

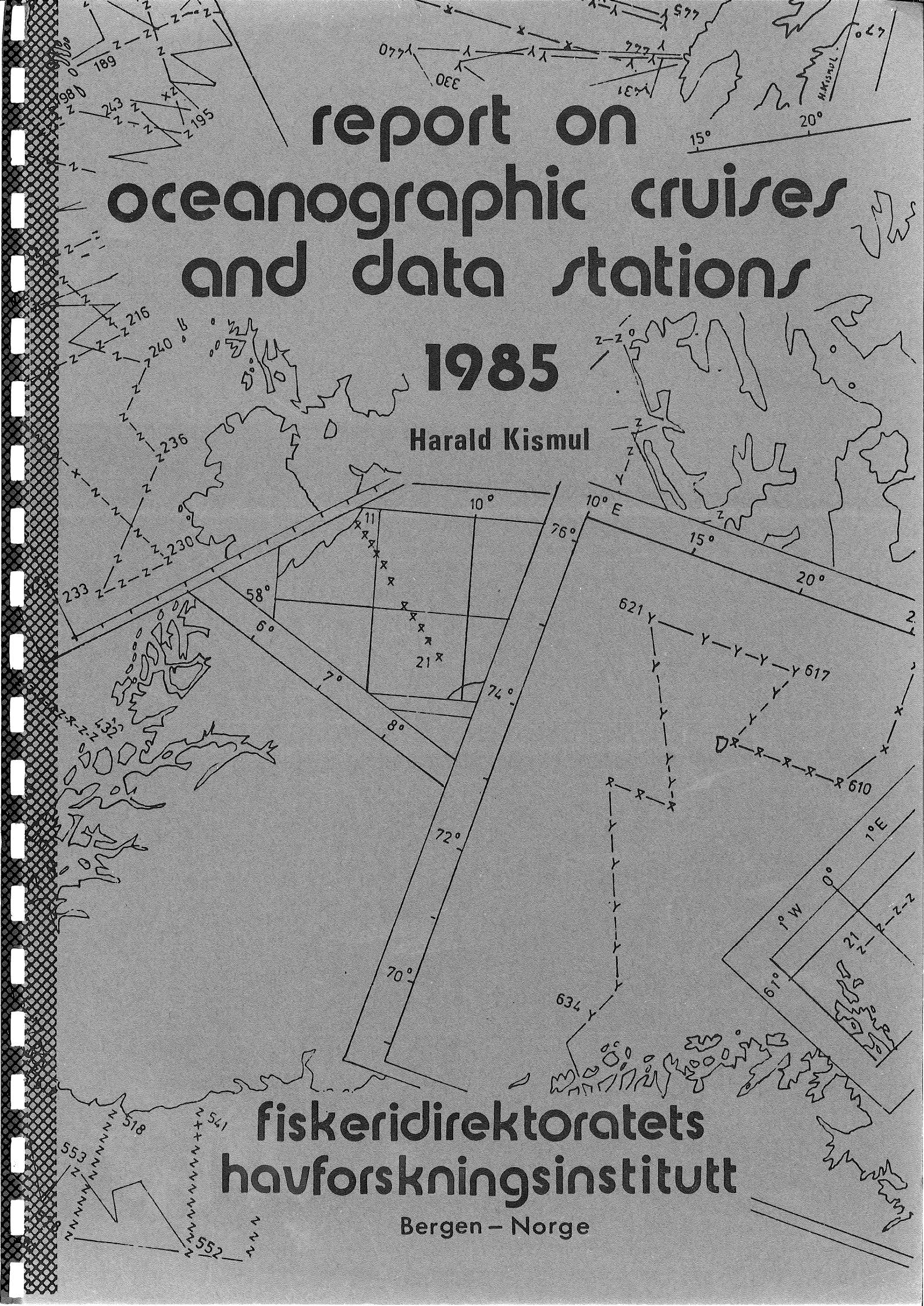
report on oceanographic cruises and data stations

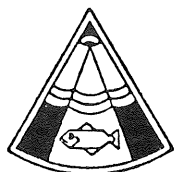
1985

Harald Kismul

fiskeridirektoratets
havforskningsinstitutt

Bergen – Norge





report on oceanographic cruises and data stations

Harald Kismul

Guidelines:

- X Classical oceanogr. stations
- Z Vertical profiles (STD/CTD)
- Y Bathythermograph (BT)
- Δ Moored buoy station
- △ Pelagic Trawl station
- Bottom Trawl station
- ◇ Plankton station
- Clarke
- Taggings
- Λ Surface observations t°C S‰
- ⊗ ZTD Rosette Multi-bottle Array

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ICES Annual Report on Oceanographic Cruises and Data Stations.

Country: NORWAY

Year: 1985

Ship: "G.O. SARS"

Cruise and ship number.	Period of cruises	Number of Stations															Continual observations						Page of track chart			
		Classical oceanogr. stations	Vertical profiles (STD/CTD)	Baththermograph (BT)	Aanderaa (RCM-4)	Oxygen	Rosette Sampler	Oil Hydrocarbons	Petroleum residues	Hand Line	Primary org. prod.	Petrolank.pigment con.	Sediment samples	Pelagic Trawl	Bottom Trawl	Pelagic eggs and larvae	Taggings	Zooplankton	Phytoplankton	Surface temperature	Transparency	Organic matter (extract.)		Part. matter (filtration)	NO ₂ + NO ₃ (auto-analyzer)	Echo sounding
1/15	18/1-25/1													54					x	x				x	x	7
2/15	25/1-3/3		143										26	94					x	x				x	x	8
3/15	9/3-19/3												1	7					x	x				x	x	9
4/15	20/3-2/4	70	20										2	1					x	x				x	x	10
5/15	3/4-14/4		289			101		7					2	9	289	289	289									11-12
6/15	15/4-28/5		163										87	6					x	x				x	x	13-14
7/15	28/5-19/6		41										36	3					x	x				x	x	15
8/15	15/7-28/7		59										26	16					x	x				x	x	16
9/15	29/7-19/8	134	134		5	x							15	2		19	19		x	x				x	x	17-18
10/15	19/8-4/9		82										79	1					x	x				x	x	19
11/15	6/9-11/10		115										94	2					x	x				x	x	20
12/15	13/10-19/10		17										24						x	x				x	x	21
13/15	21/10-7/11		109										3	23					x	x				x	x	22-23
14/15	8/11-29/11		59										46						x	x				x	x	24-25

ICES Annual Report on Oceanographic Cruises and Data Stations.

Country: NORWAY		Year: 1985	Ship: "MICHAEL SARS"														Page of track chart										
Cruise and ship number.	Period of cruises	Number of Stations																									
		Classical oceanogr. stations	Vertical profiles (STD/CTD)	Bathythermograph (BT)	Moored Buoy	Oxygen	Nutrients	Oil Hydrocarbons	Petroleum residues	Metals	Primary org. prod.	Petropilank. pigment con.	Shrimps Trawl	Pelagic Trawl	Bottom Trawl	Pelagic eggs and larvae	Taggings	Zooplankton	Phytoplankton	Surface temperature	Transparency	Organic matter (extract.)	Part. matter (filtration)	NO ₂ + NO ₃ (auto-analyzer)	Echo sounding	Echo integration	
1/11	7/1-28/1	9												20	6												26
2/11	31/1-1/3	37												4	29												27
3/11	4/3-21/3	99												13	23												28
4/11	23/3-23/3	8																16	16							29	
5/11	25/3-6/4	50	201												1			305	305							30-31	
6/11	9/4-28/4	45													10	18											32-33
7/11	1/5-21/5	99												1	101												34
8/11	24/5-16/6	269												7													35-36
9/11	19/7-12/8	140												7	129				302	302							37-38
10/11	15/8-5/9	97													66												39-40
11/11	7/9-6/10	140													53	11											41
12/11	12/10-28/10	90													3	105											42
13/11	10/11-25/11															35											43
14/11	1/12-13/12	71														31											44-45

ICES Annual Report on Oceanographic Cruises and Data Stations.

Country: NORWAY

Year: 1985

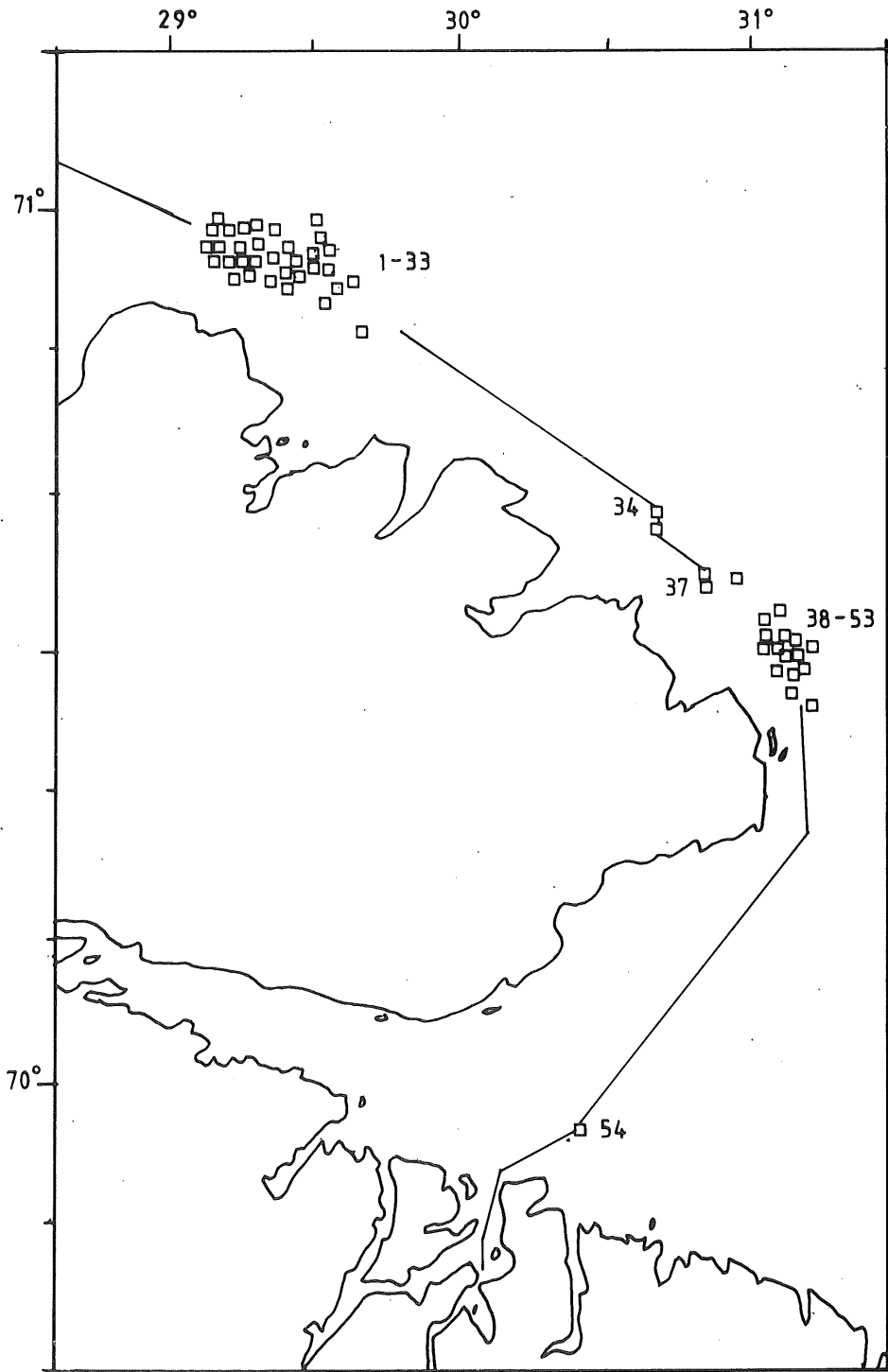
Ship: "ELDJARN"

Cruise and ship number.	Period of cruises	Number of Stations															Continual observations						Page of track chart				
		Classical oceanogr. stations	Vertical profiles (STD/CTD)	Bathymograph (BT)	Moored Buoy	Oxygen	Isaac Kid	Oil Hydrocarbons	Petroleum residues	Mocness Trawl	Primary org. prod.	Petroplank. pigment con.	Sediment samples	Pelagic Trawl	Bottom Trawl	Pelagic eggs and larvae	Taggings	Zooplankton	Phytoplankton	Surface temperature	Transparency	Organic matter (extract.)		Part. matter (filtration)	NO ₂ + NO ₃ (auto-analyzer)	Echo sounding	Echo integration
1/14	6/1 - 24/1	63	125						9				12	3			63	63	x	x					x	x	46
2/14	28/1 - 18/2		67											49	82				x	x					x	x	47
3/14	21/2 - 19/3		234										29						x	x					x	x	48-52
4/14	21/3-30/3		274											2	4		274	274	x	x					x	x	53-54
5/14	9/4-19/4		129														129	129	x	x					x	x	55-56
6/14	22/4-8/5	78	458					26									458	458	x	x					x	x	57-60
7/14	11/5-31/5		146			5		2					148						x	x					x	x	61-62
8/14	24/6-12/7		129										129						x	x					x	x	63
9/14	16/7-28/7		86										17	19					x	x					x	x	64
10/14	29/7-18/8		94										85						x	x					x	x	65
11/14	19/8-4/9		84										80						x	x					x	x	66
12/14	8/9-5/10		141										2	107					x	x					x	x	67-68
13/14	12/10-13/10		15																x	x					x	x	69
14/14	26/10-30/11		279										55	15					x	x					x	x	70-71

ICES Annual Report on Oceanographic Cruises and Data Stations.

