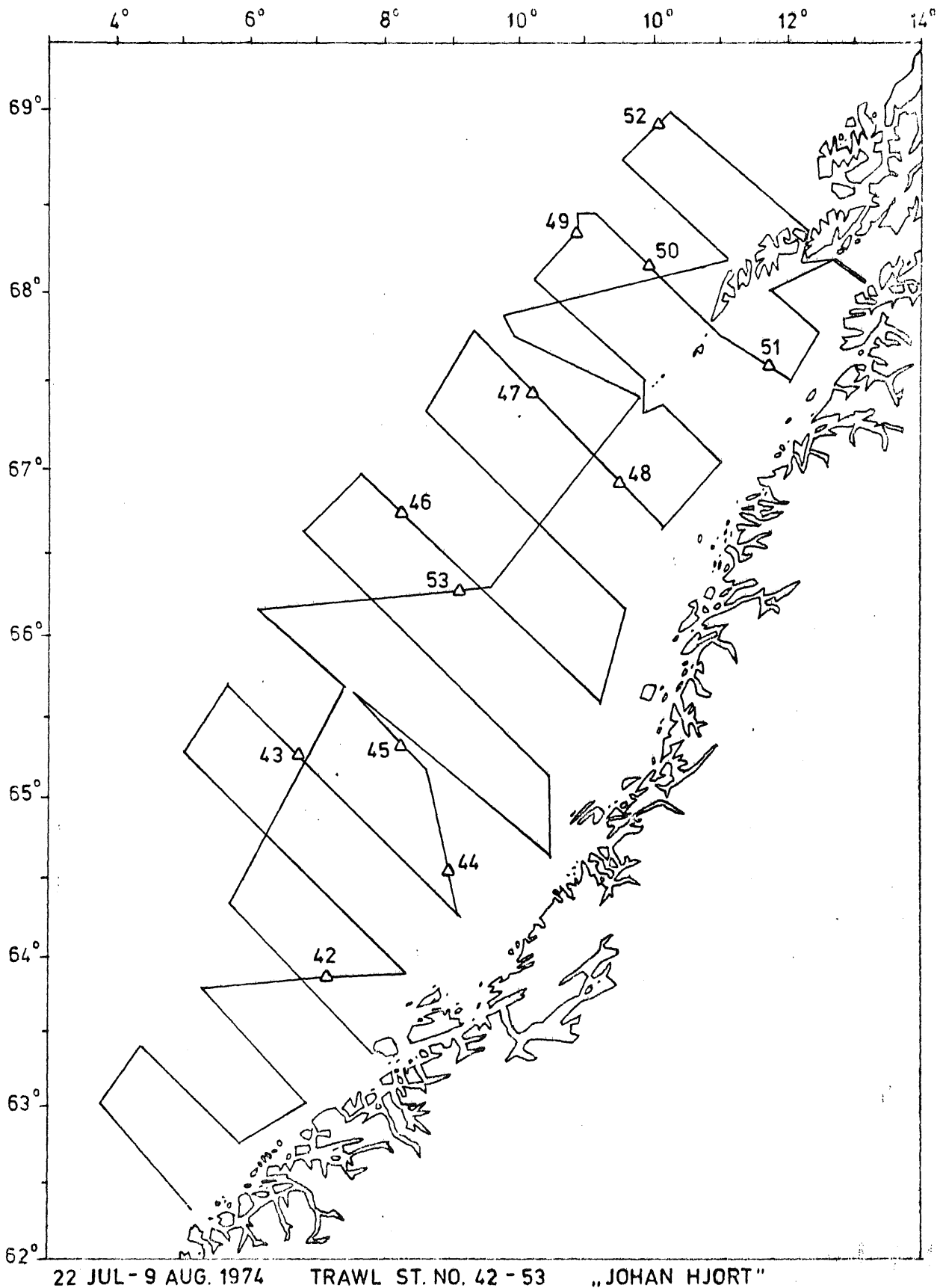
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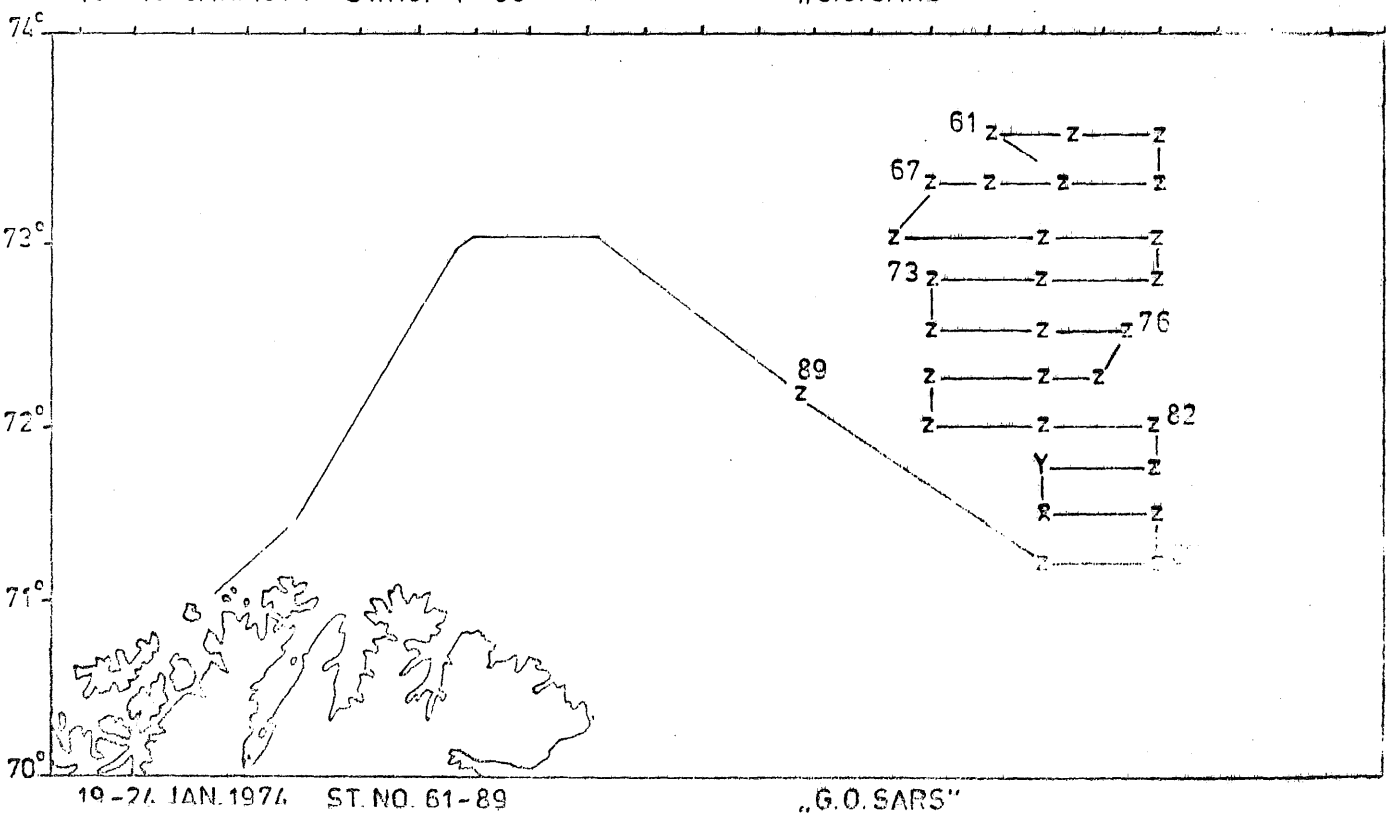
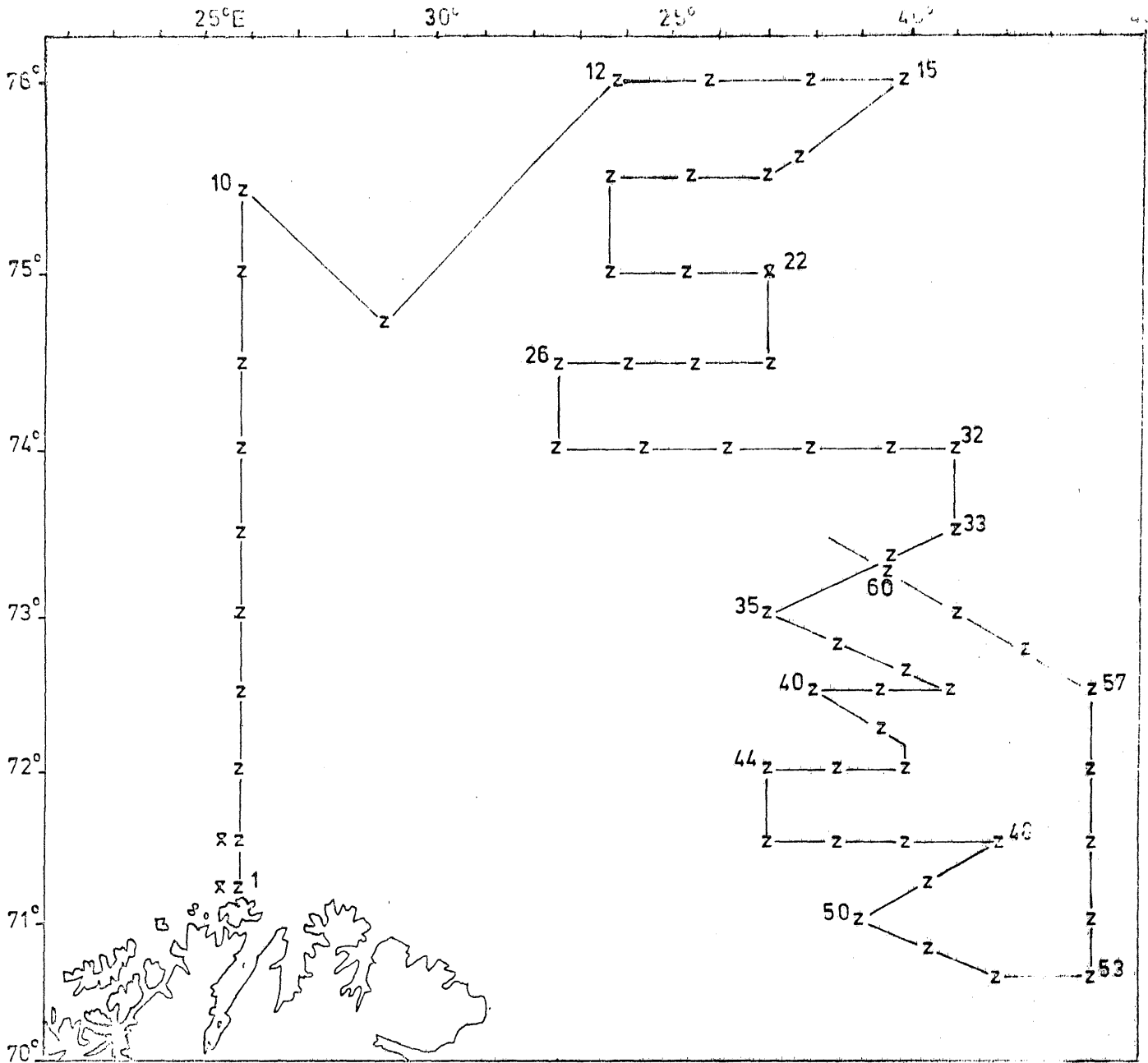
TRAWL ST. NO. 29-41