Country: NORWAY Year: 1985 Ship: "JOHAN RUUD" "HÅKON MOSBY" "G.M. DANNEVIG" "MASI"

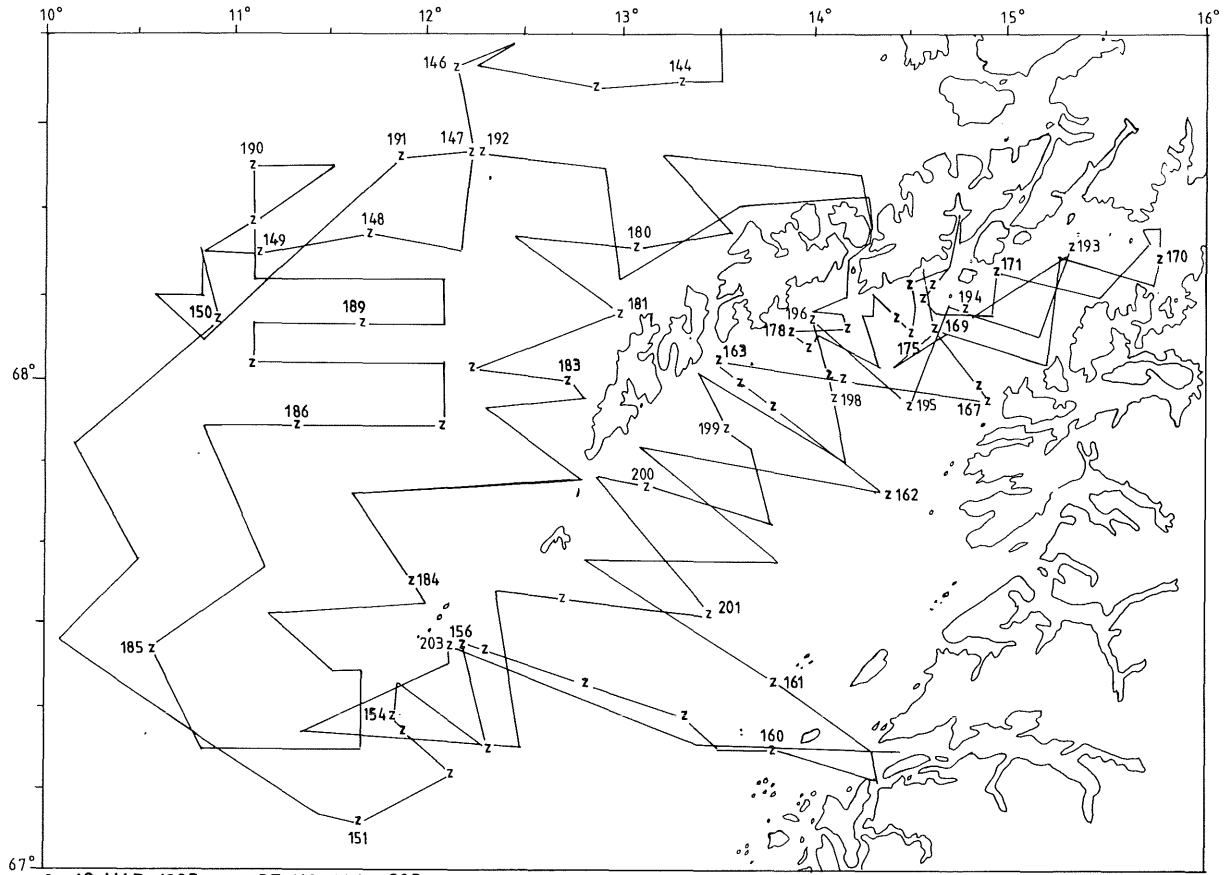
Cruise and ship number.	Period of cruises	Number of Stations														Continual observations					Page of track chart							
		Classical oceanogr. stations	Vertical profiles (STD/CTD)	Bathythermograph (BT)	Moored Buoy	Oxygen	Nutrients	Oil Hydrocarbons	Petroleum residues	Metals	Primary org. prod.	Petrop plank. pigment con.	Shrimps trawl	Pelagic Trawl	Bottom Trawl	Pelagic eggs and larvae	Taggings	Zooplankton	Phytoplankton	Surface temperature		Transparency	Organic matter (extract.)	Part. matter (filtration)	NO ₂ + NO ₃ (auto-analyzer)	Echo sounding	Echo integration	
/18	9/4-19/4	398																									72-74	
/18	6/11-4/12	185												3	50													75-76
	7/2-28/2	50														30											77	
	26/3-3/4	27														9											78-79	
	9/4-30/4	91														17											80	
	19/8-4/9	74																									81	
/16	7/1-10/12	110																									82	
/16	9/5-12/12	16																									83	
/16	18/9-4/10	34																									84	
MASI	26/8-26/9																										85	



18-25 JAN. 1985

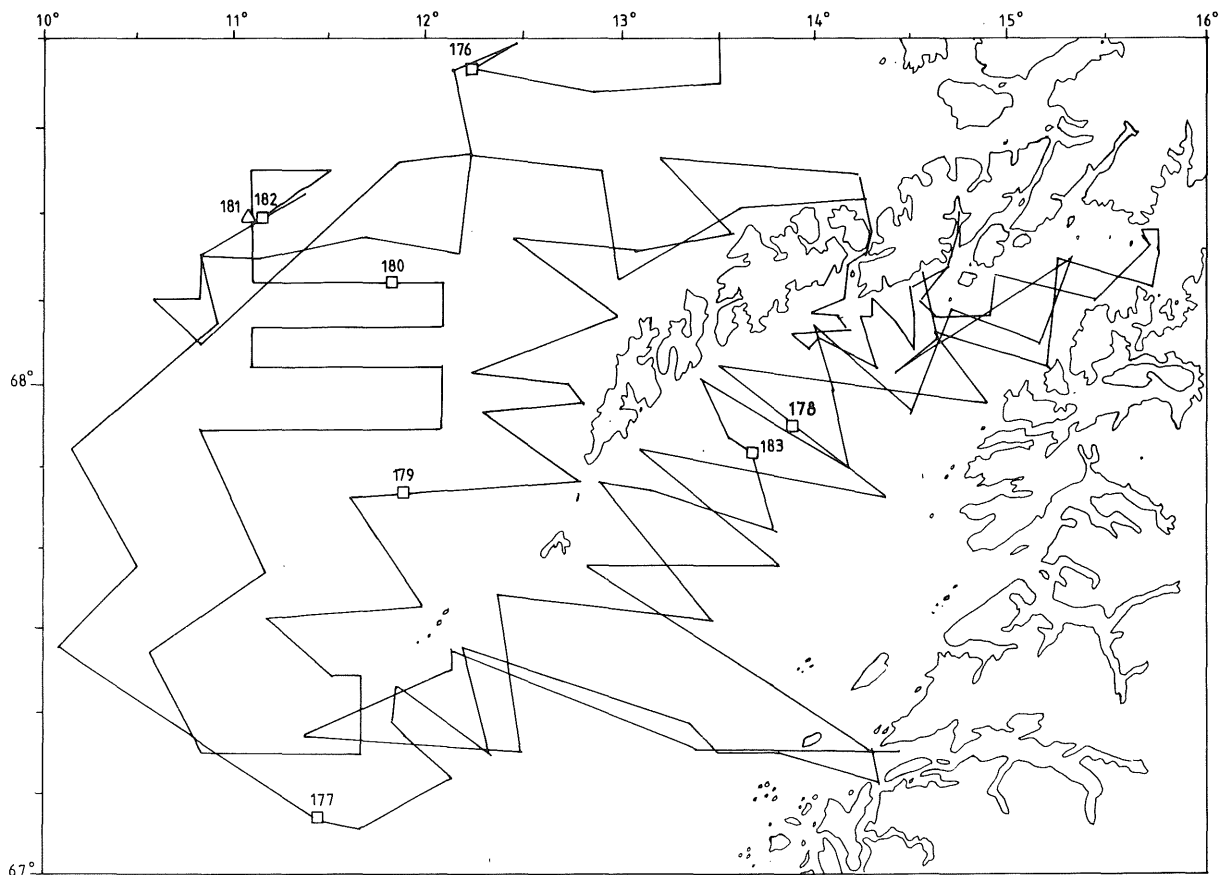
TRAWL ST. NO. 1-54

"G.O.SARS"