CLARKE NUMBER 339

„JOHAN HJORT“







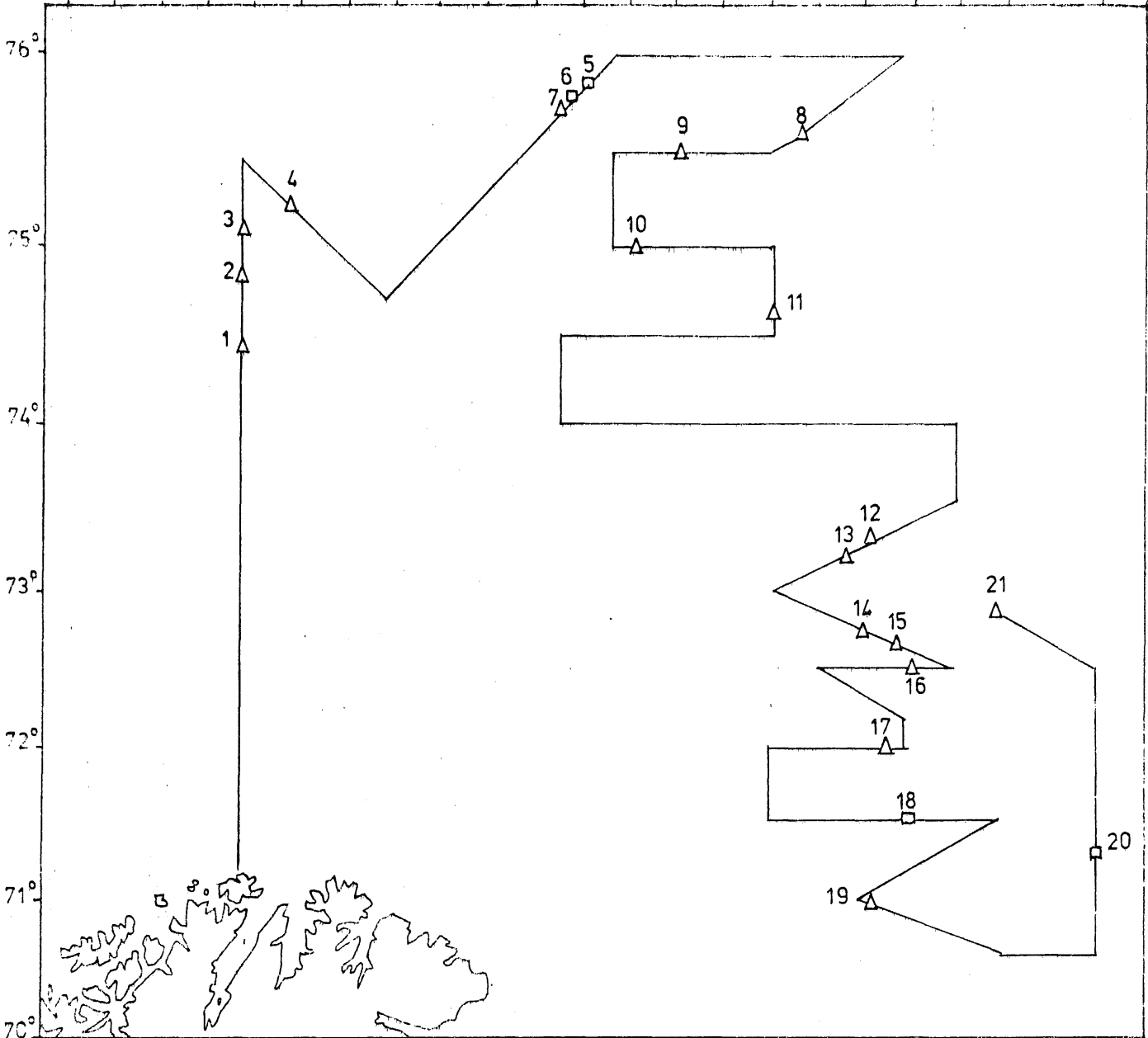
25°E

30°

25°

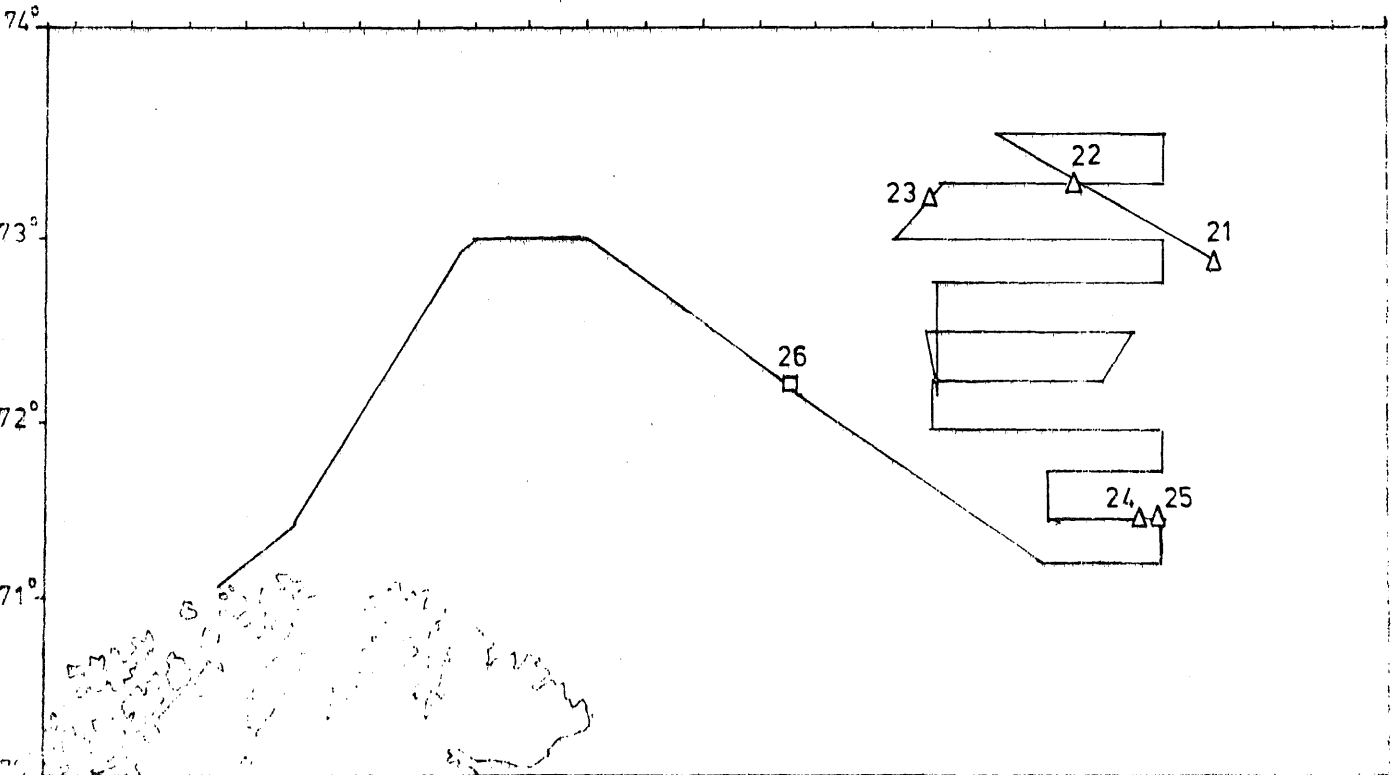
40°

45°



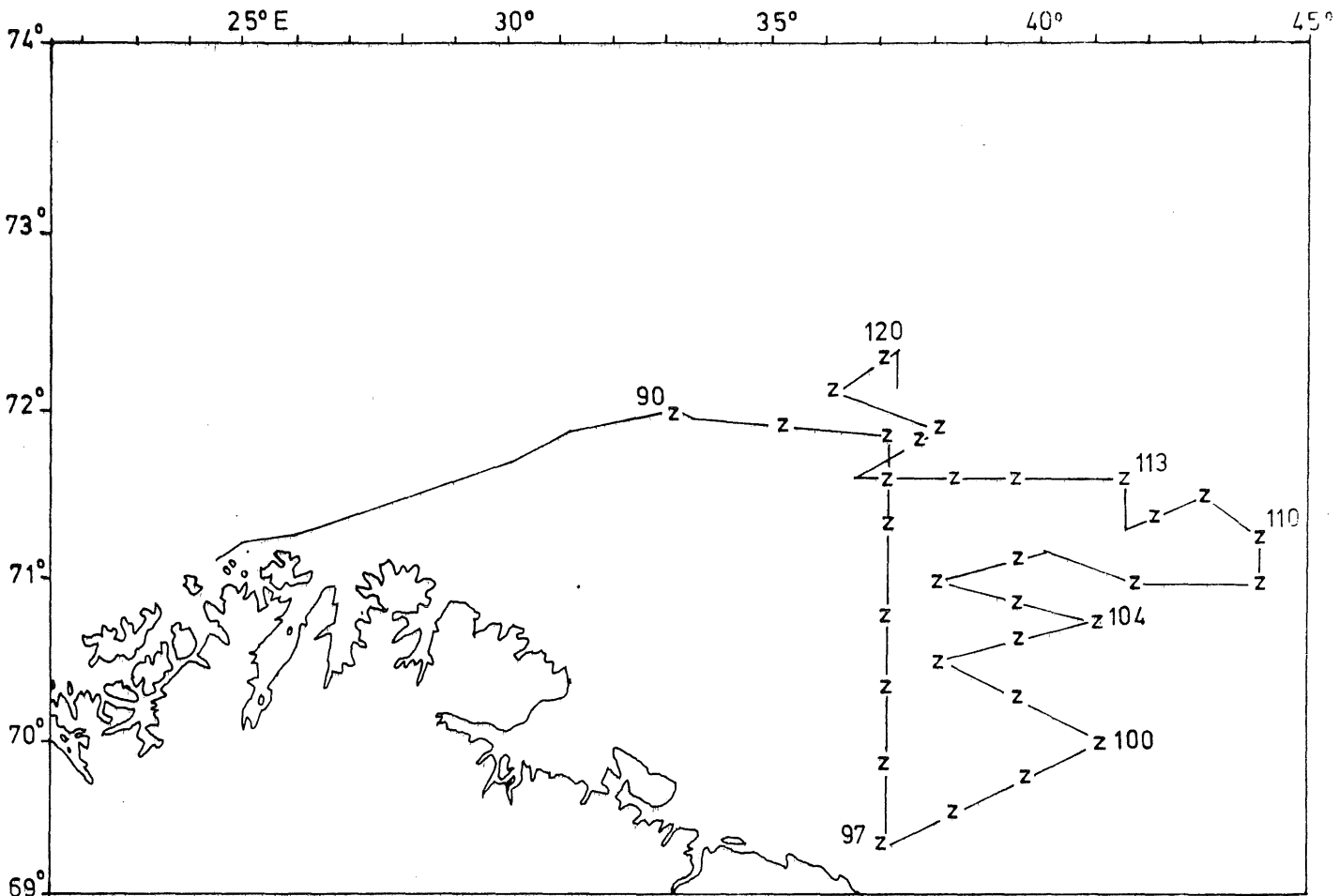
10 - 19 JAN. 1974 TRAWL ST. 1-21

"G.O. SARS"