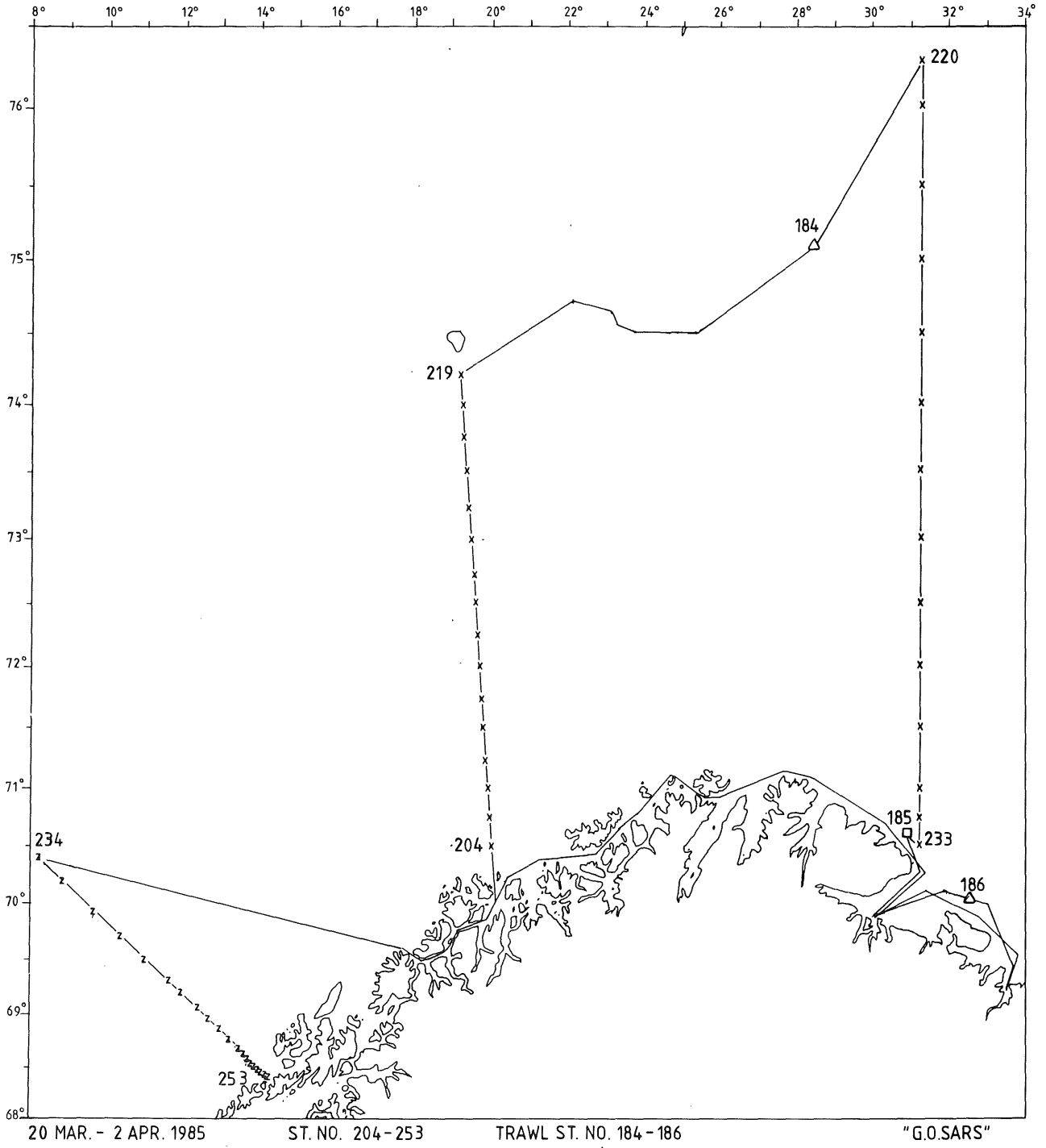
9 - 19 MAR. 1985 ST. NO. 144 - 203

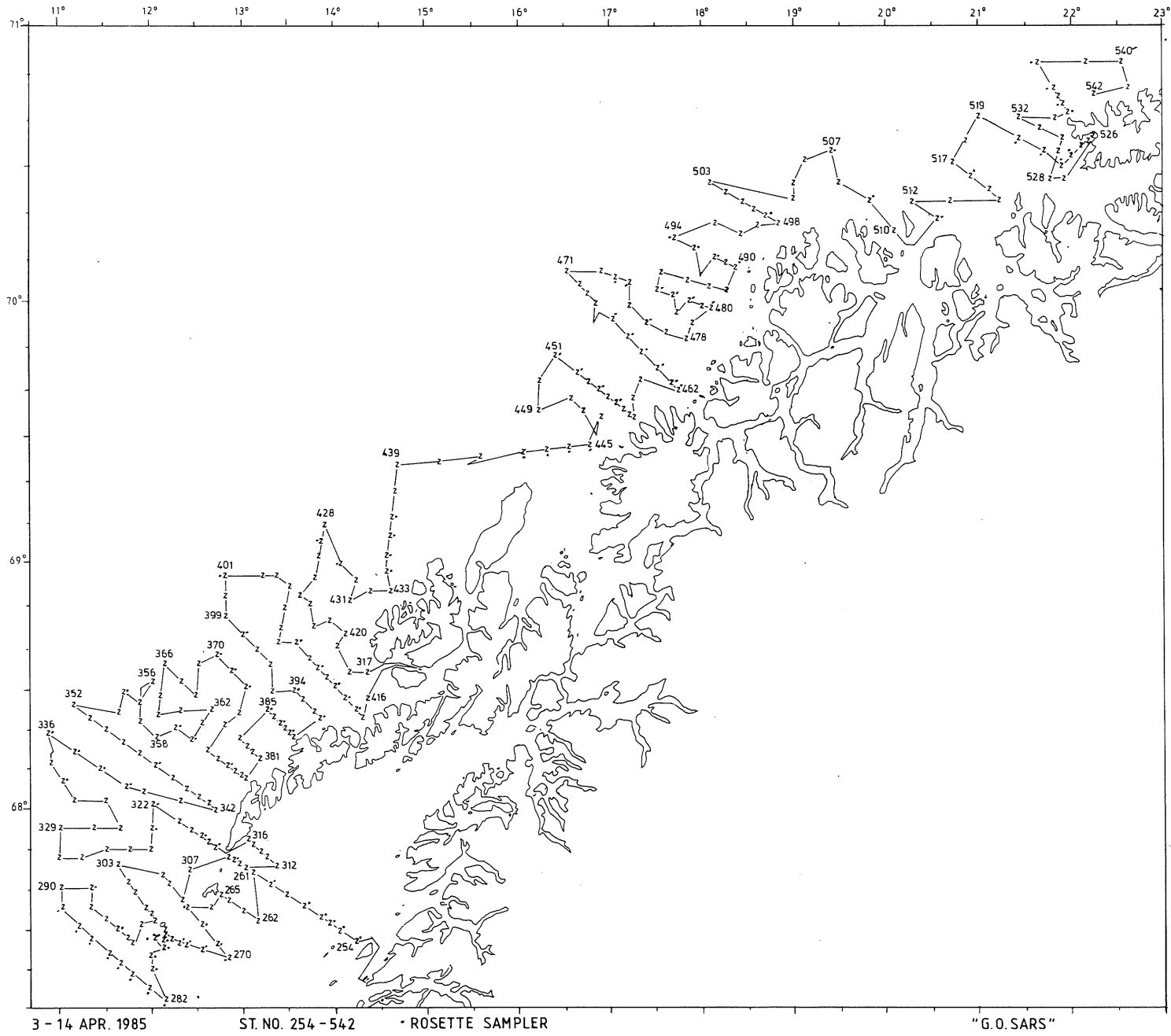
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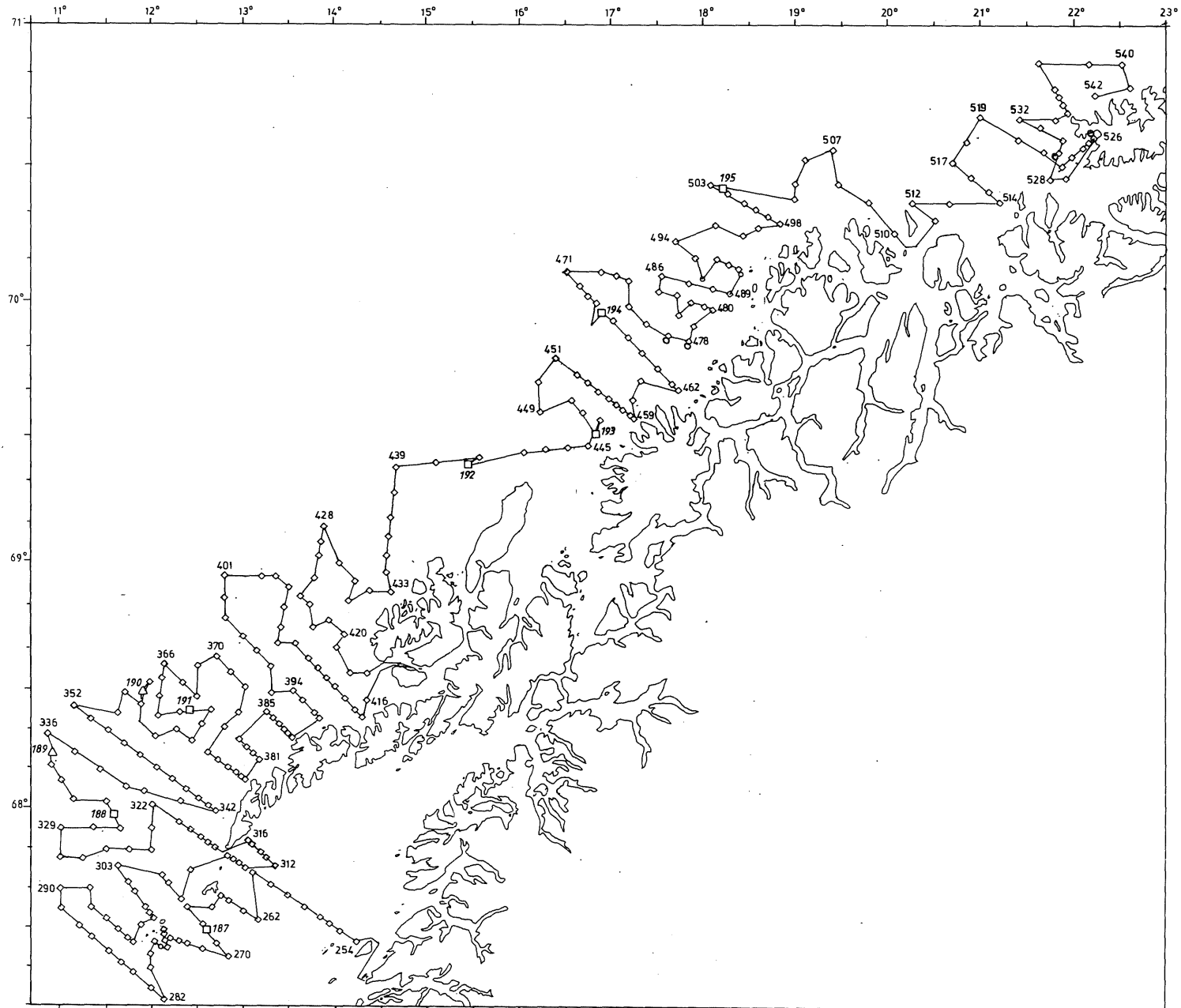


9 - 19 MAR. 1985 TRAWL ST. NO. 176 - 183

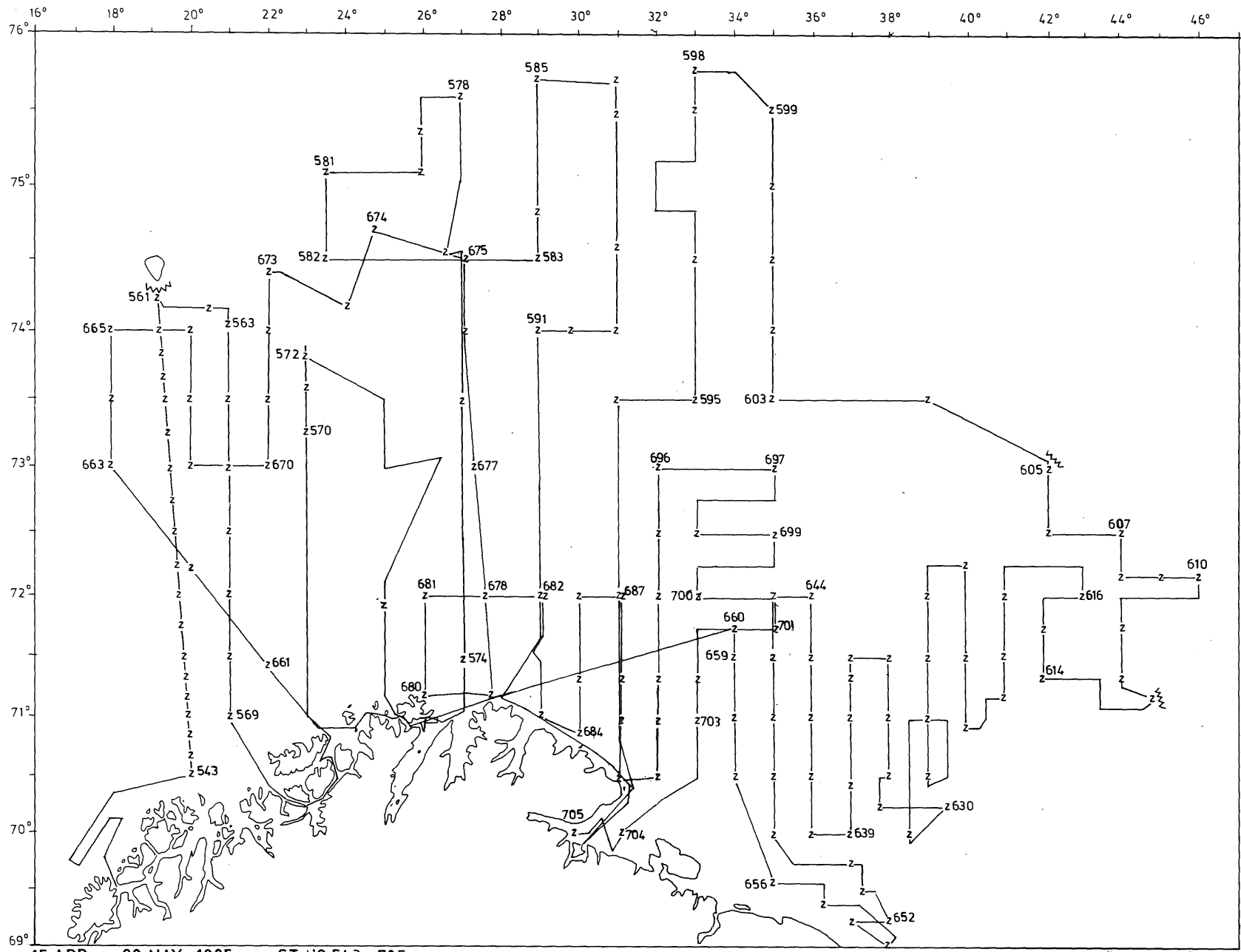
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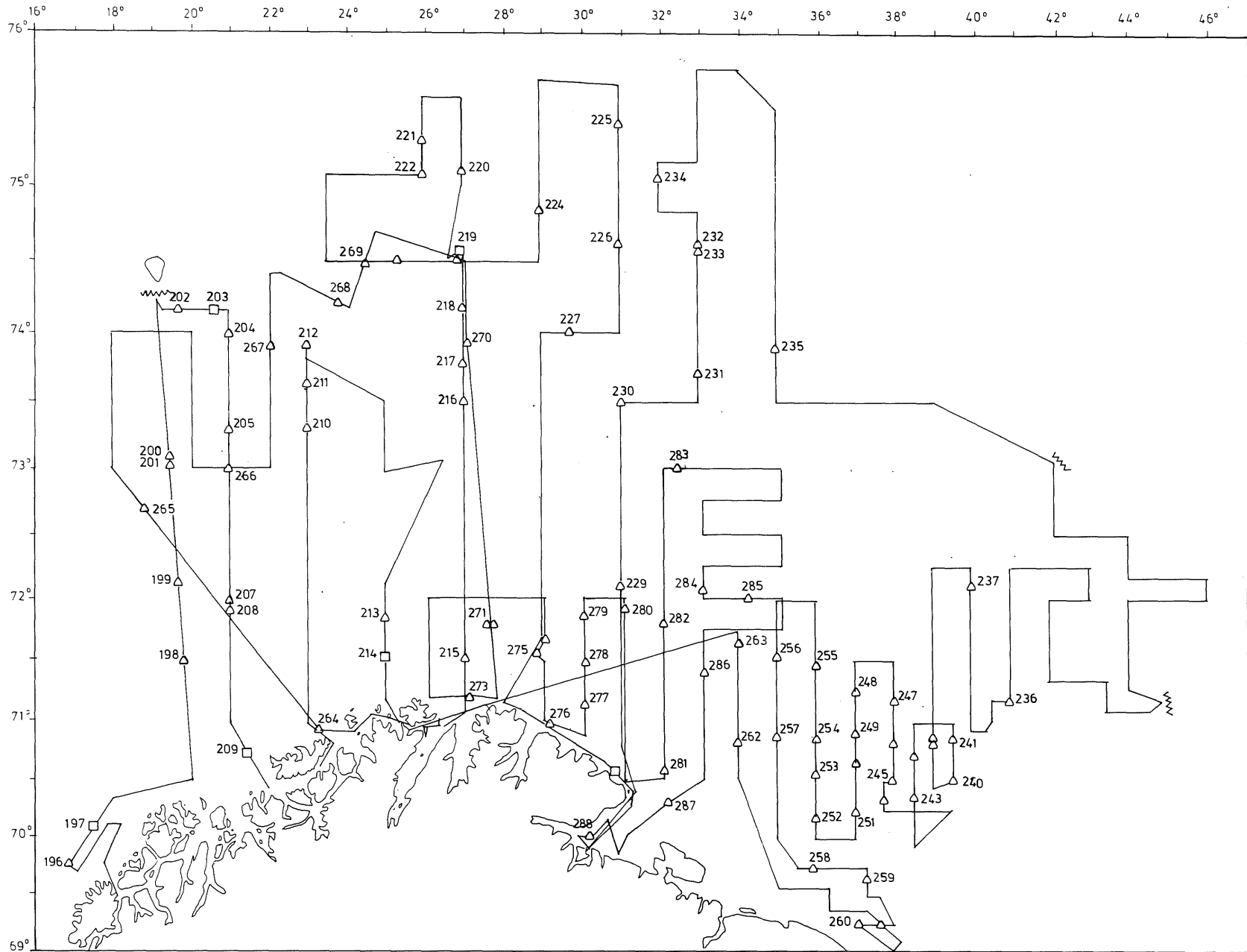
3-14 APR. 1985 PLANKTON ST. NO. 254-542 TRAWL ST. NO. 187-195 ○ HANDLINE ST. "G.O. SARS"