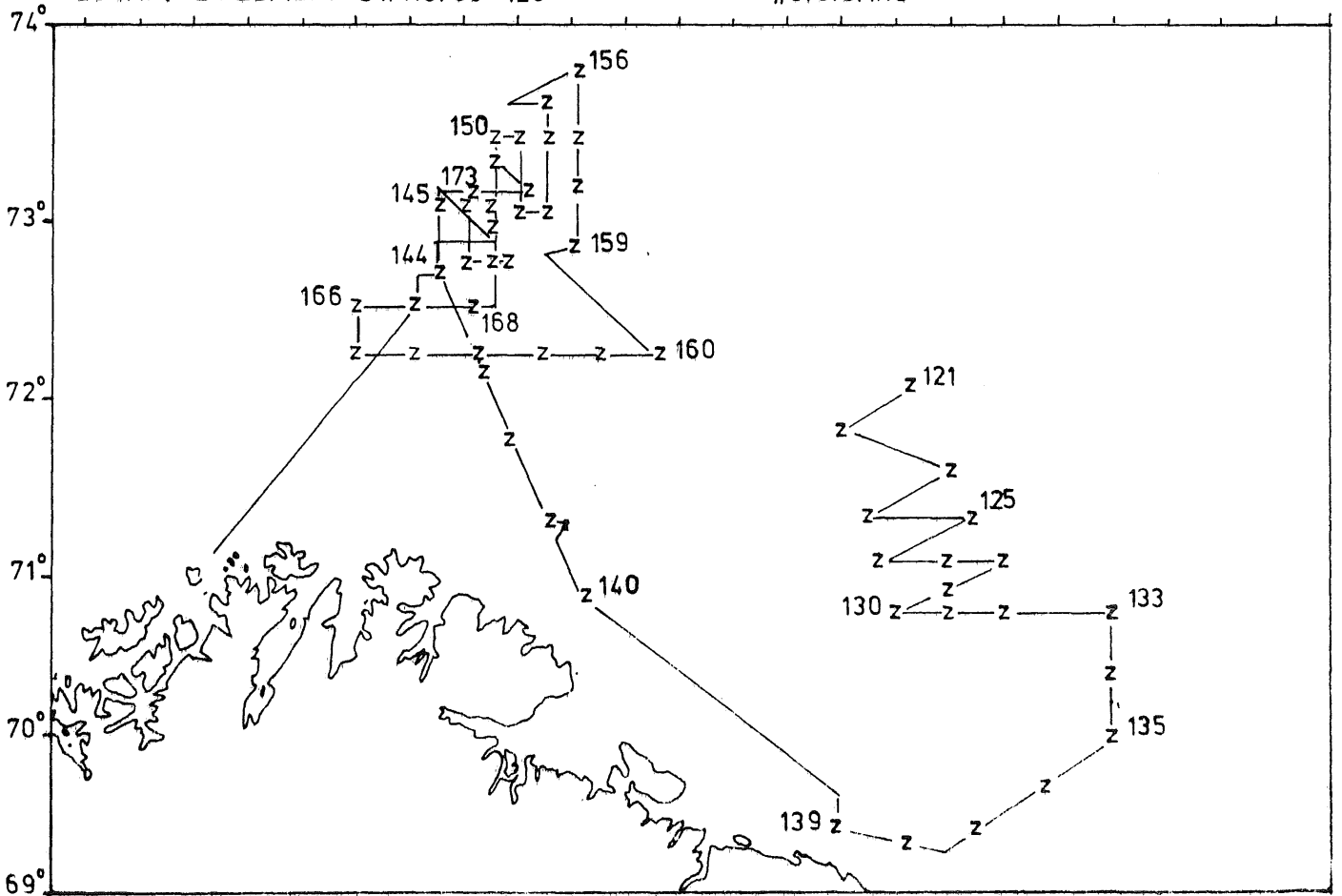
11 - 20 JAN. 1974 TRAWL ST. 21-26

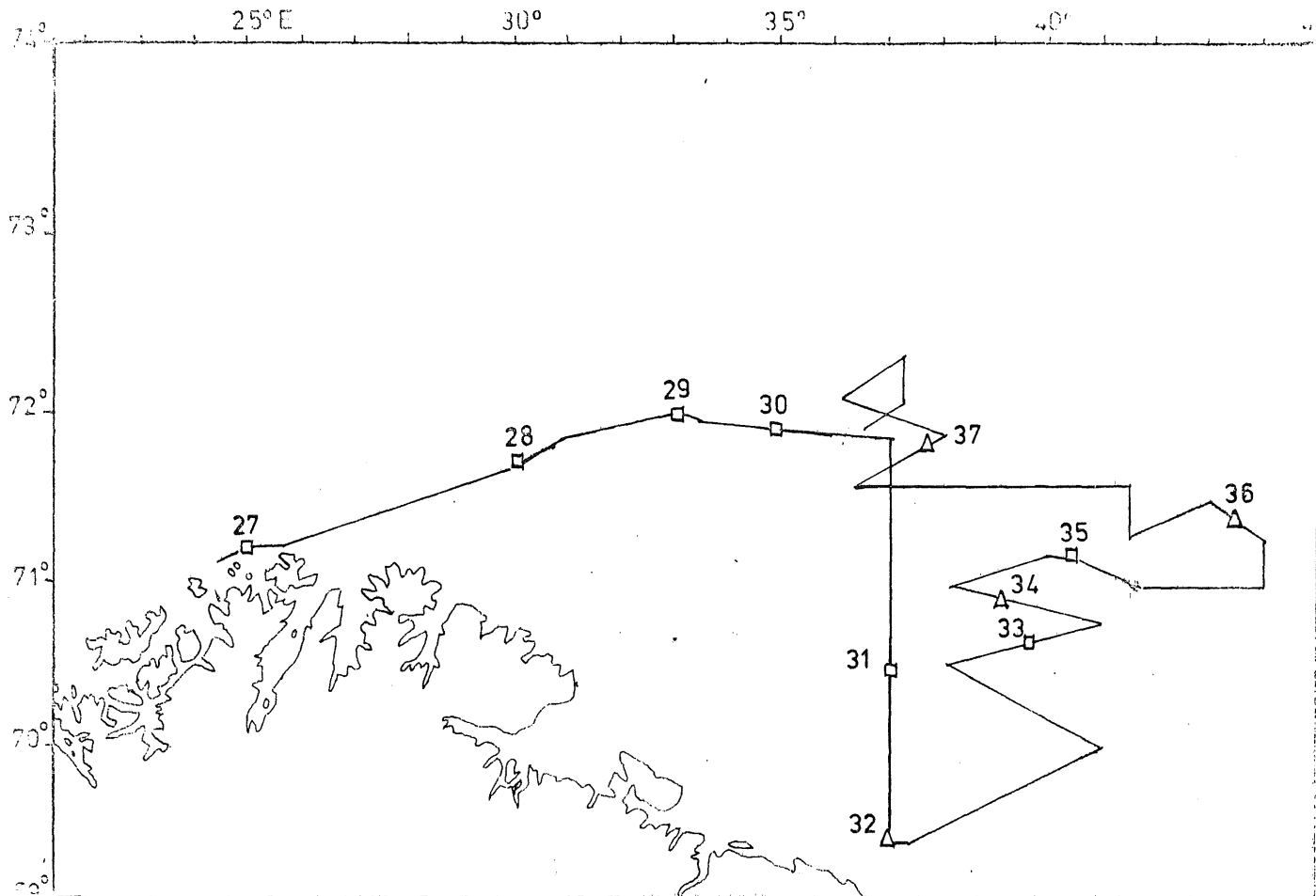
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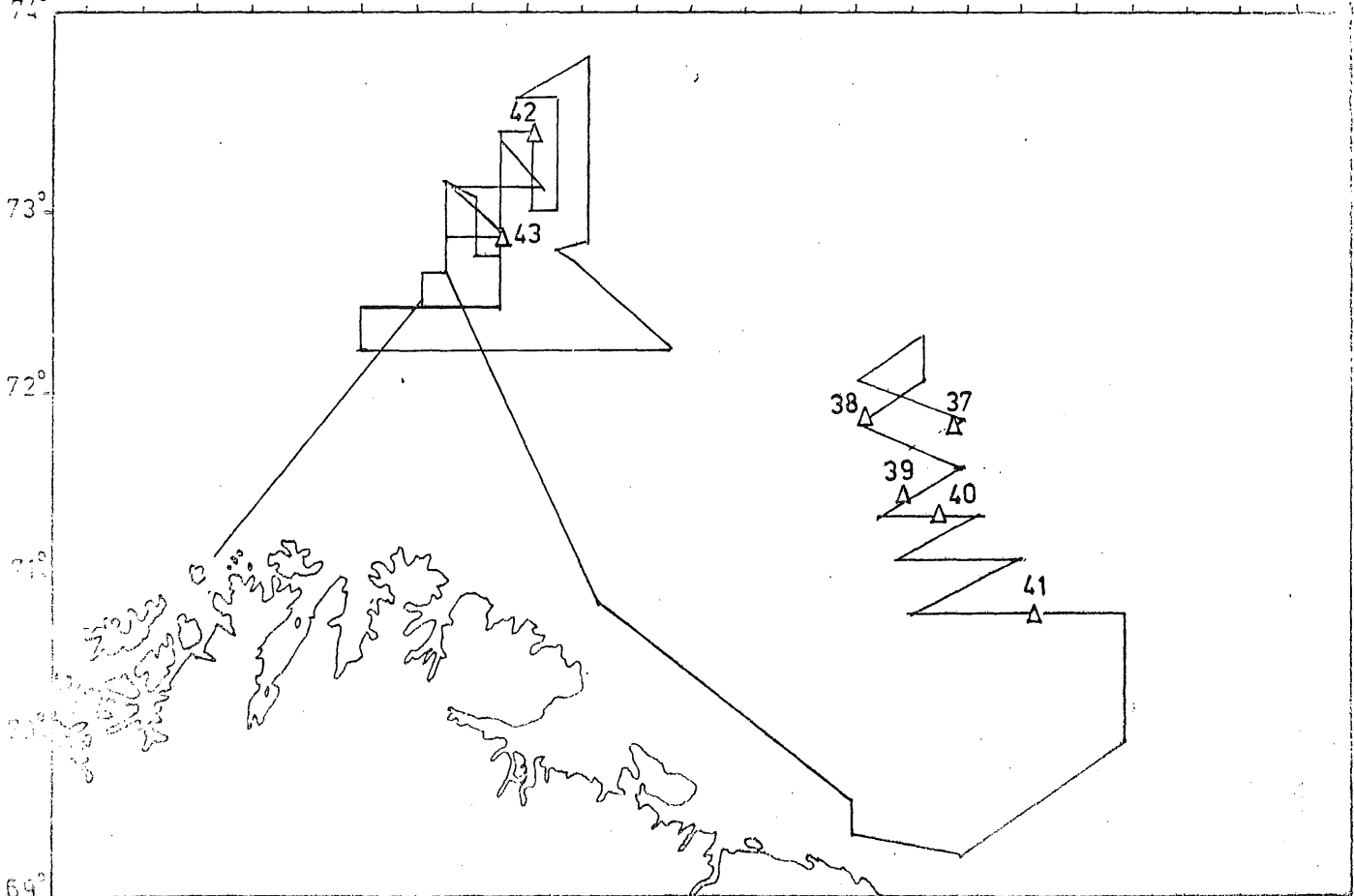
28 JAN. - 2 FEB. 1974 ST. NO. 90-120

„G.O. SARS“

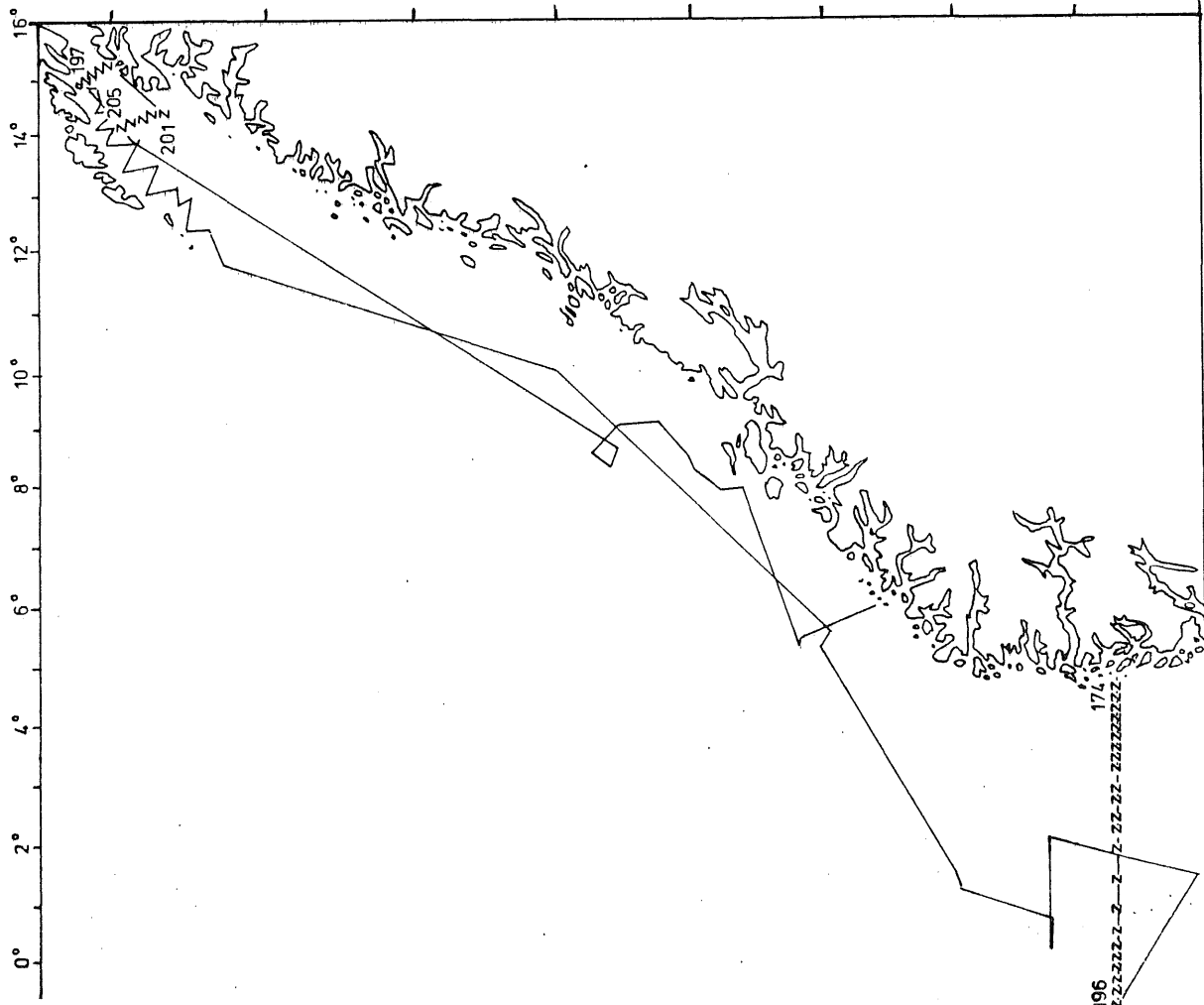
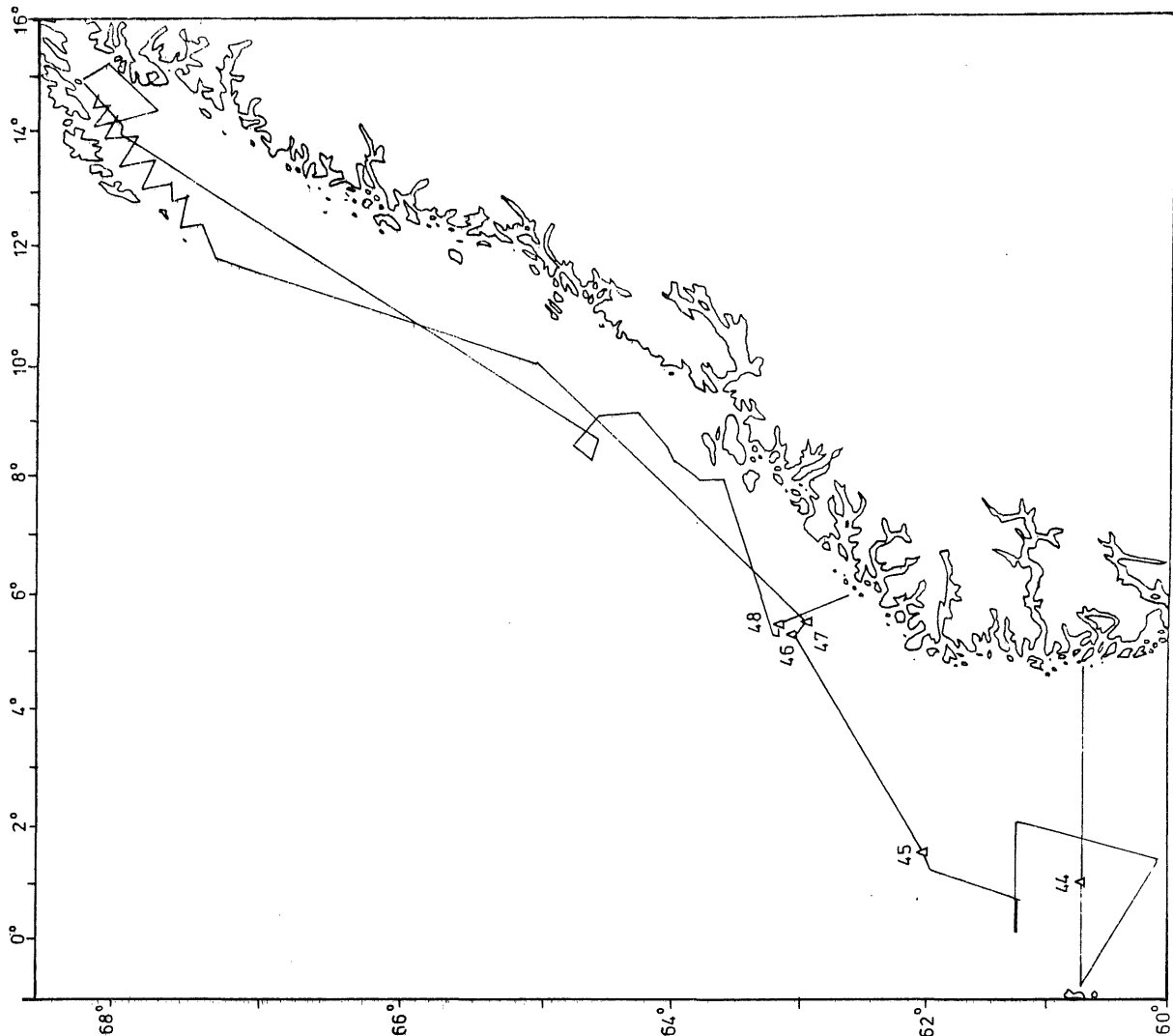