15 APR. - 28 MAY 1985

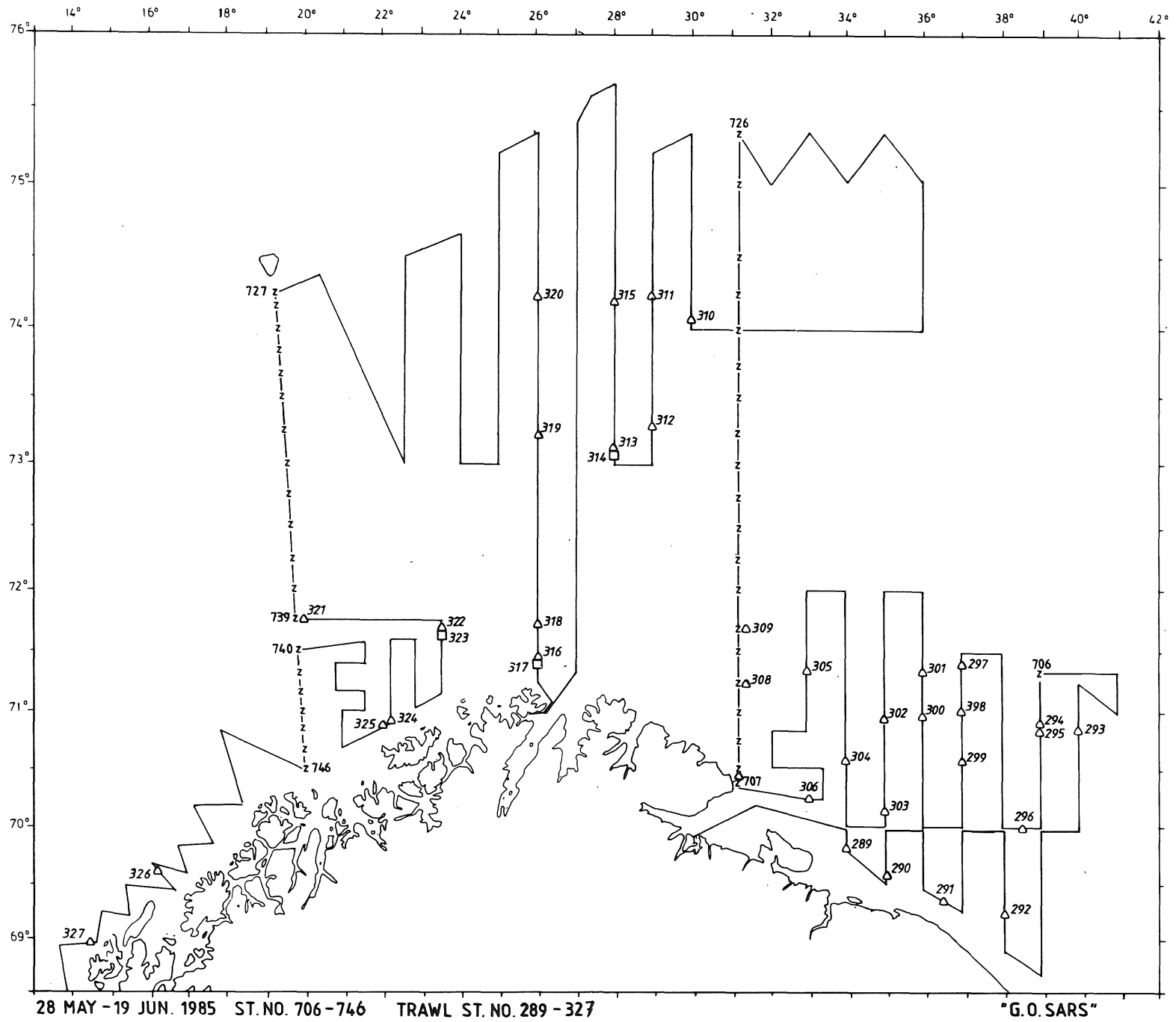
ST. NO. 543 - 705

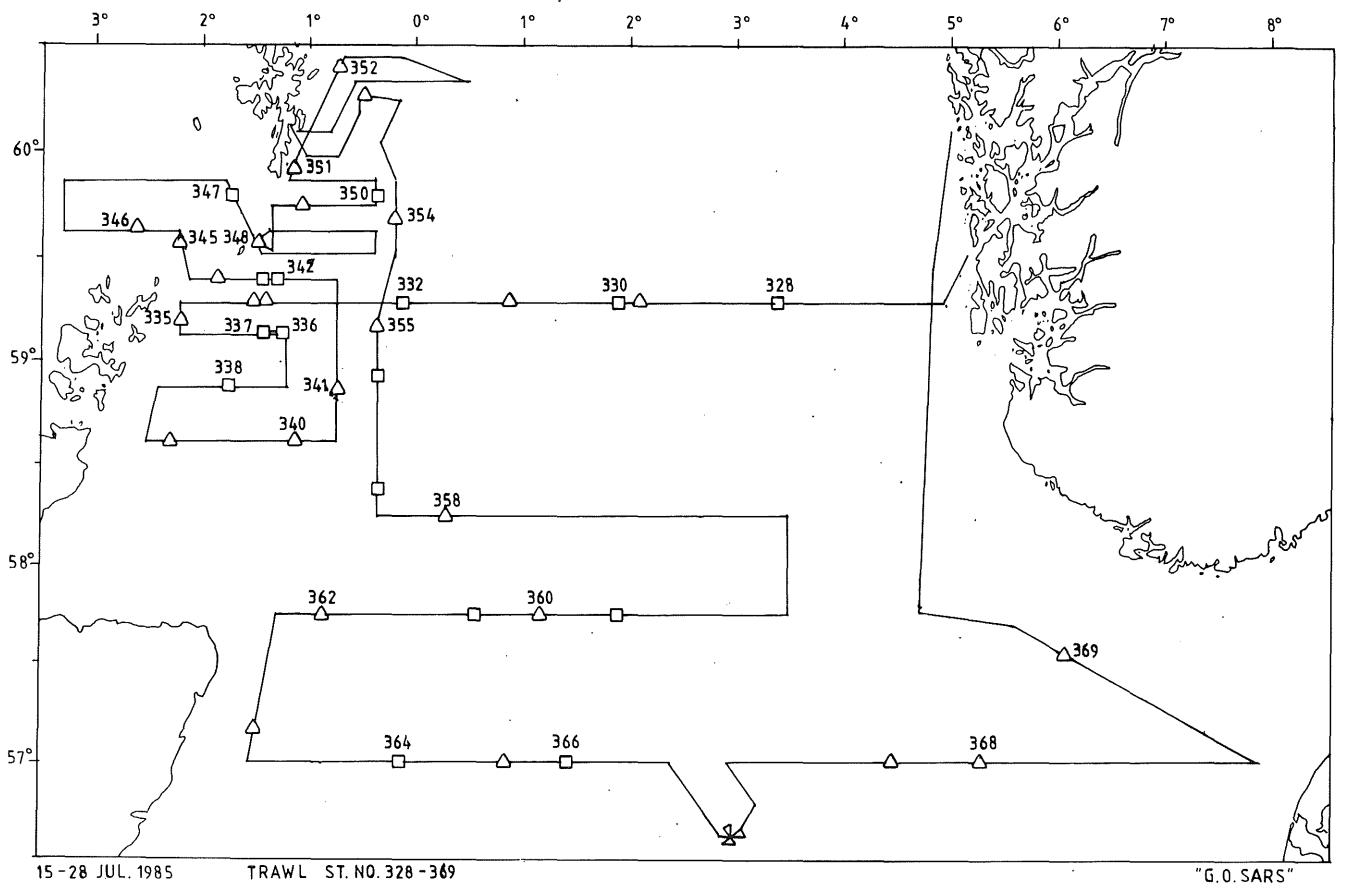
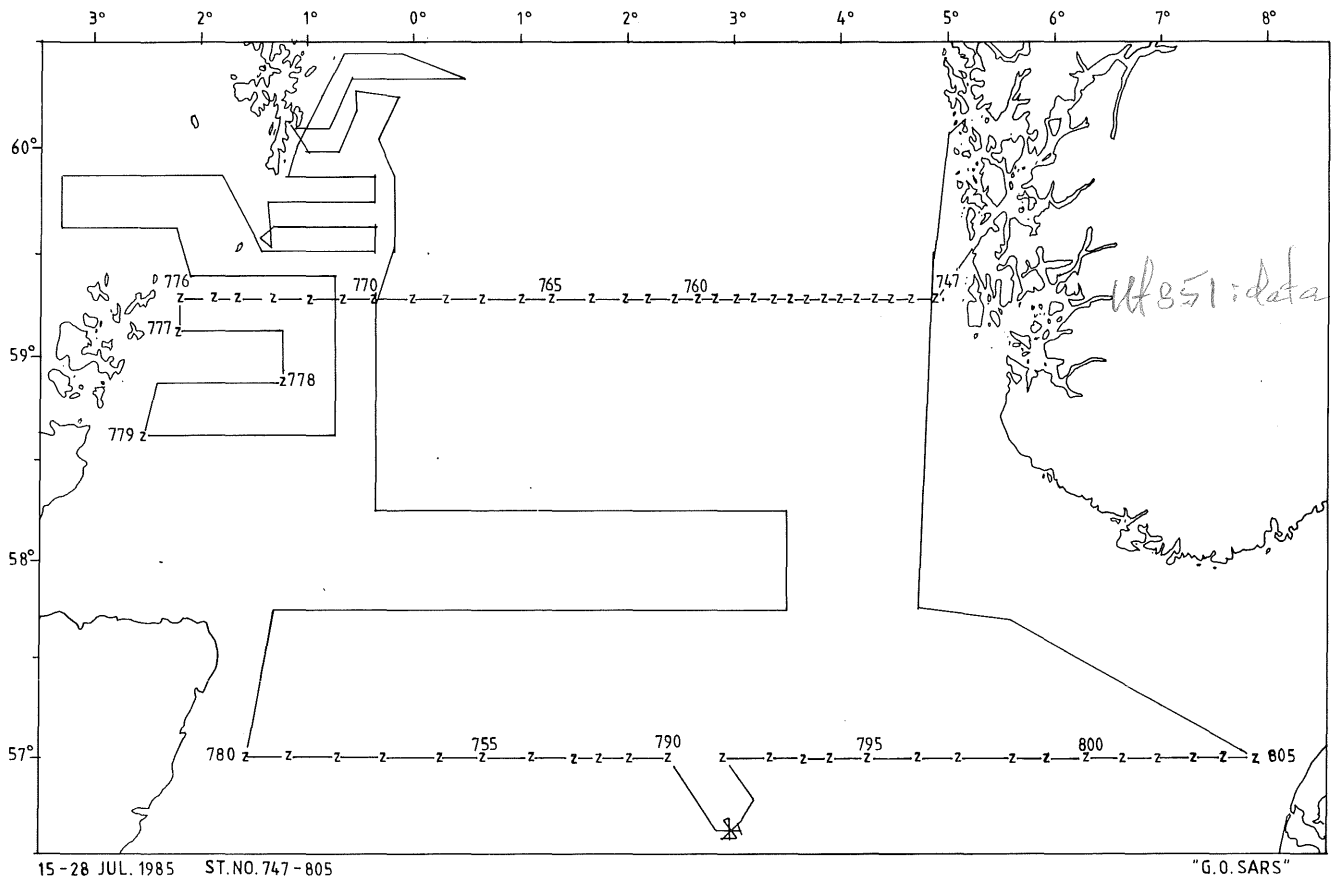
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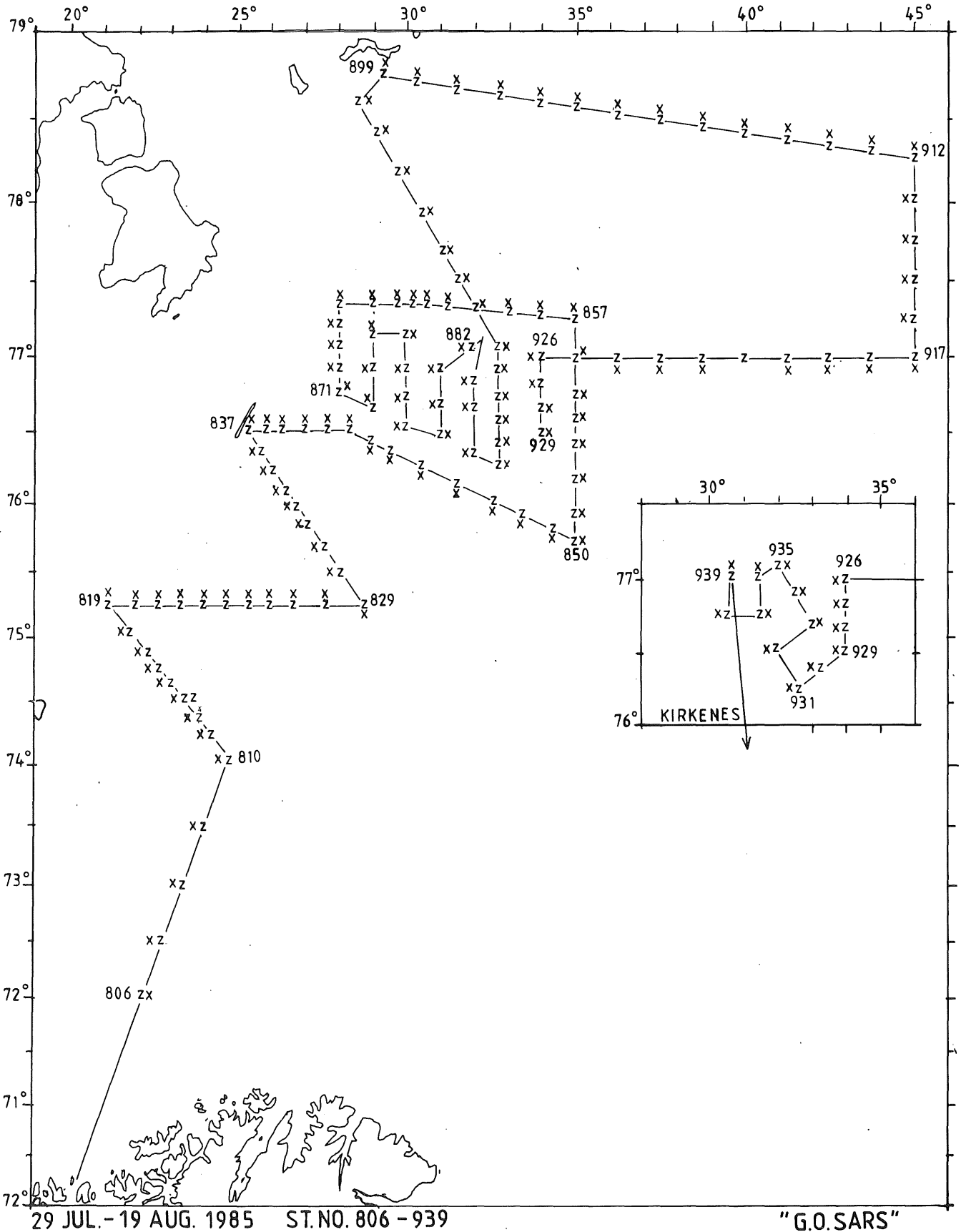