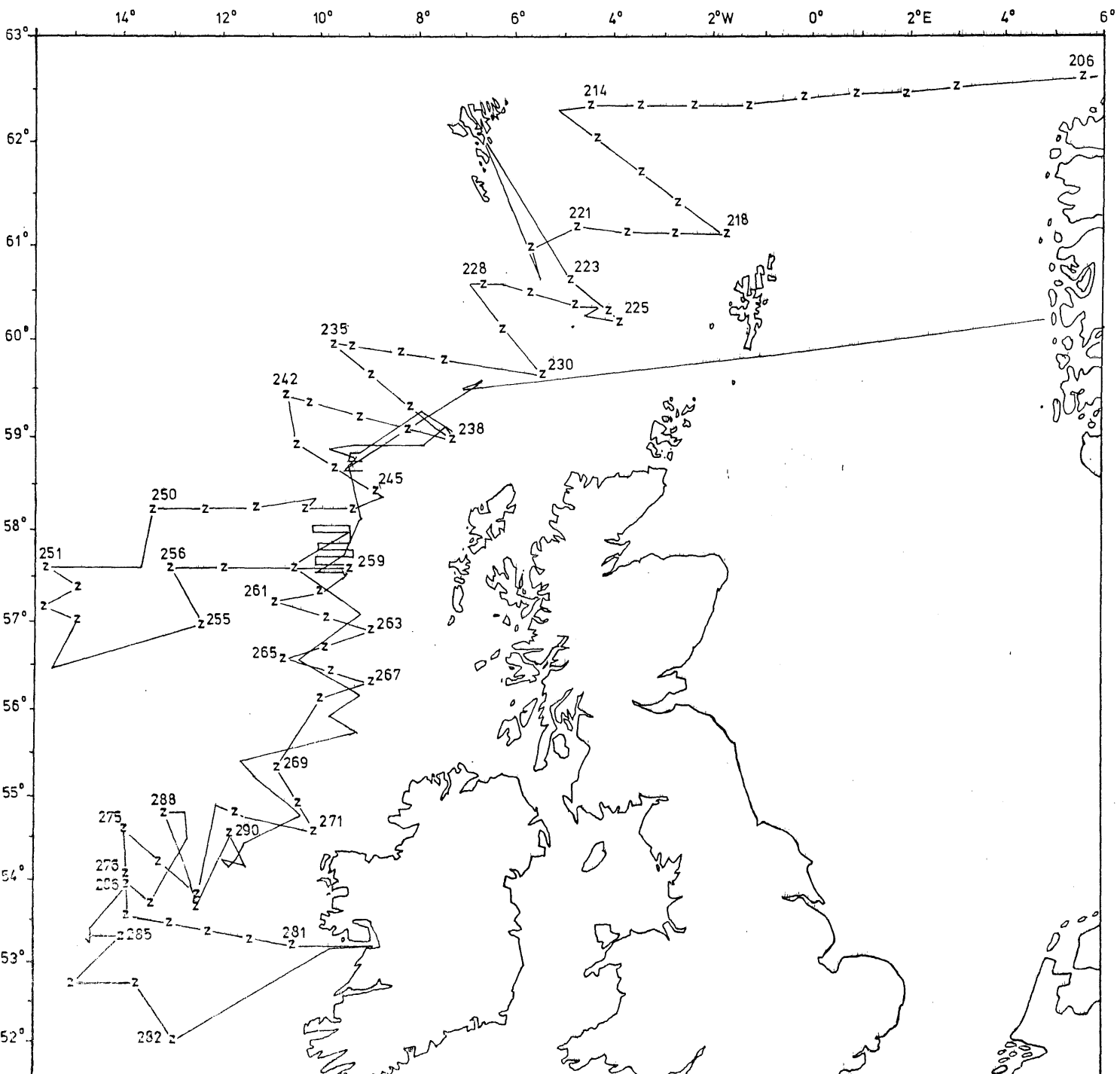
23 JAN. - 2 FEB. 1974 TRAWL ST. 27 - 37 "G.O.SARS"



2-11 FEB. 1974 TRAWL ST. 37 - 43 "G.O.SARS"