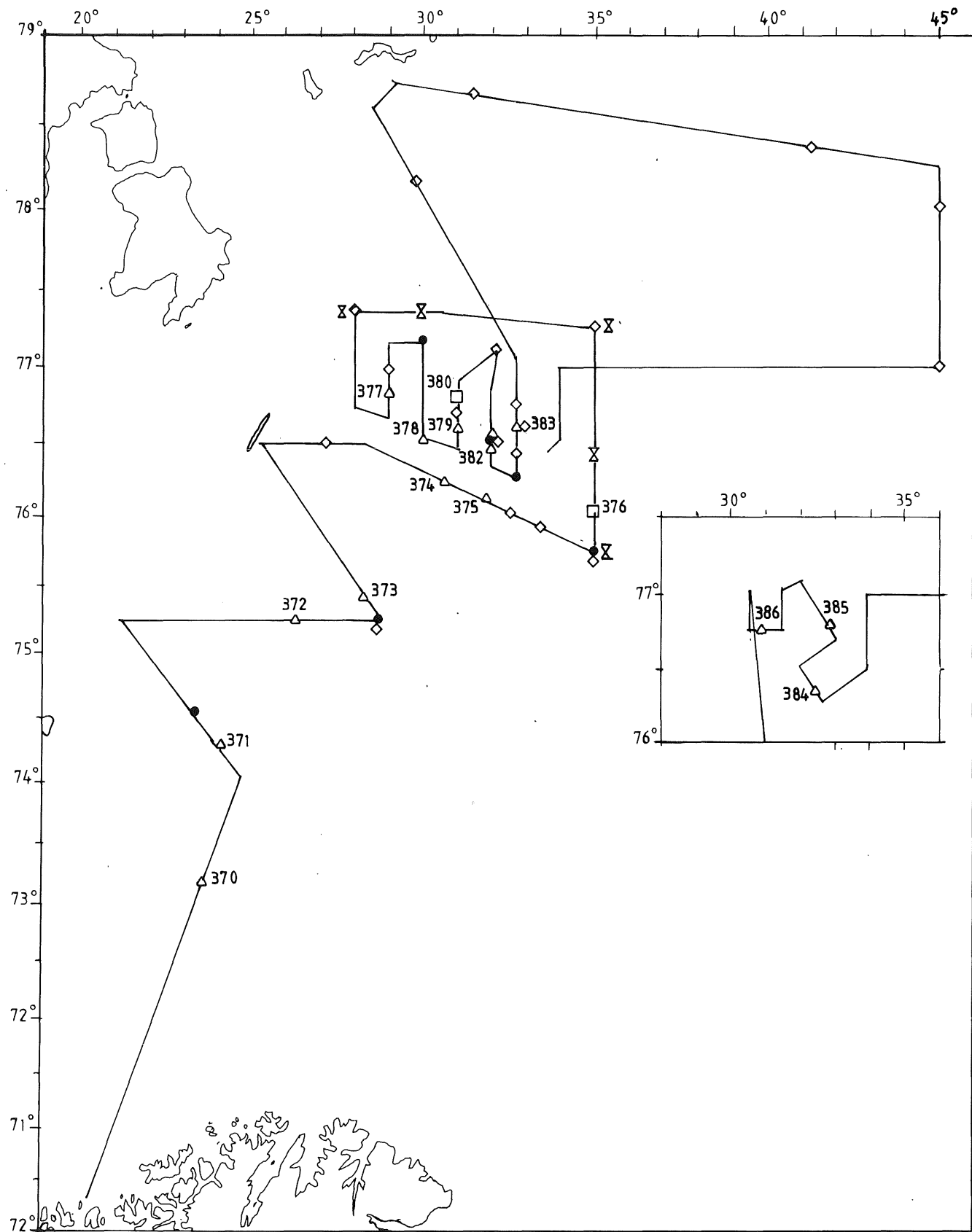
15 APR. - 28 MAY 1985 TRAWL ST. NO. 196 - 288

"G.O. SARS"

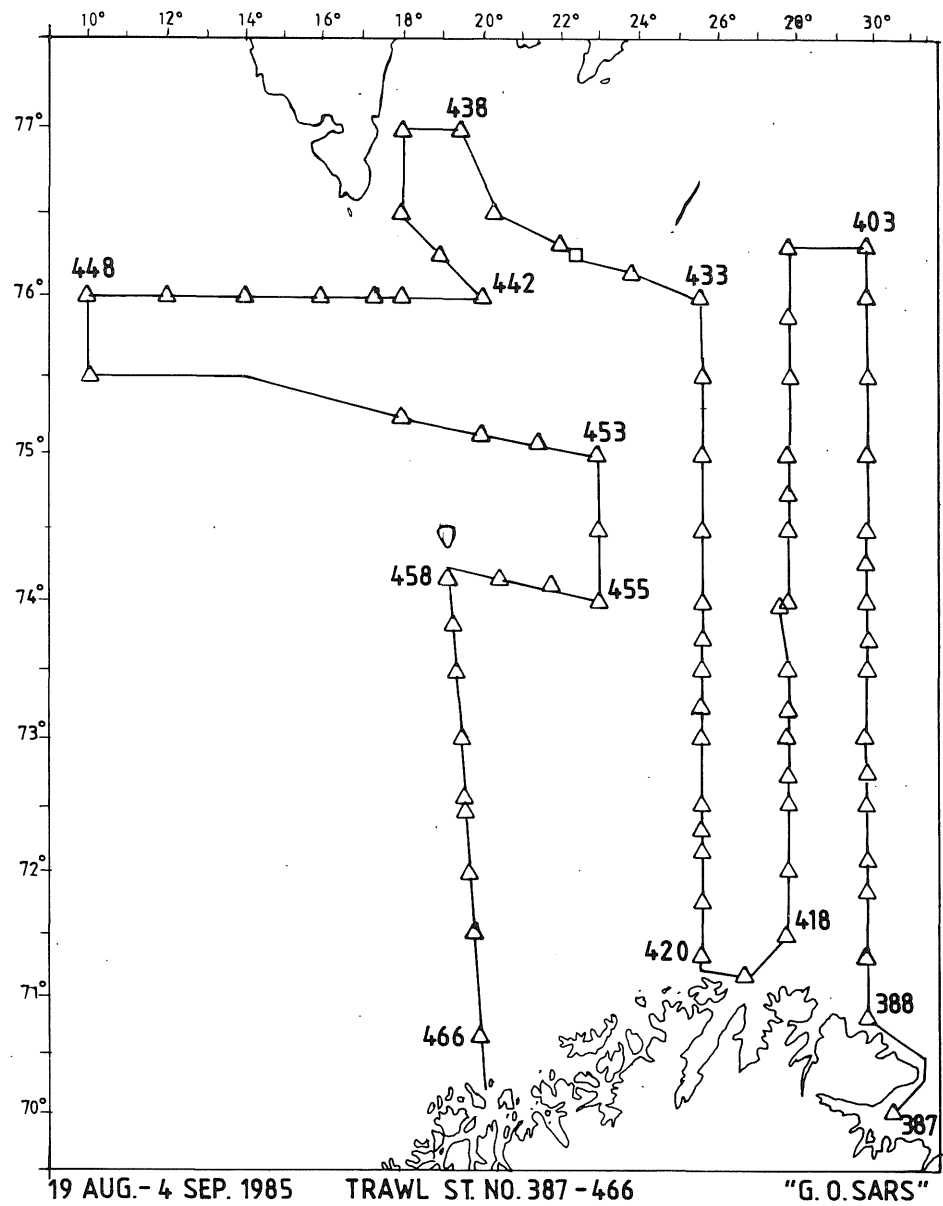
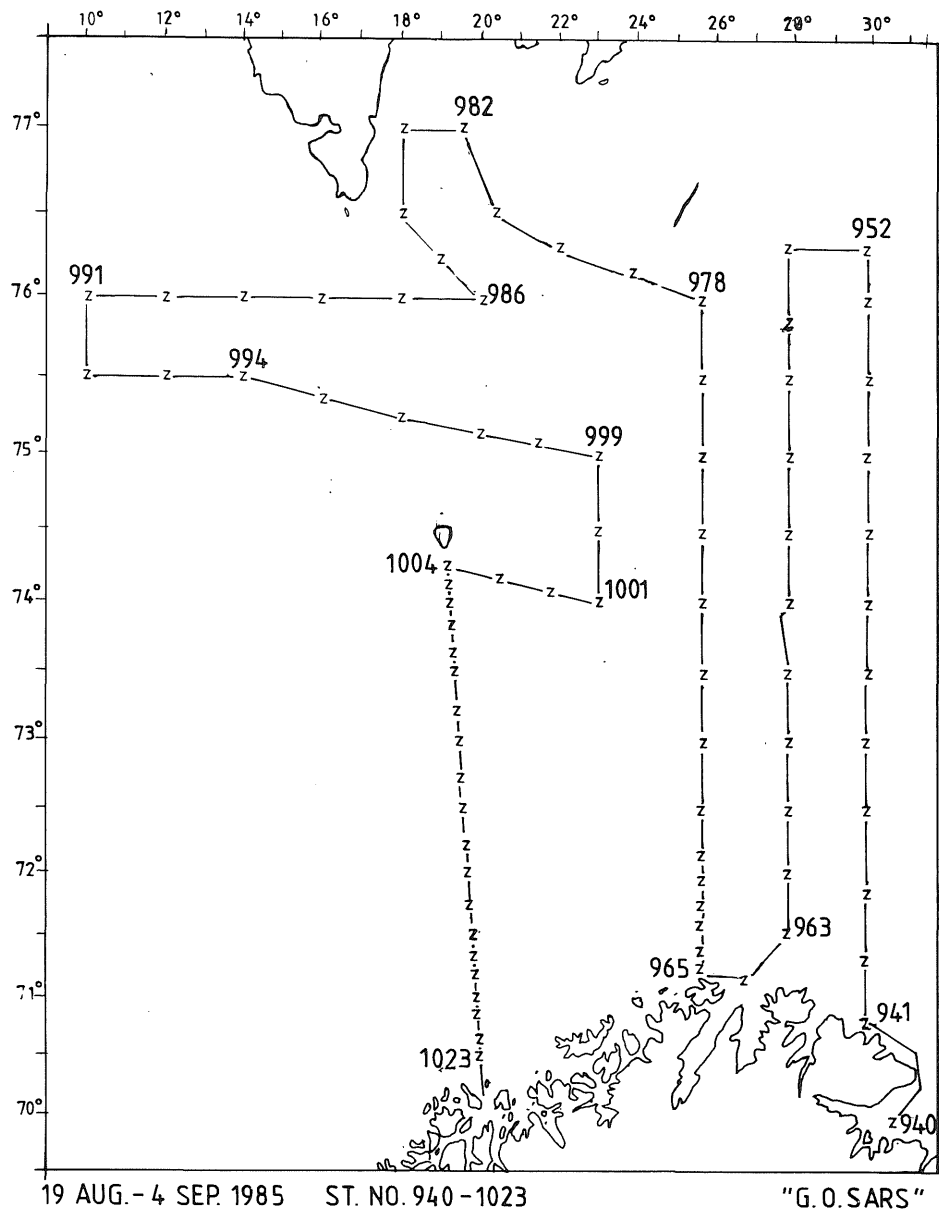