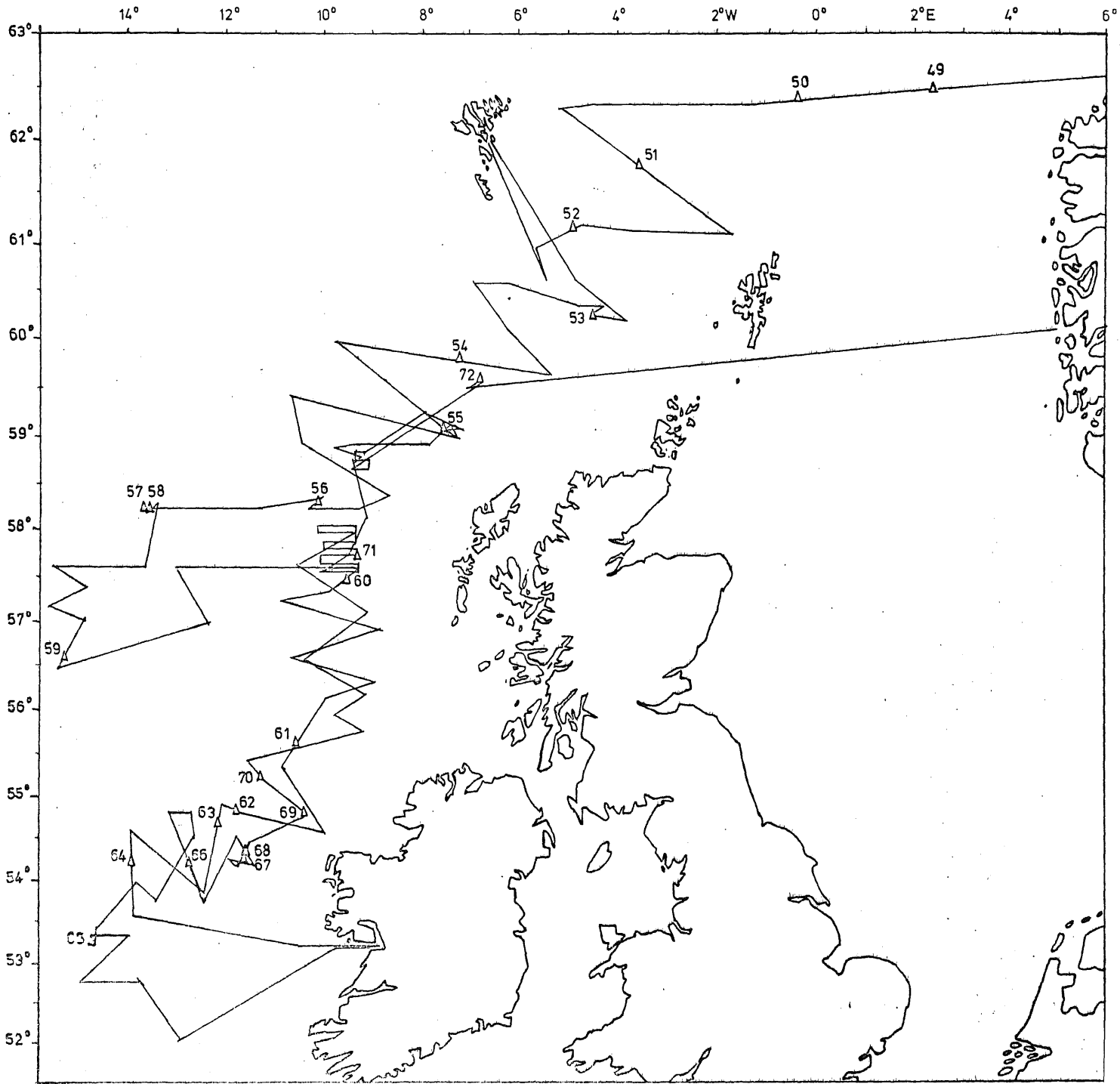




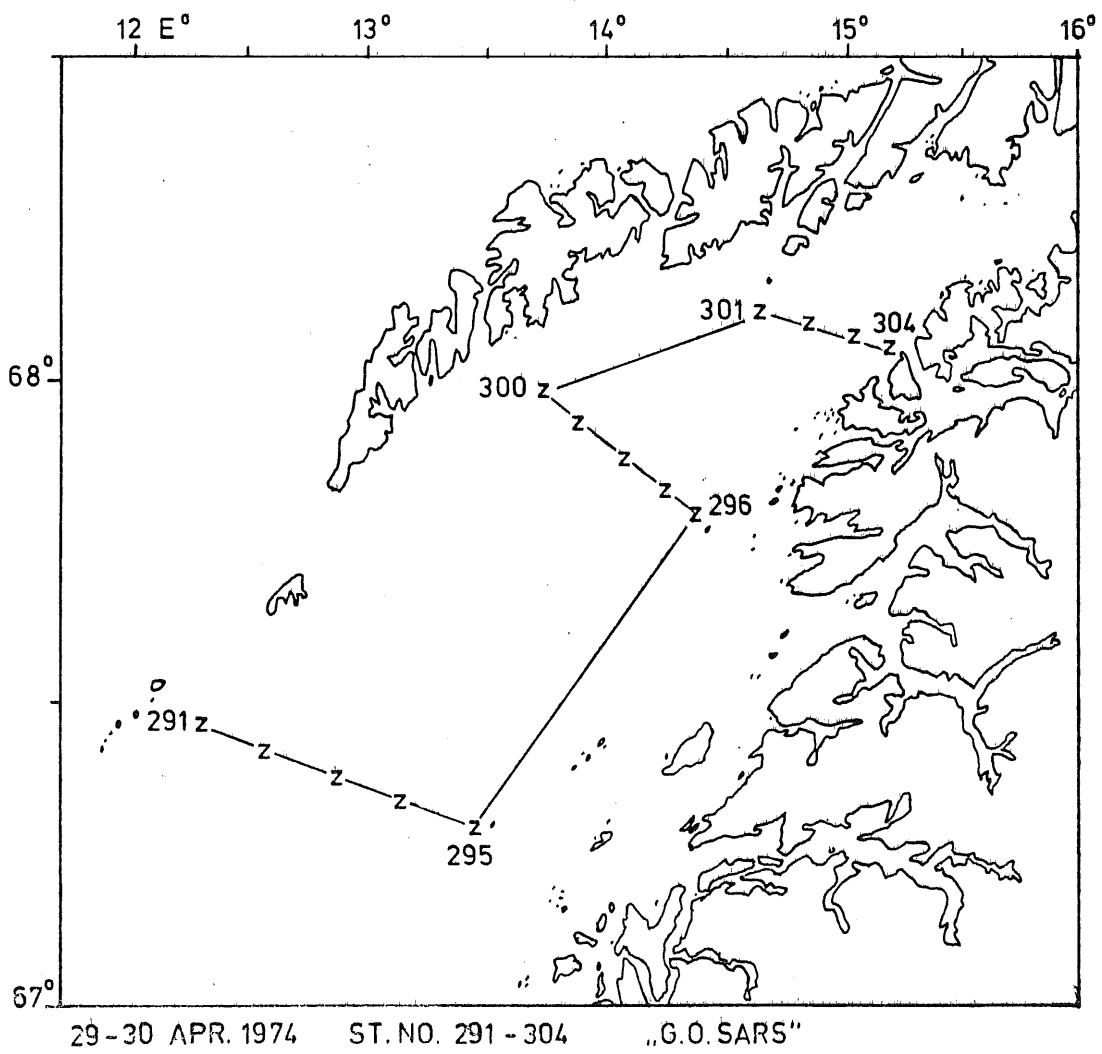
13 MAR. - 9 APR. 1974

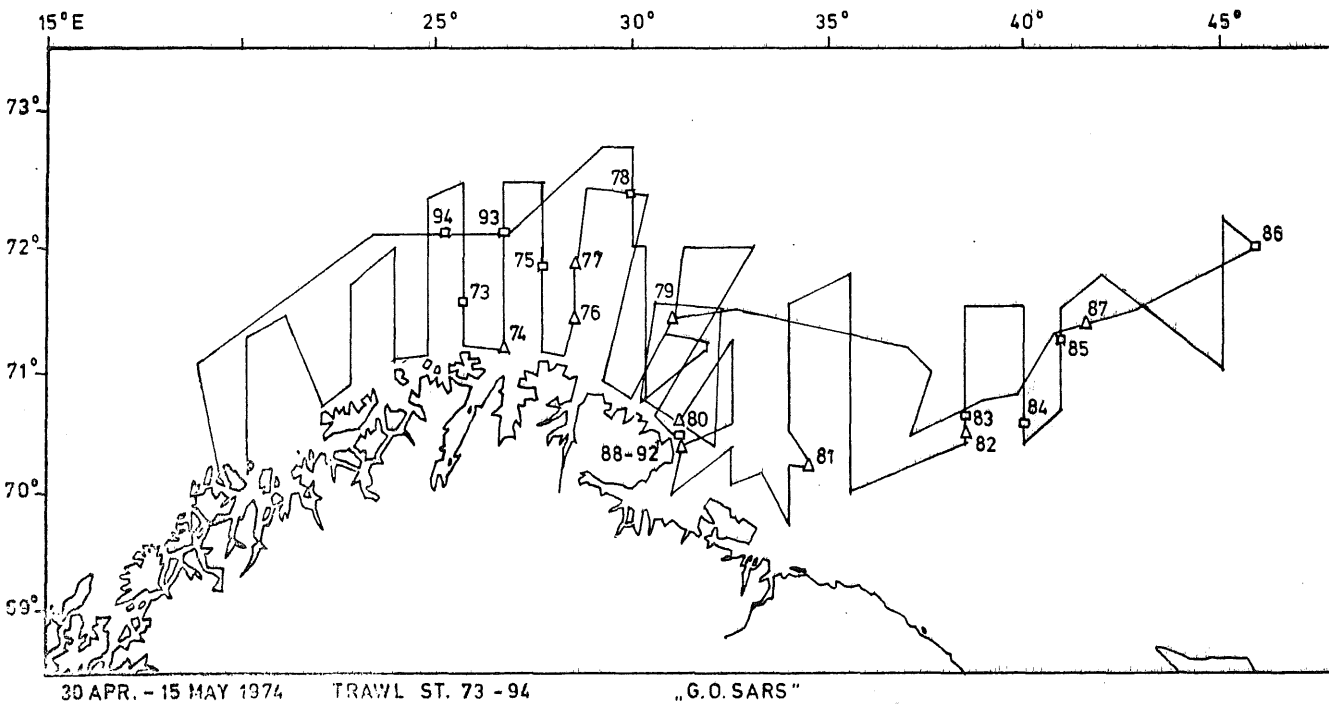
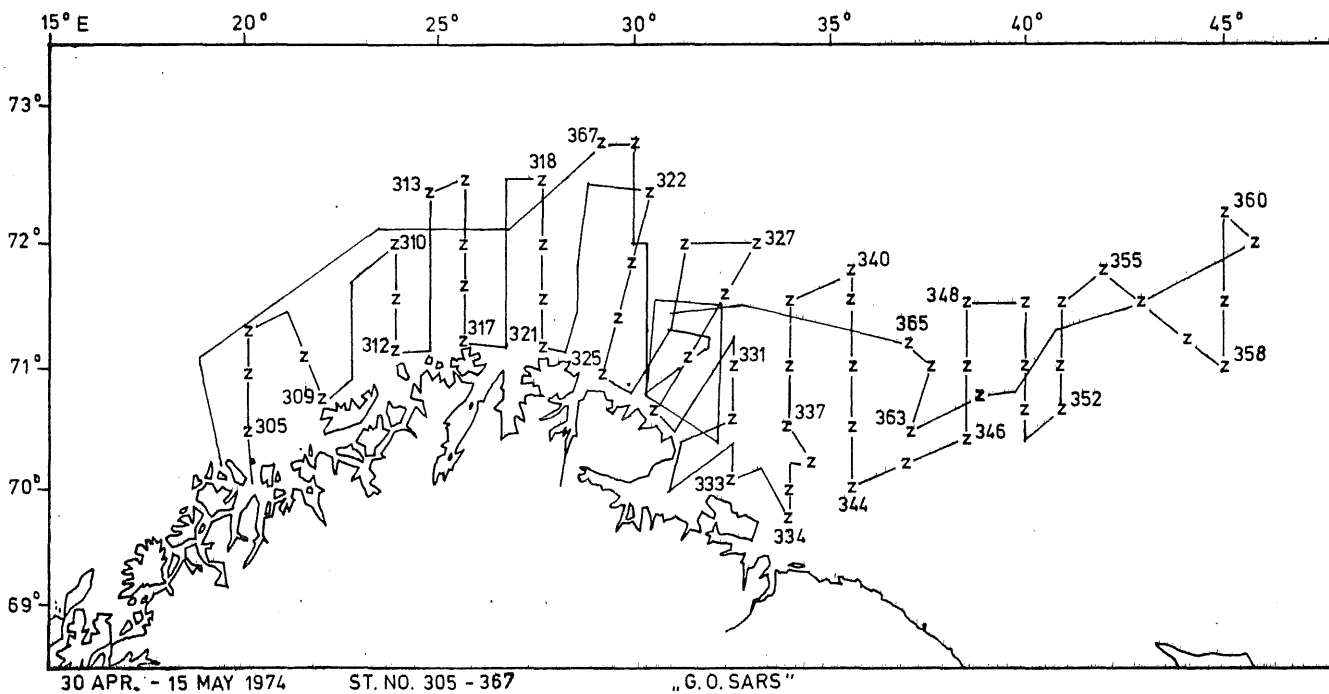
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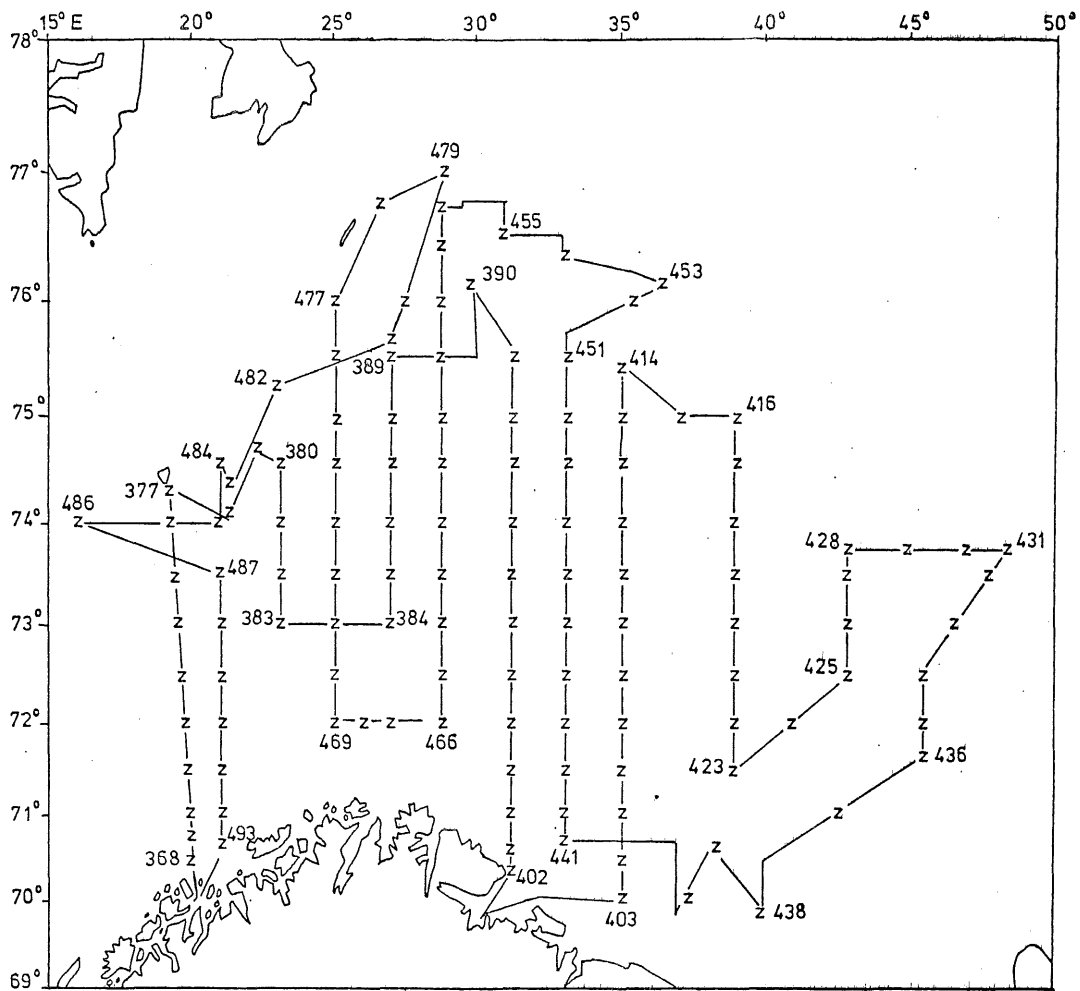
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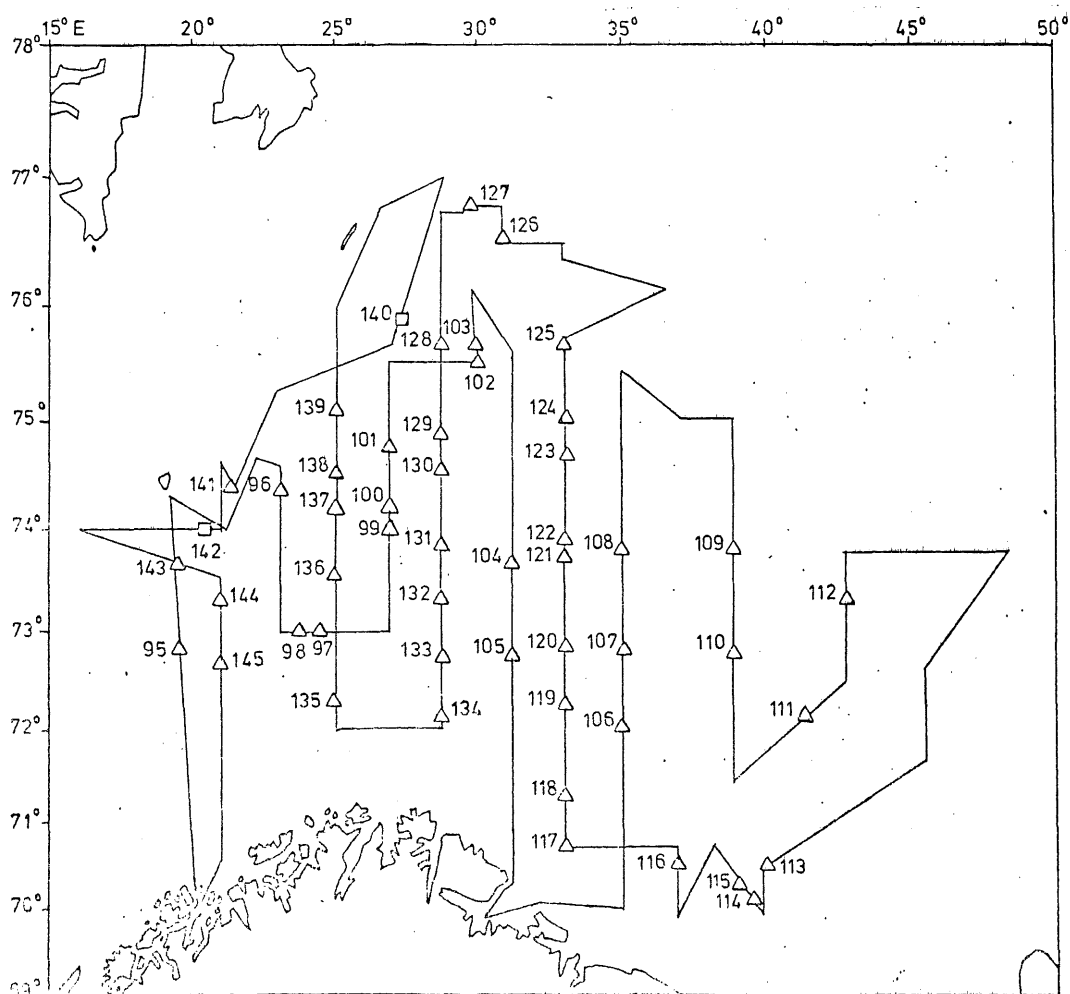
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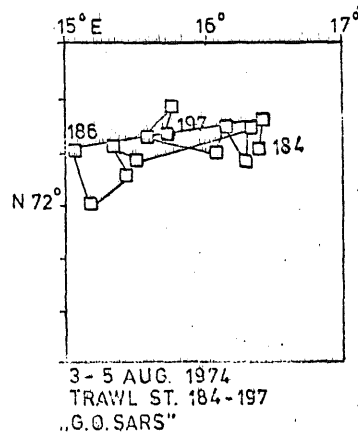
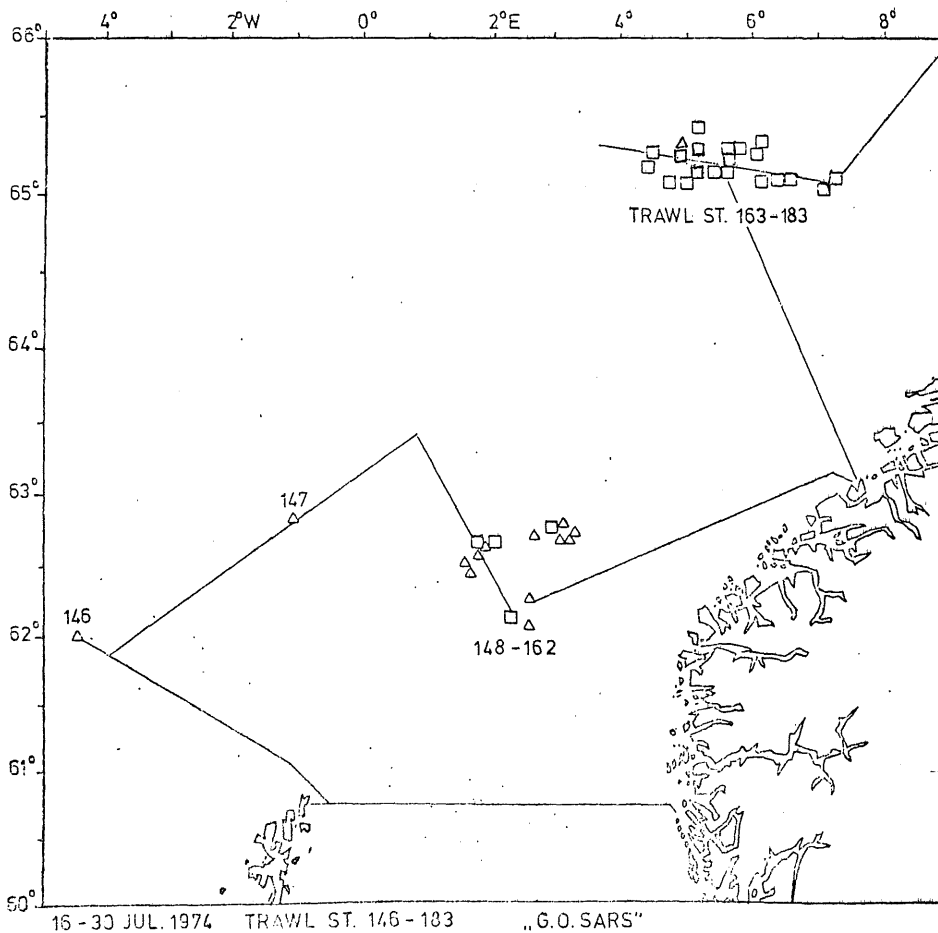
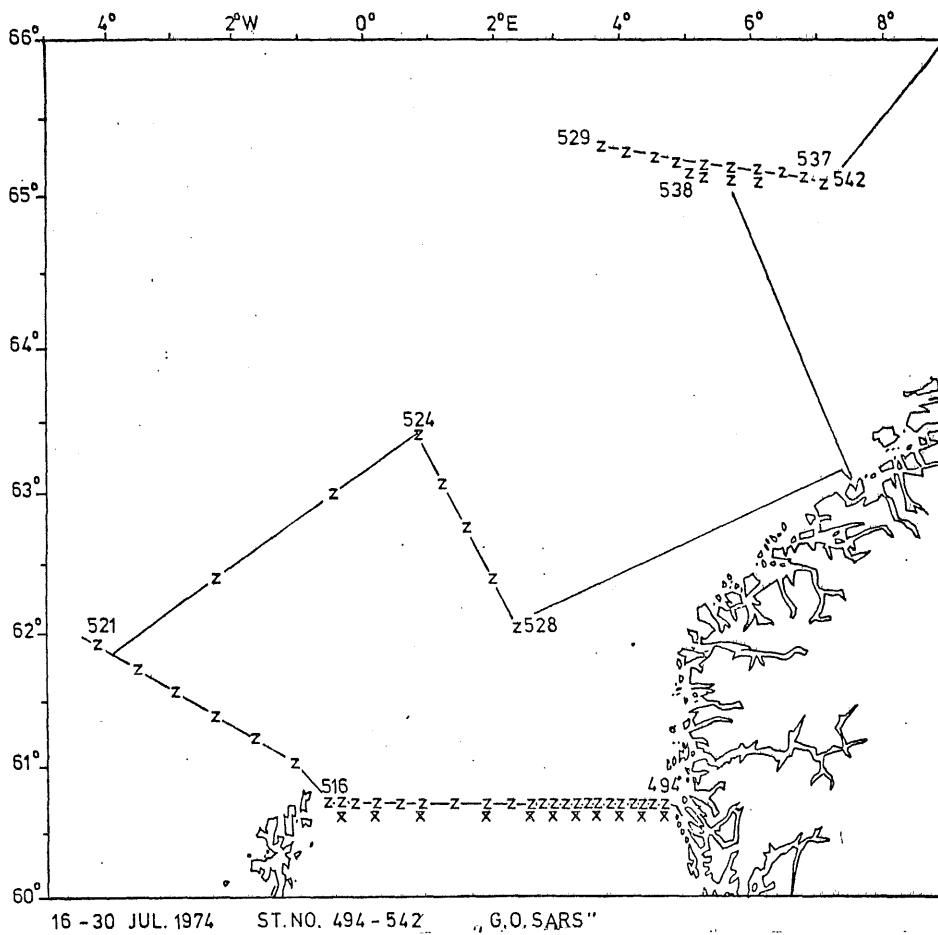