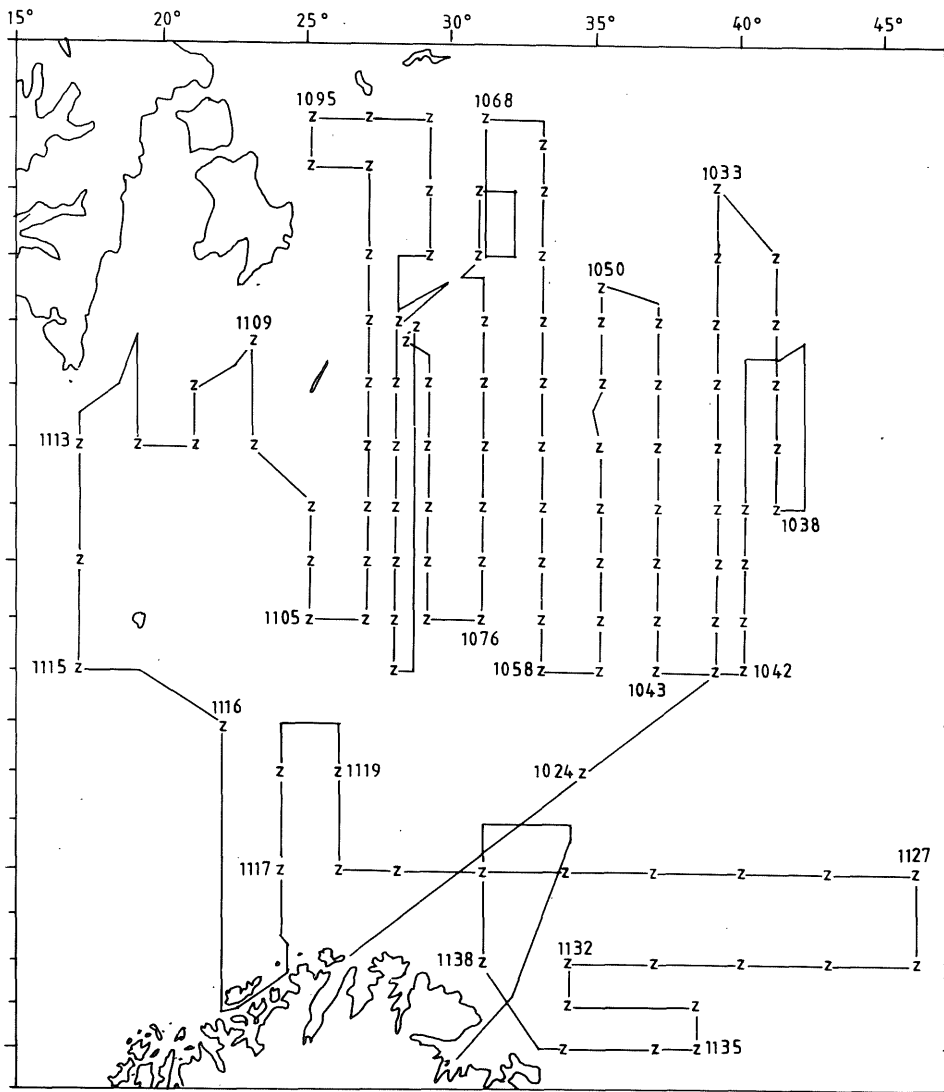




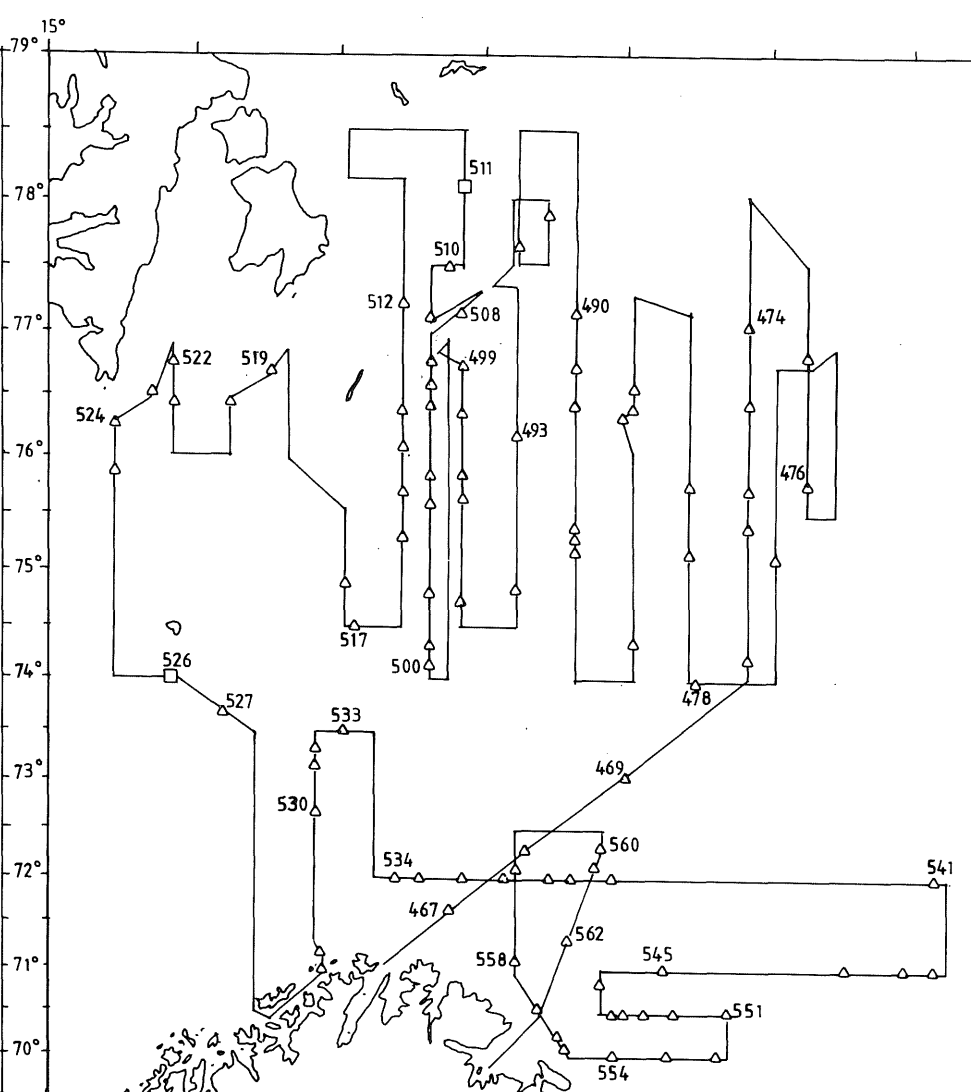


29 JUL.-19 AUG. 1985 TR. ST. NO. 370-386 ◊ 19 PL. ST. ✕ Aanderaa RCM-4 • SEDEMENTFELLE
 "G.O. SARS"



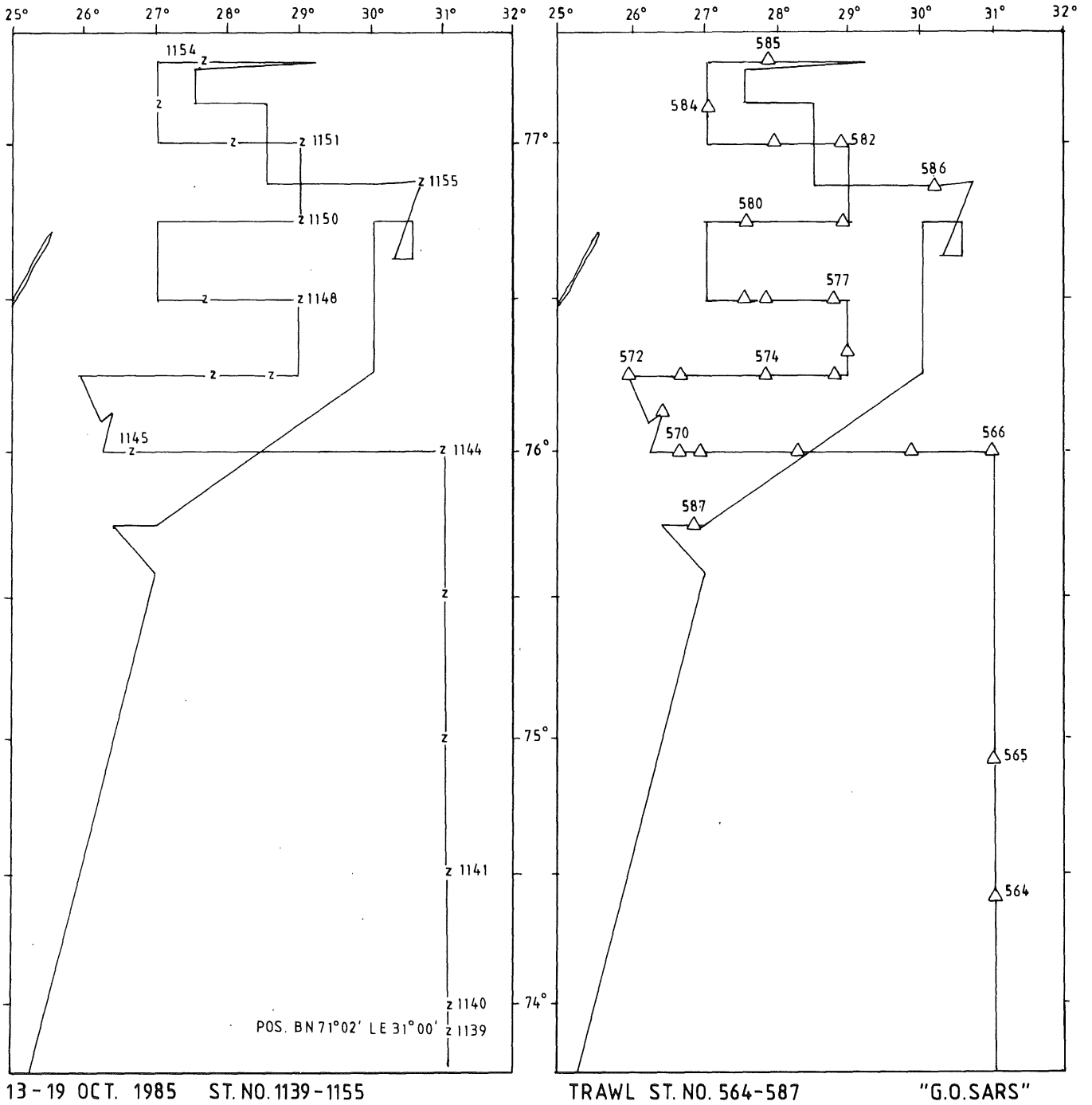


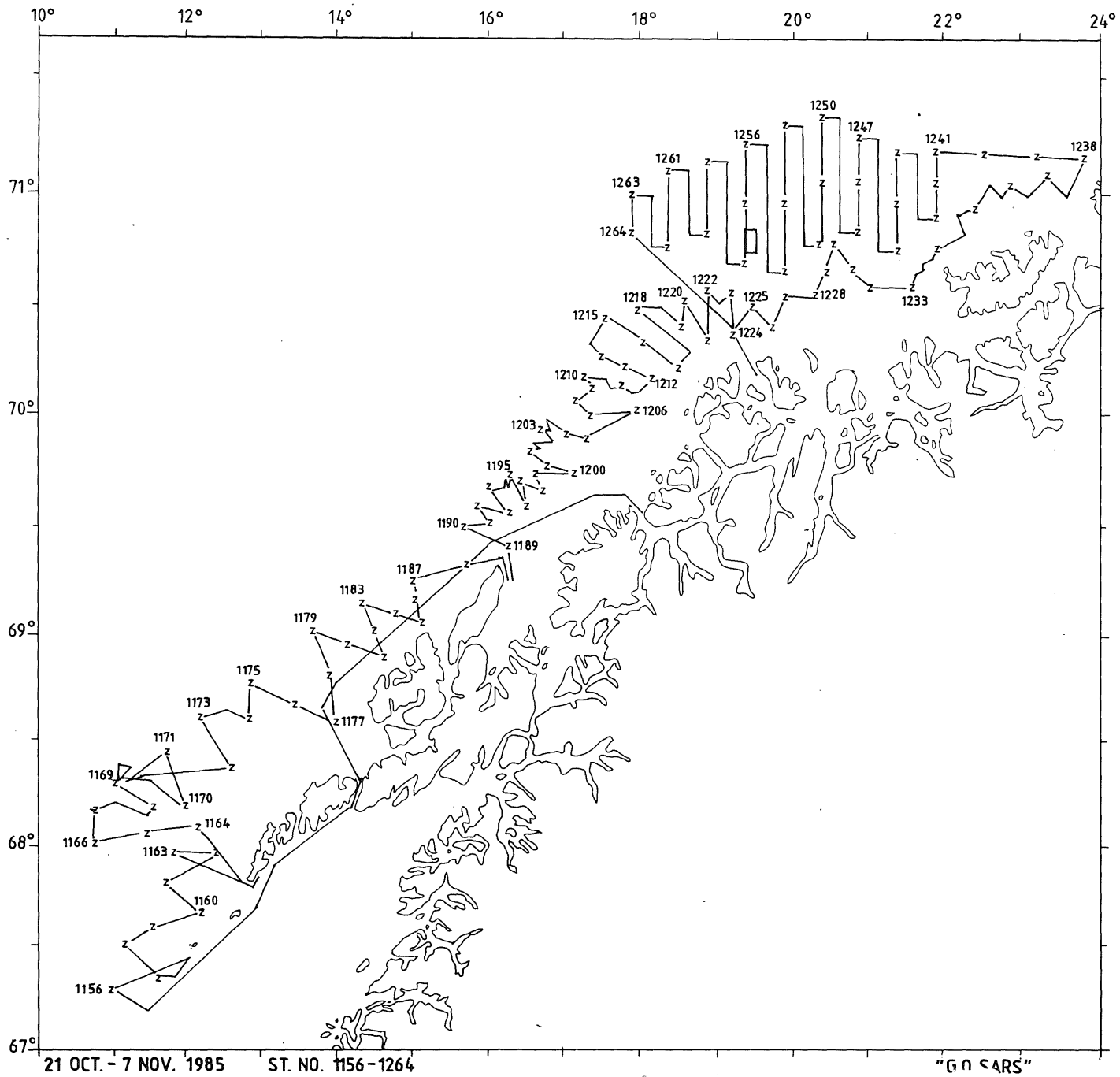