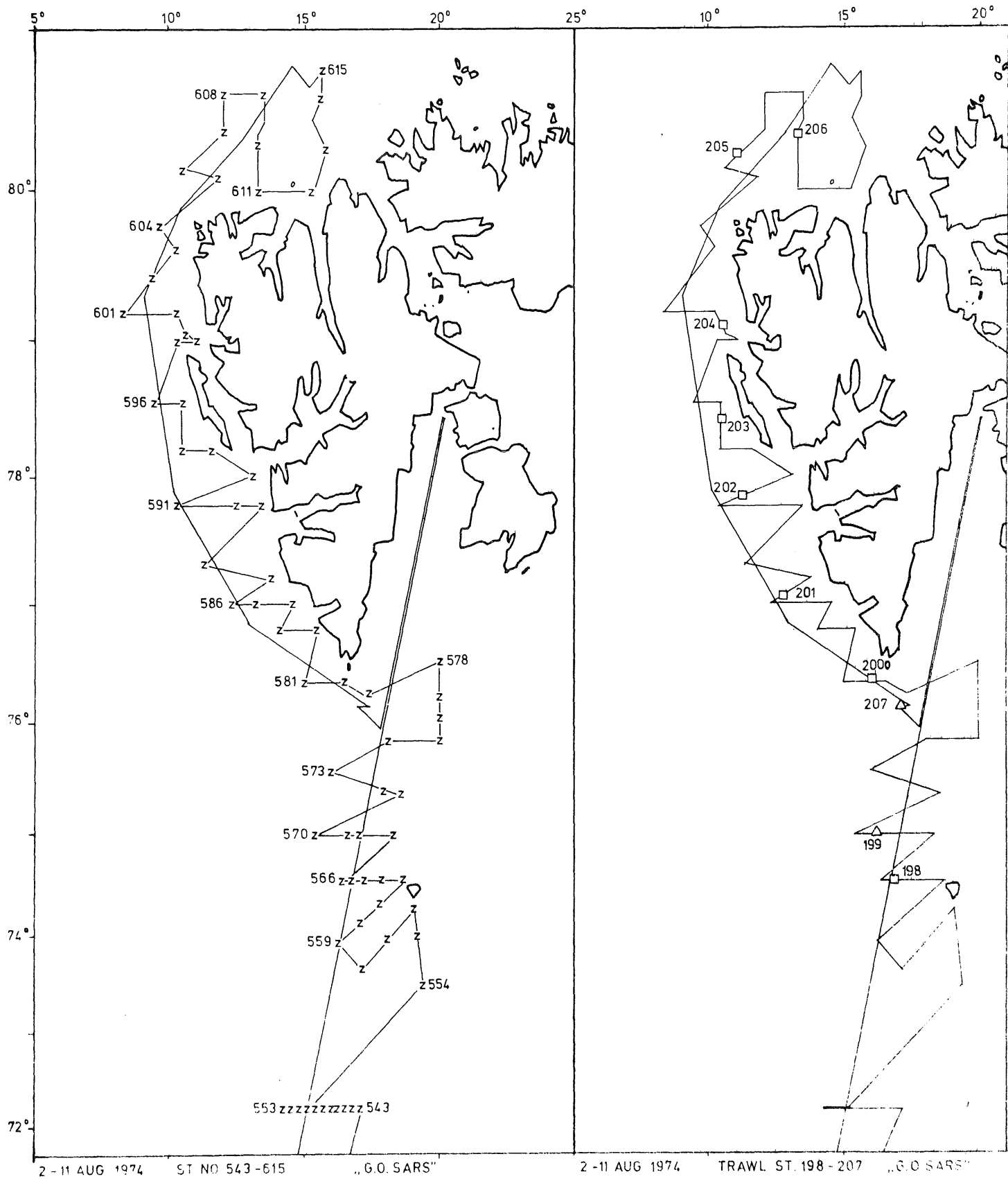


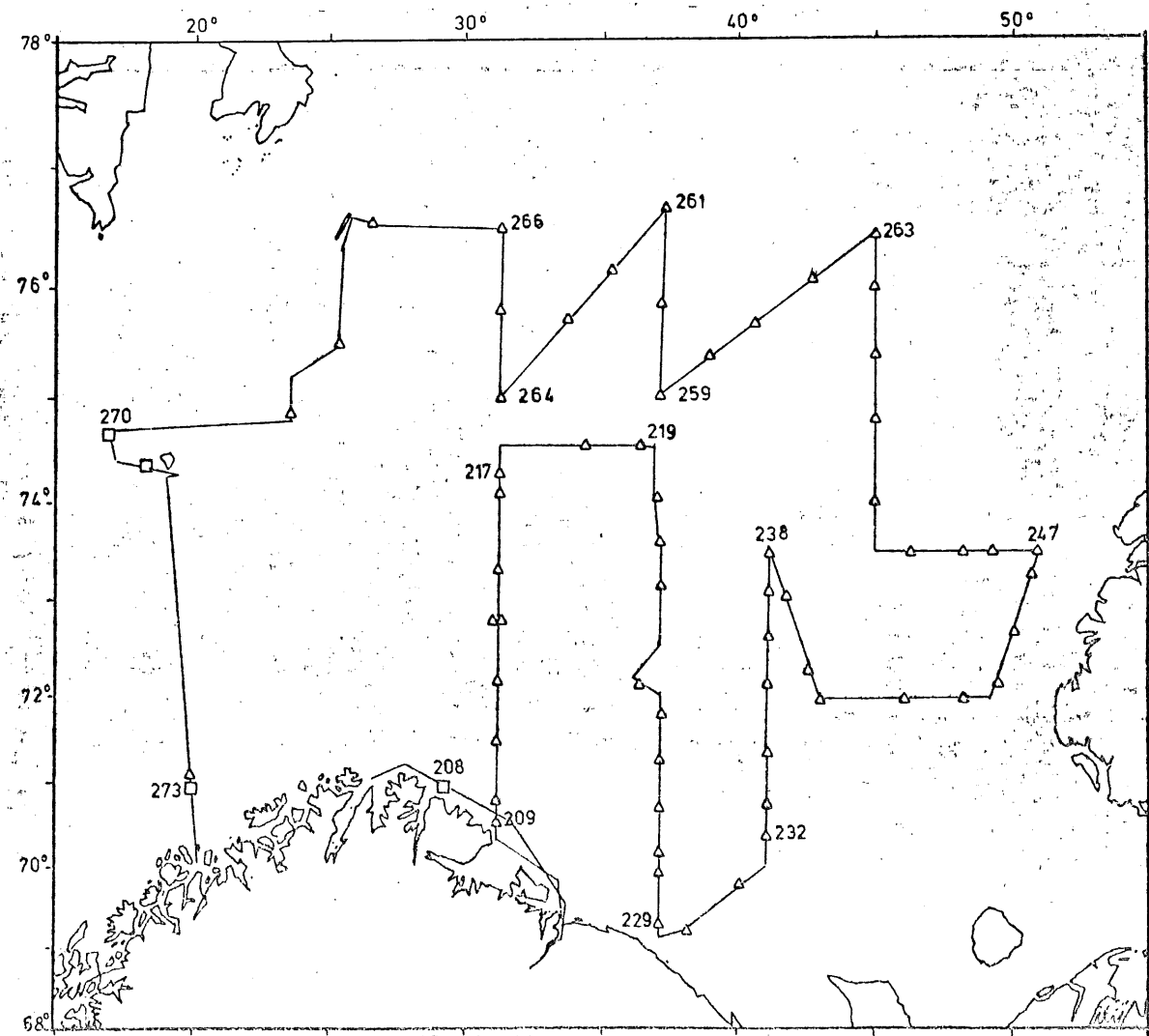
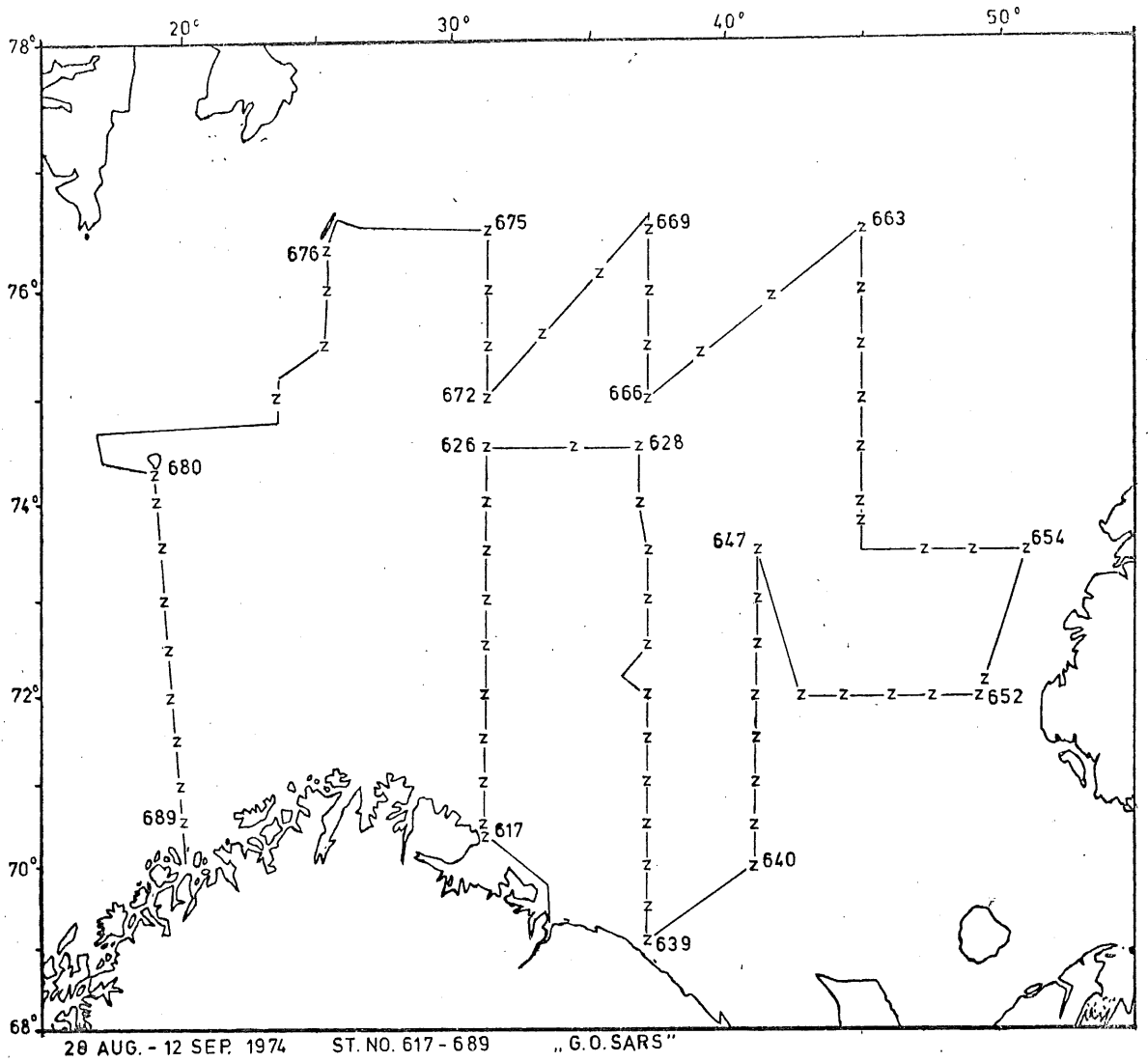
18 MAY - 10 JUN. 1974 ST. NO. 368 - 493 ..G.O.SARS''