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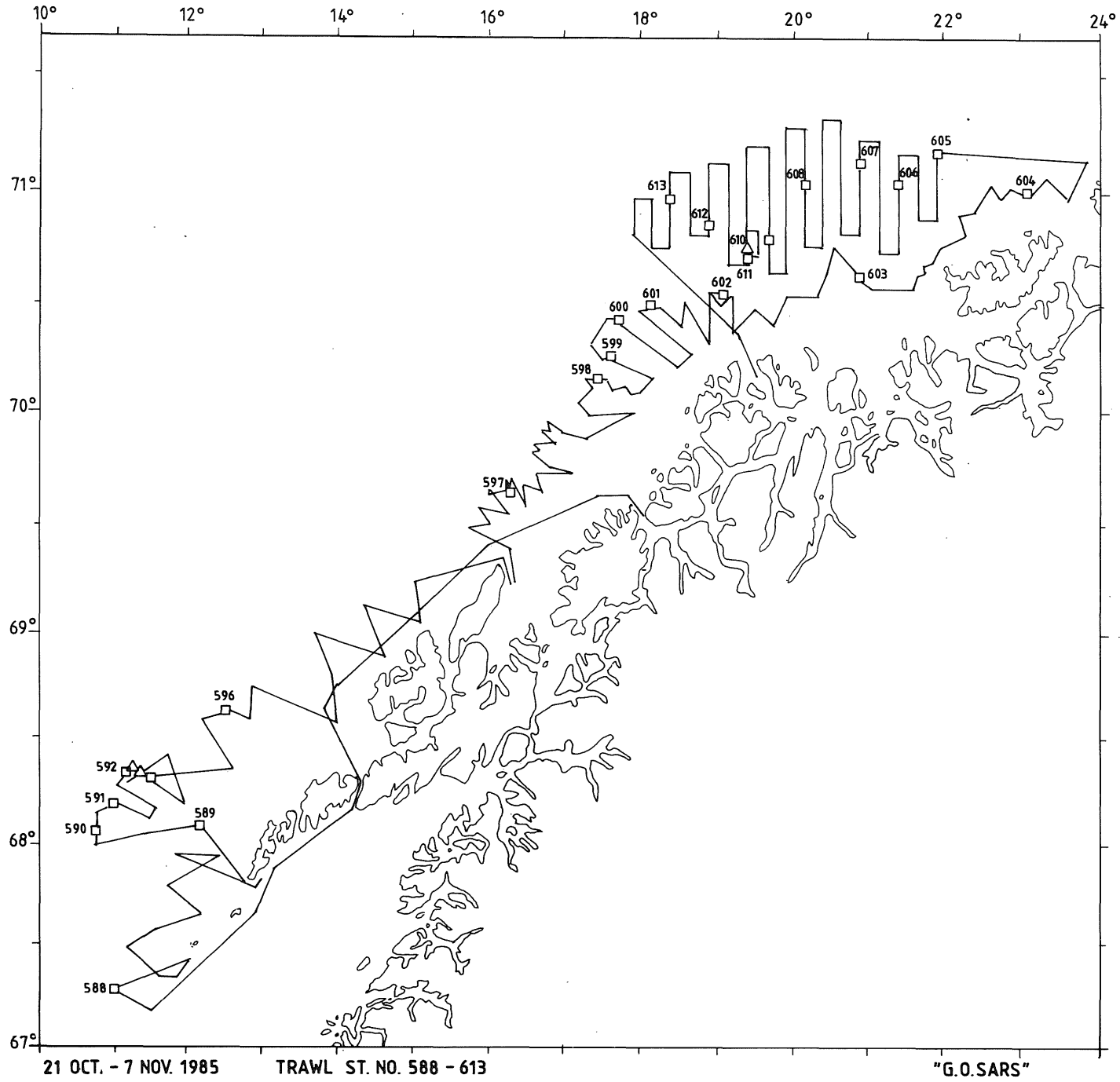


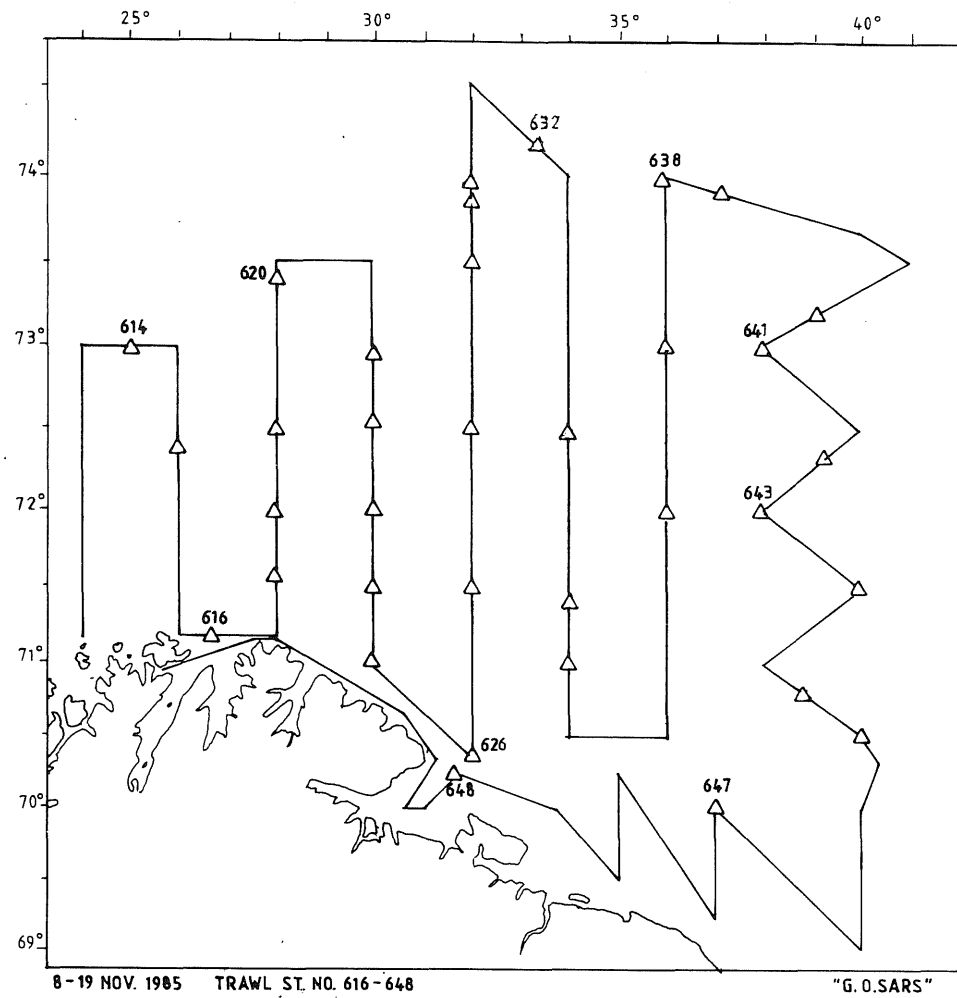
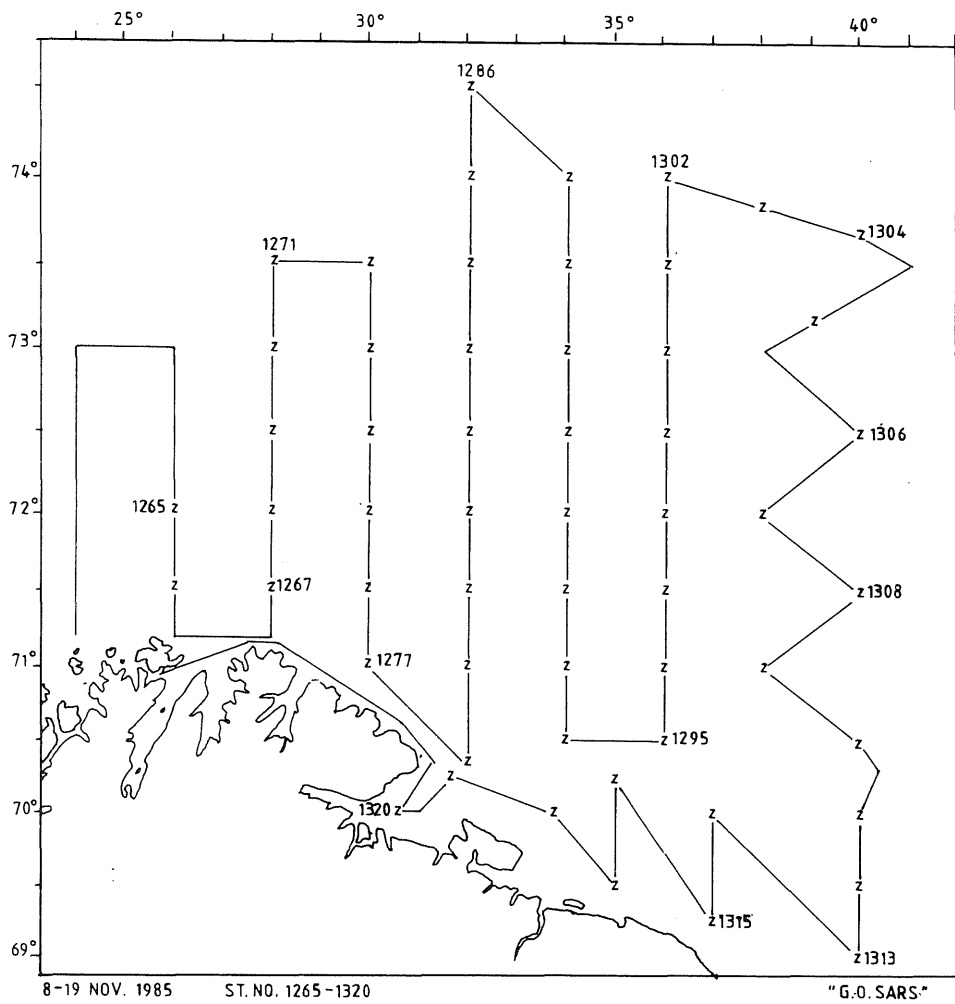
TRAWL ST. NO. 467 - 562

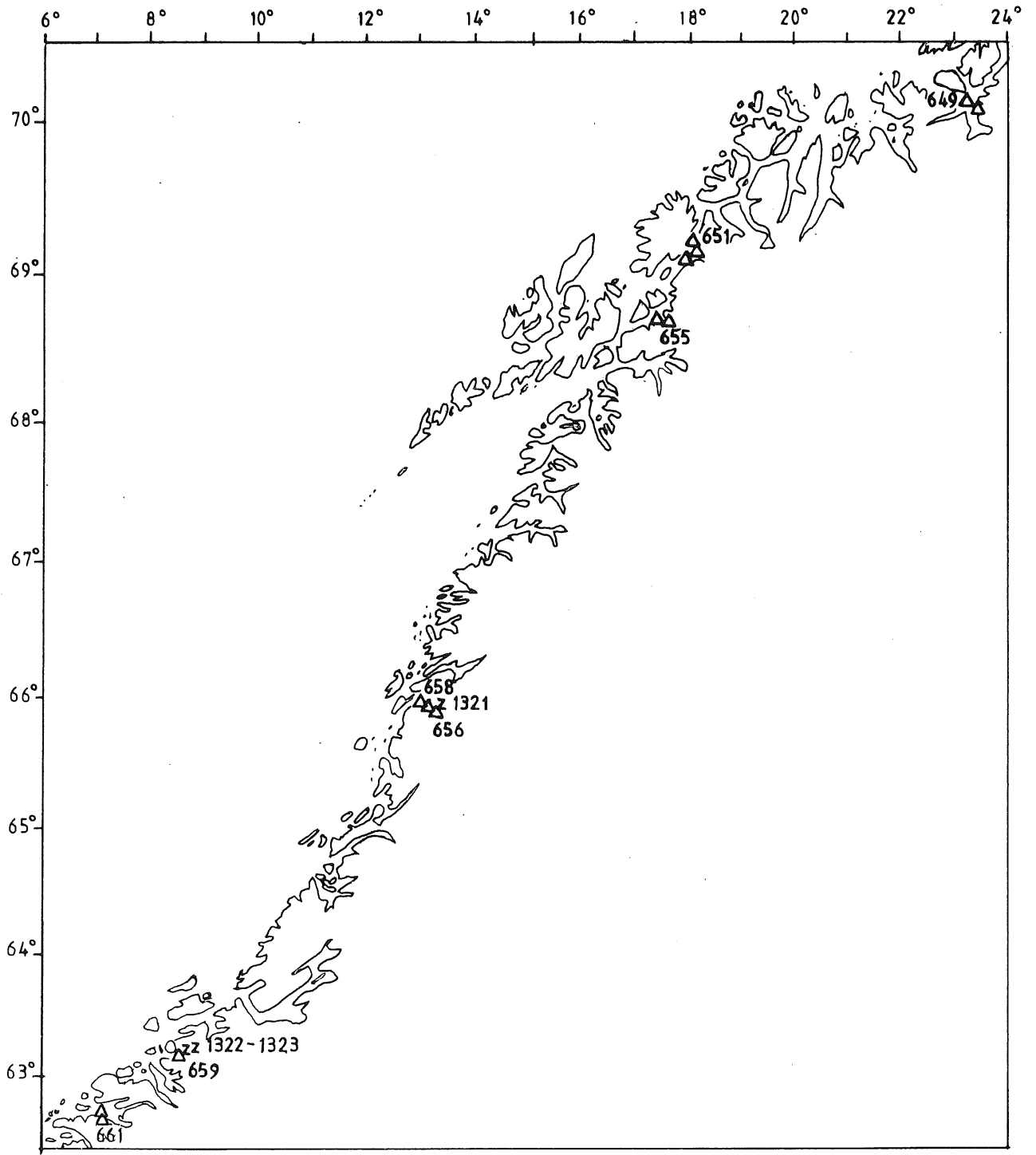
"G.O.SARS"