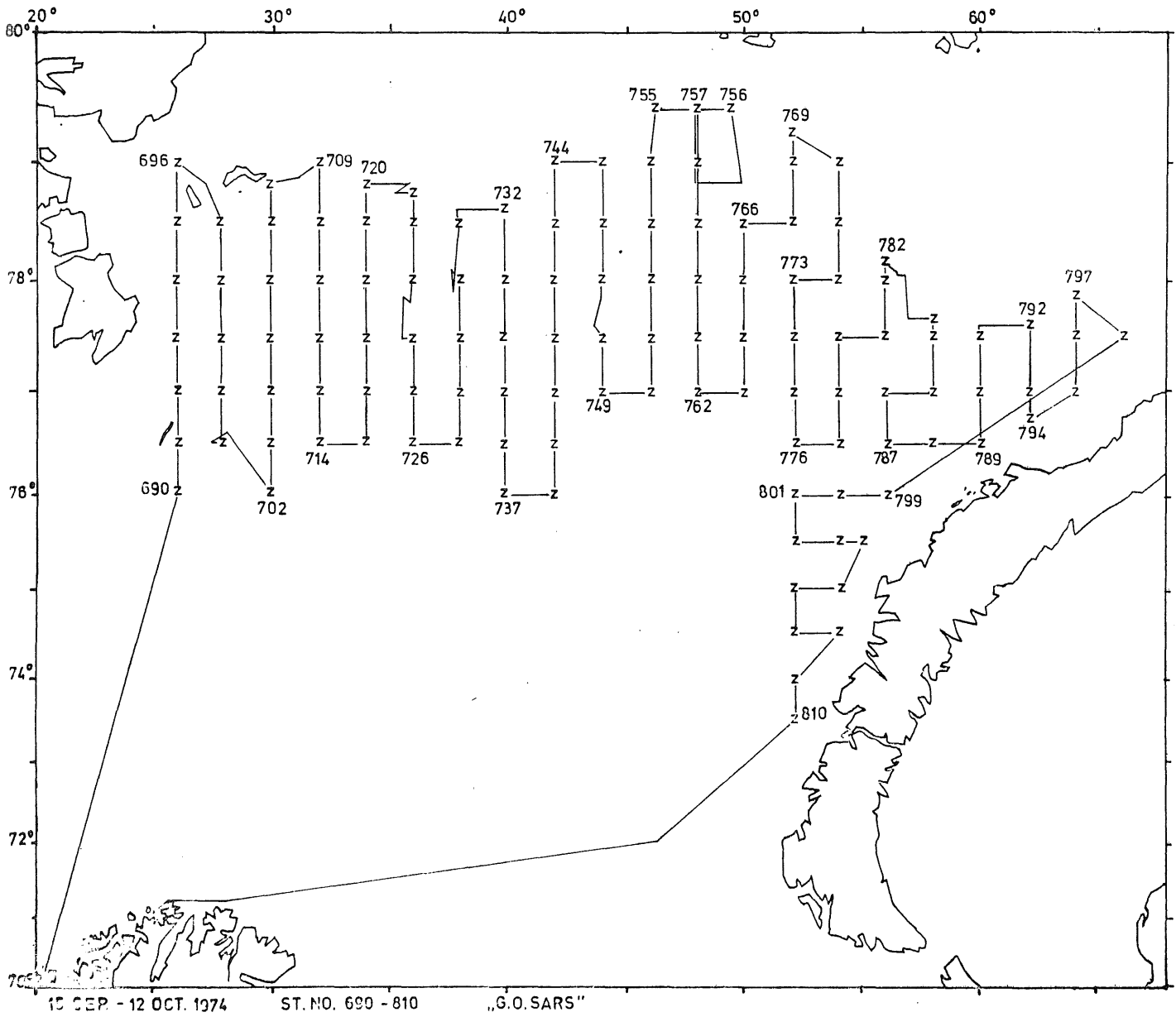
13 MAY - 10 JUN. 1974 TRAWL ST. 95 - 145 ..G.O.SARS''

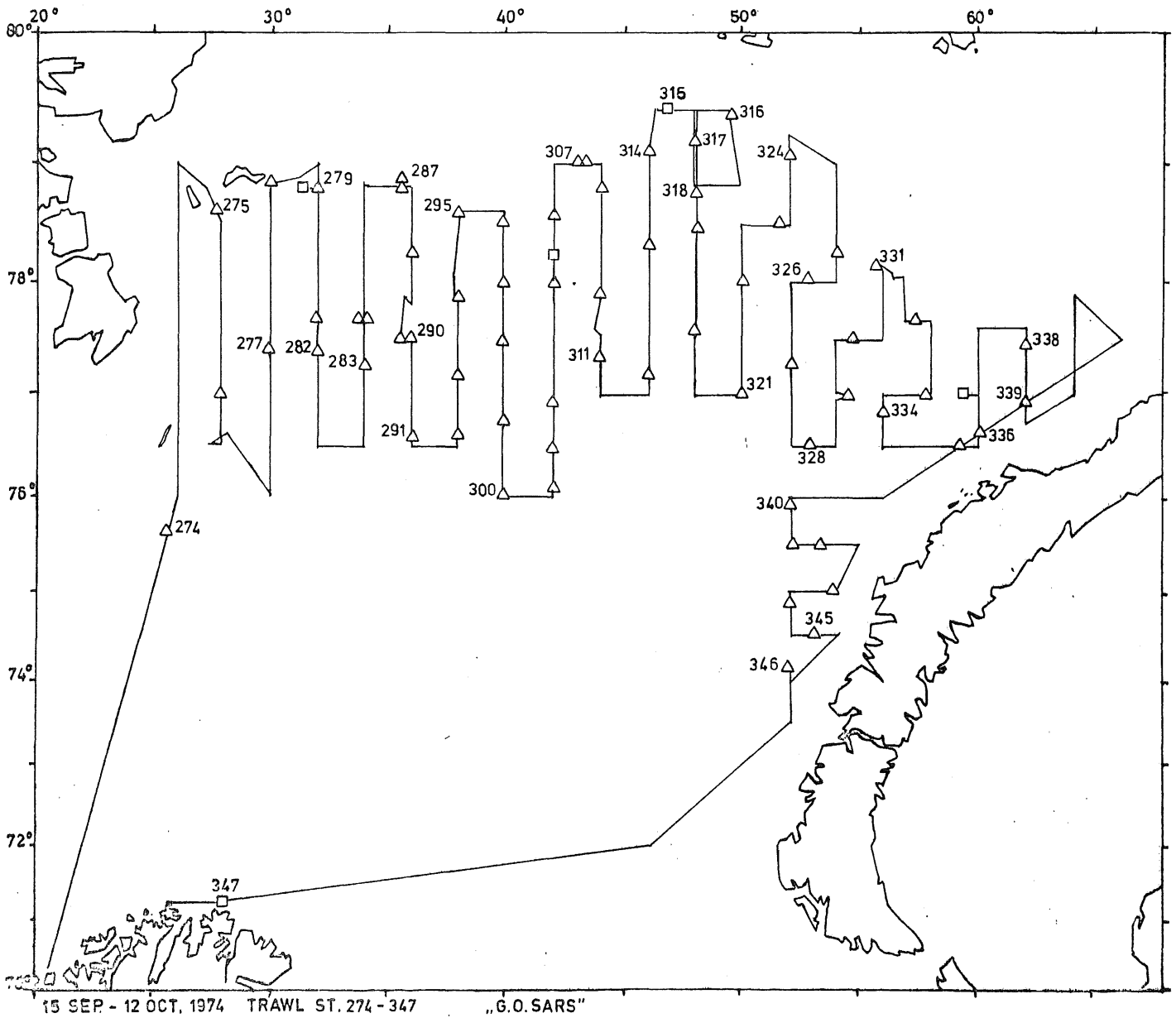




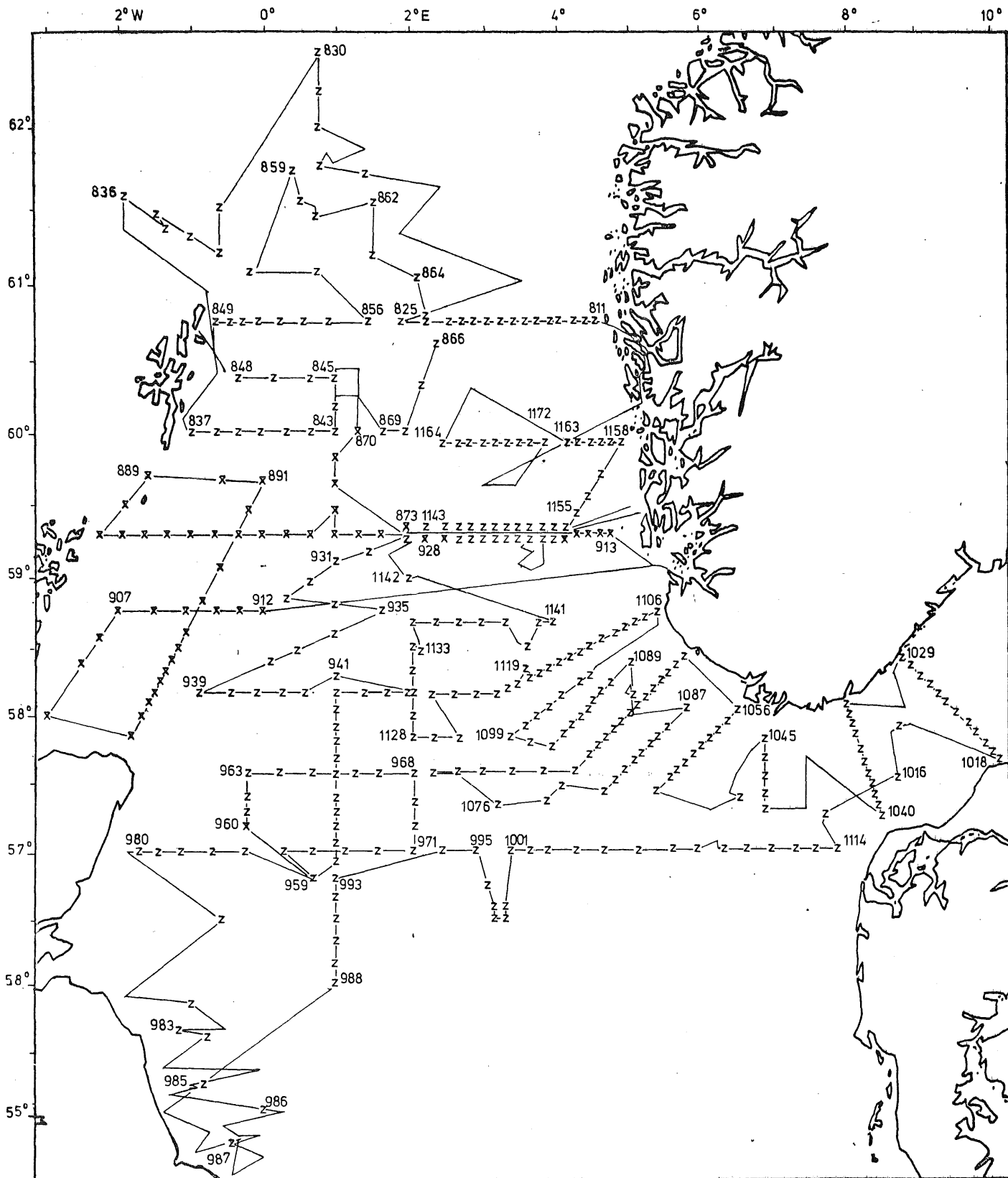




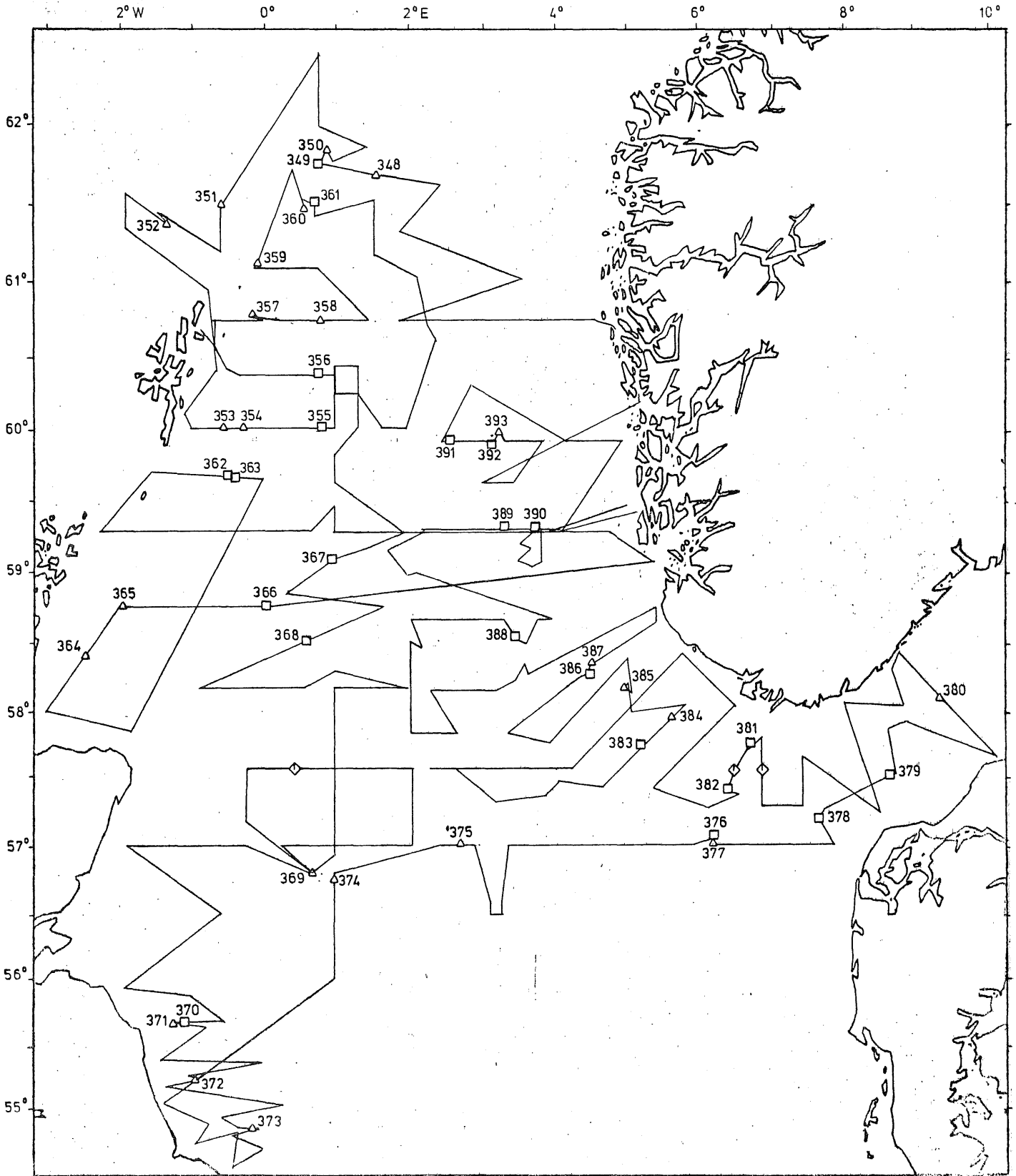




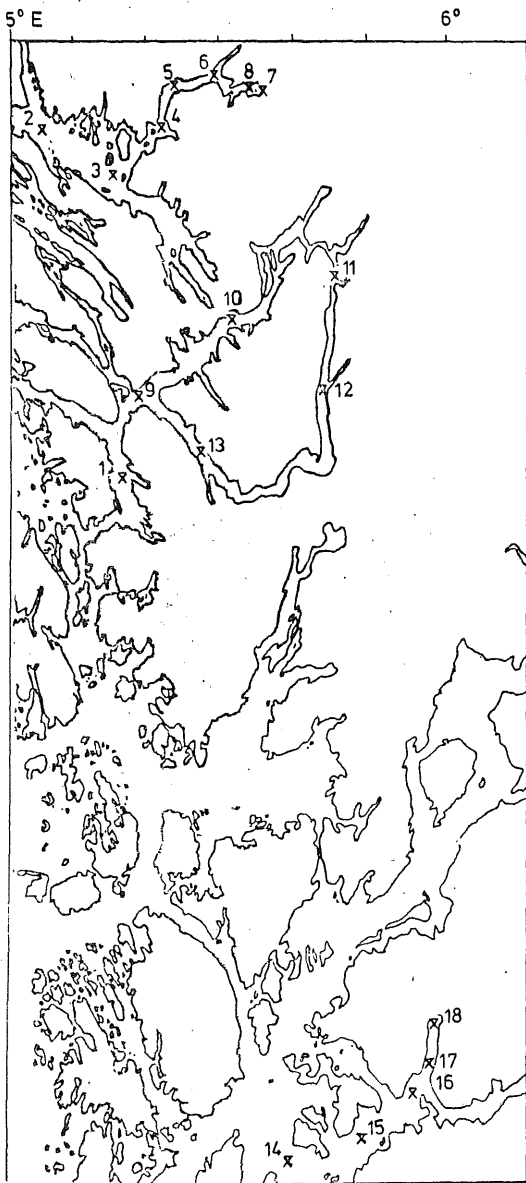
15 SEP - 12 OCT, 1974 TRAWL ST. 274-347 "G.O. SANS"



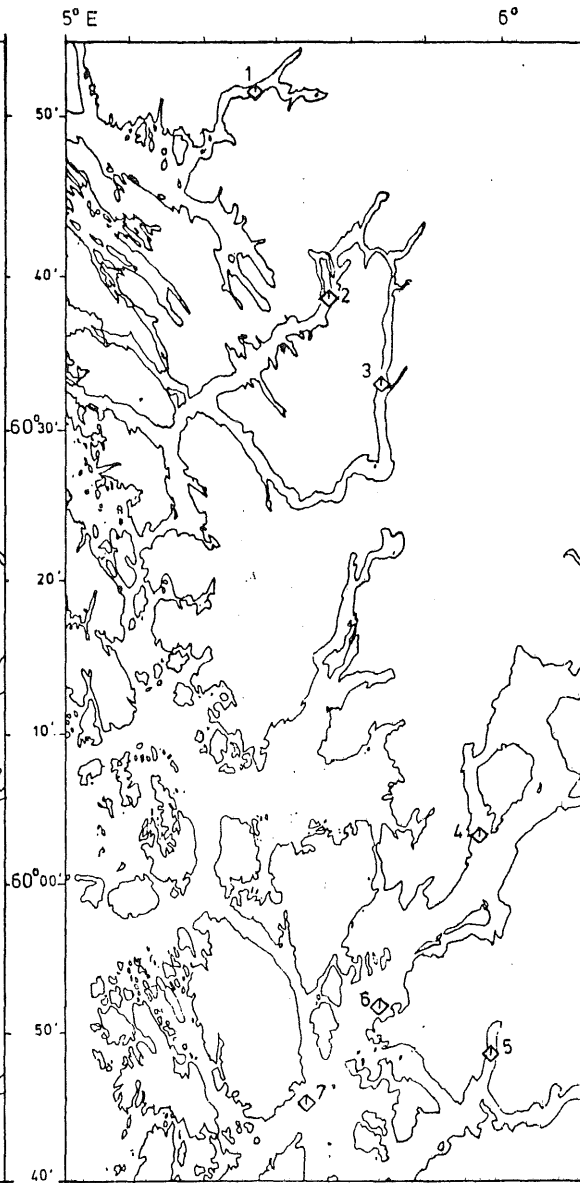
5 NOV. - 13 DEC. 1974 ST. NO. 811-1172 „G.O.SARS“



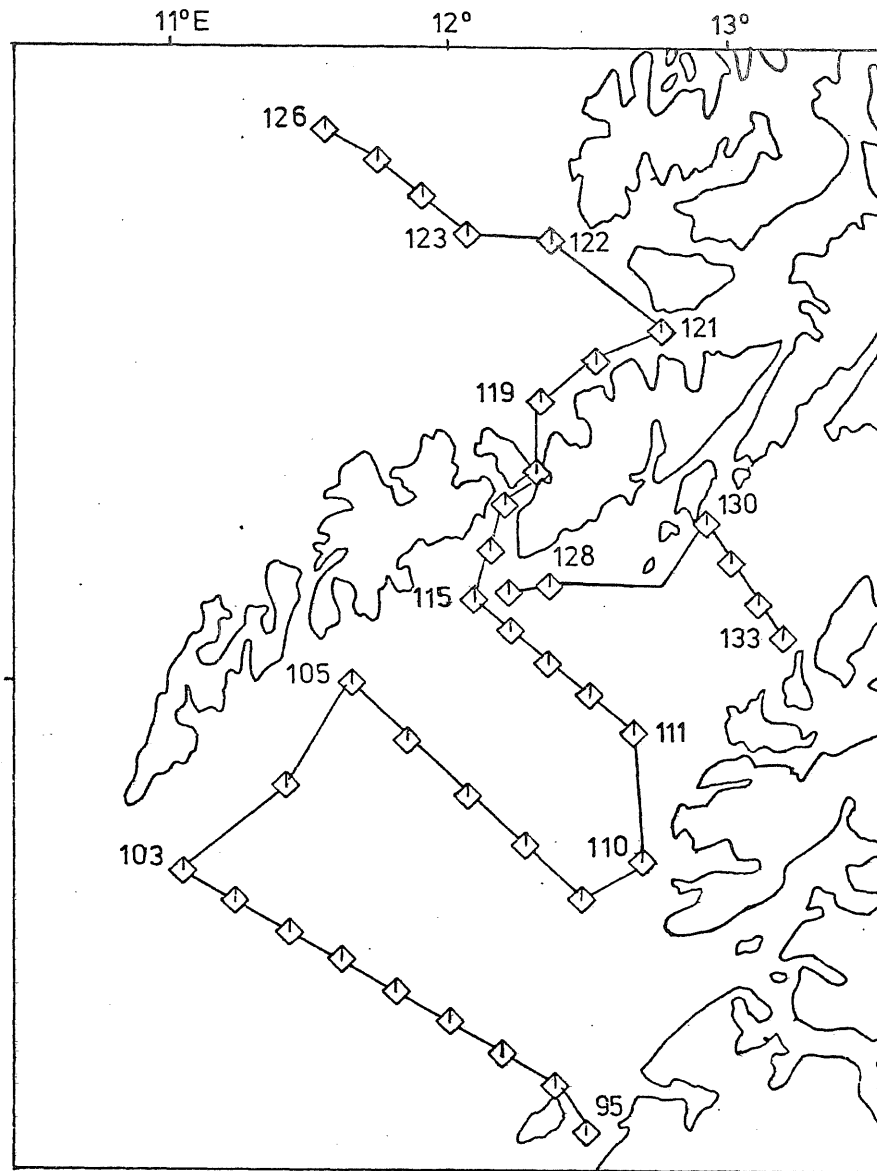
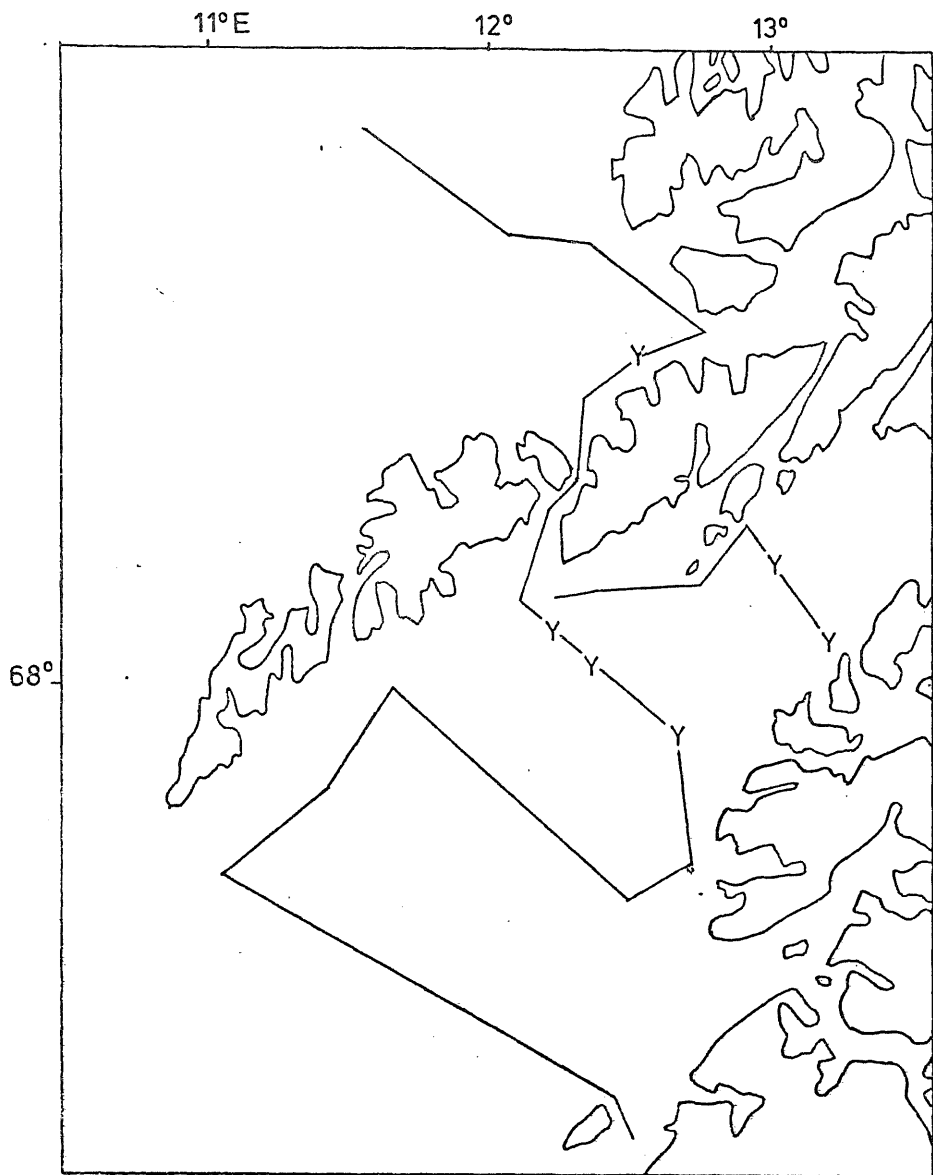
5 NOV. - 13 DEC. 1974 TRAW ST. 348-393 "G. O. SARS"



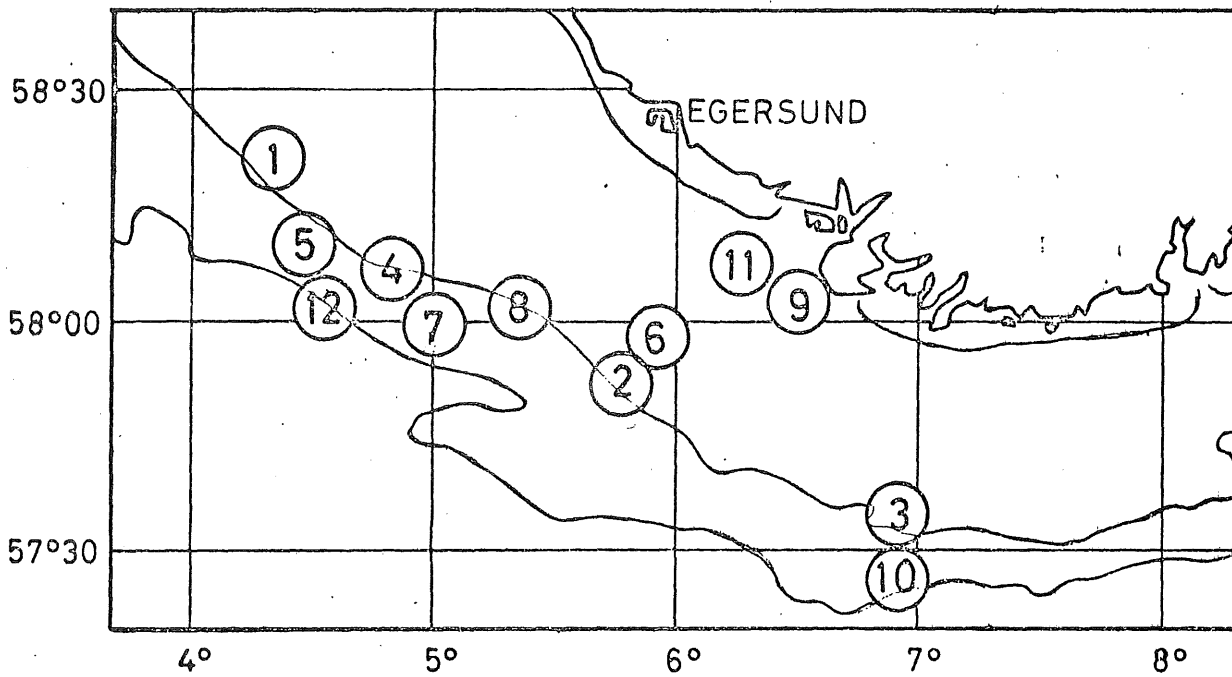
11-14 FEB. 1974 ST.NO. 1-18



PLANKTON ST. 1-7 „PEDER RÖNNESTAD”



10 -14 JUN. 1974 ST. NO. 95 -133 „PEDER RÖNNESTAD”



25 JUL.- 5 SEP. 1974

TAGGINGS ST: 1-12 "PEDER RØNNESTAD"