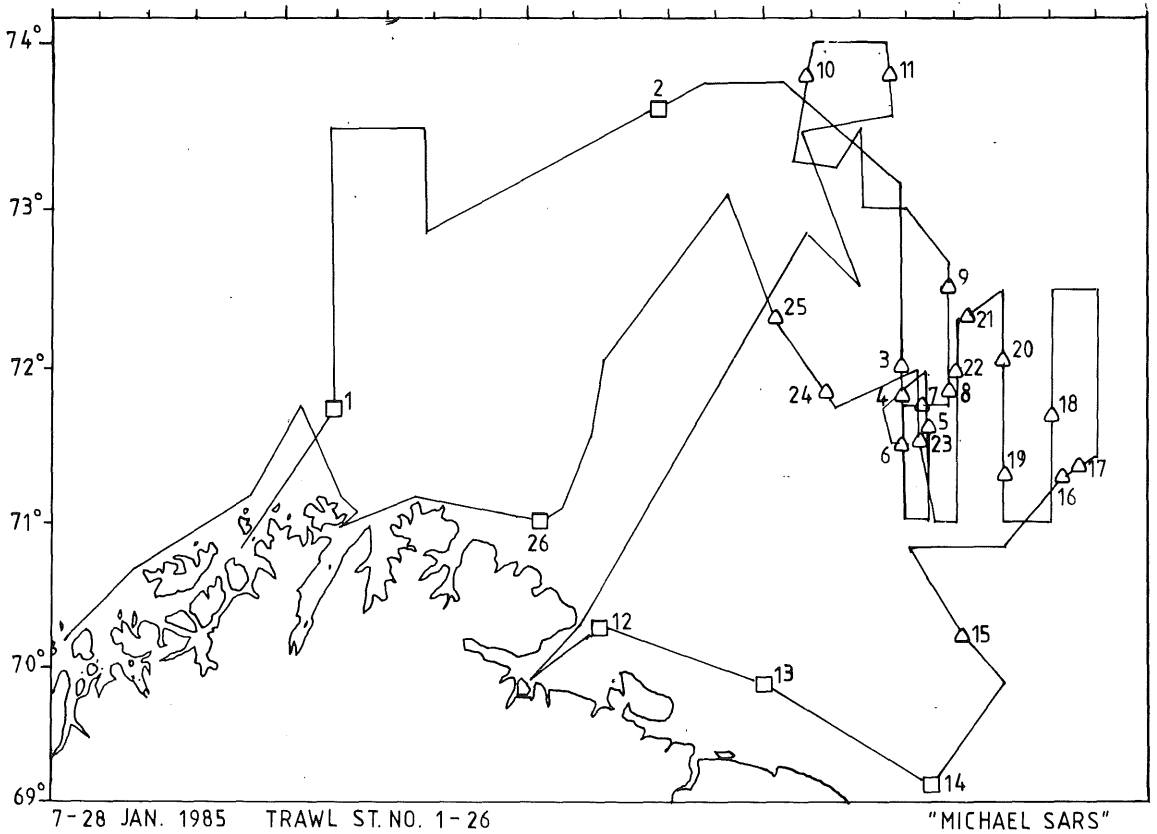
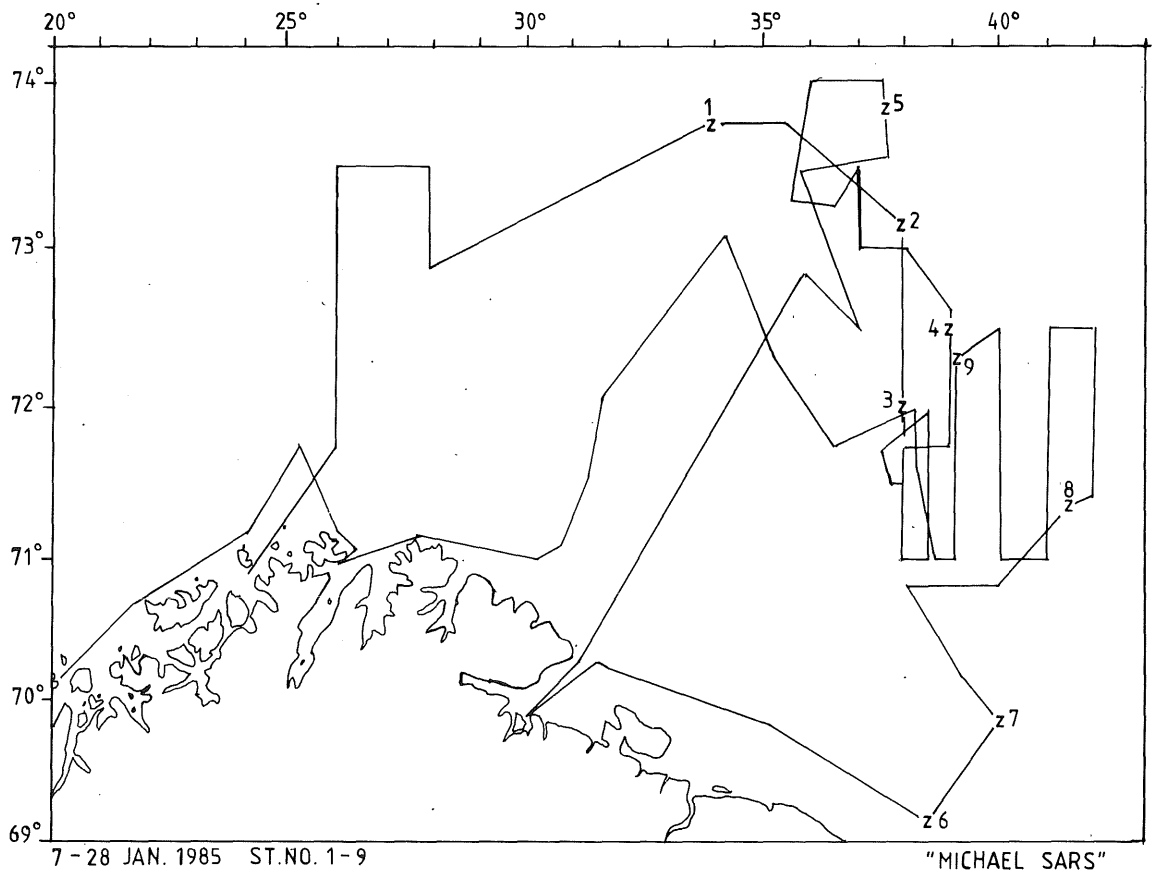


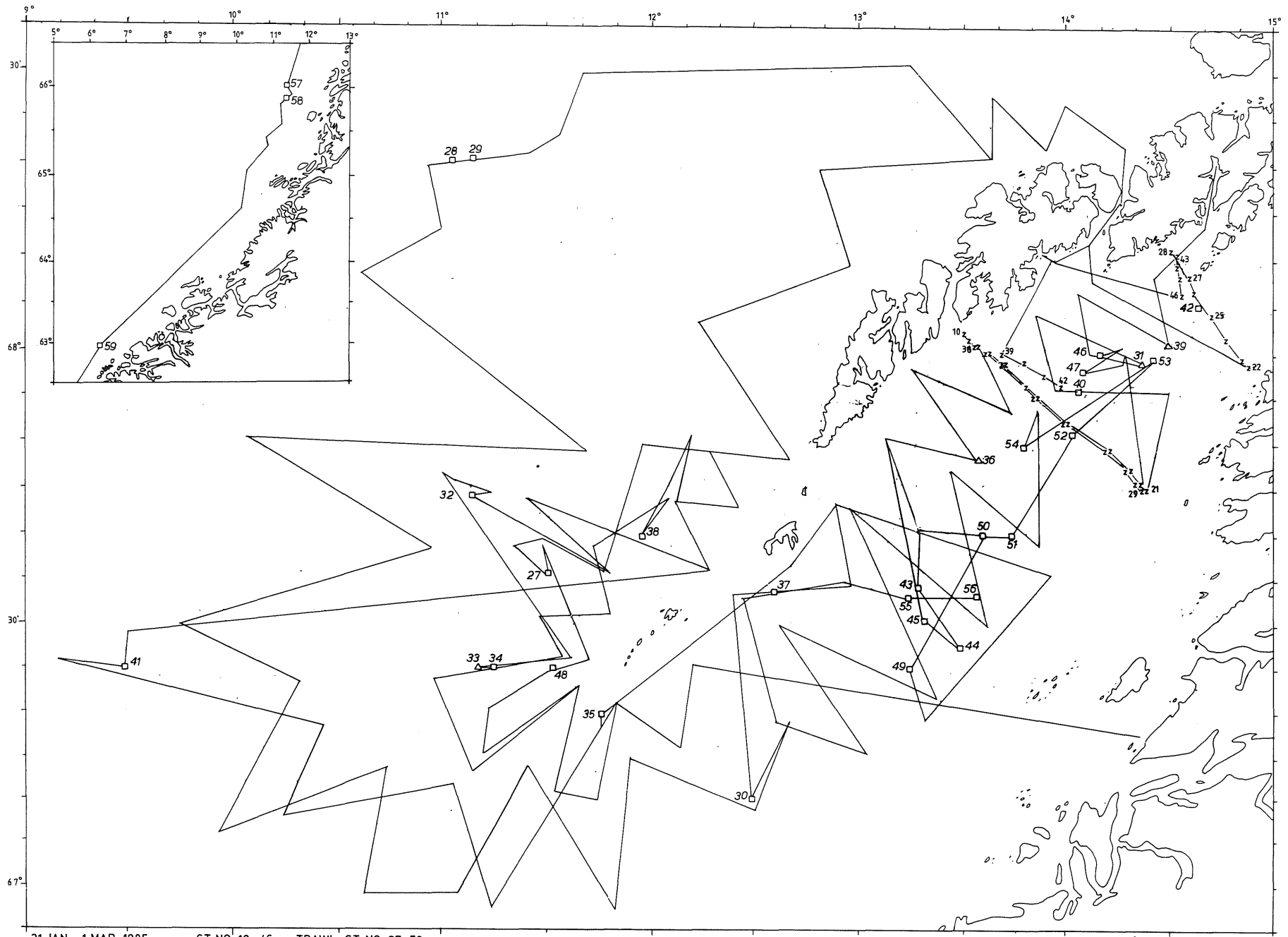






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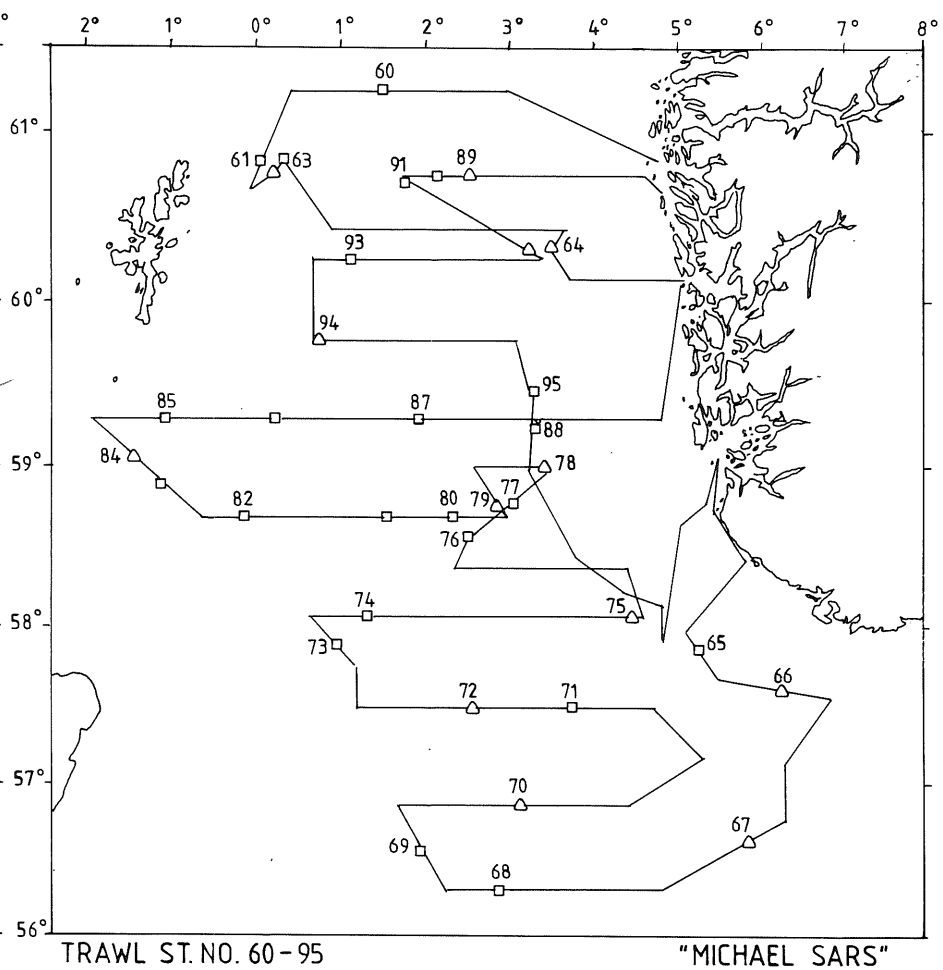
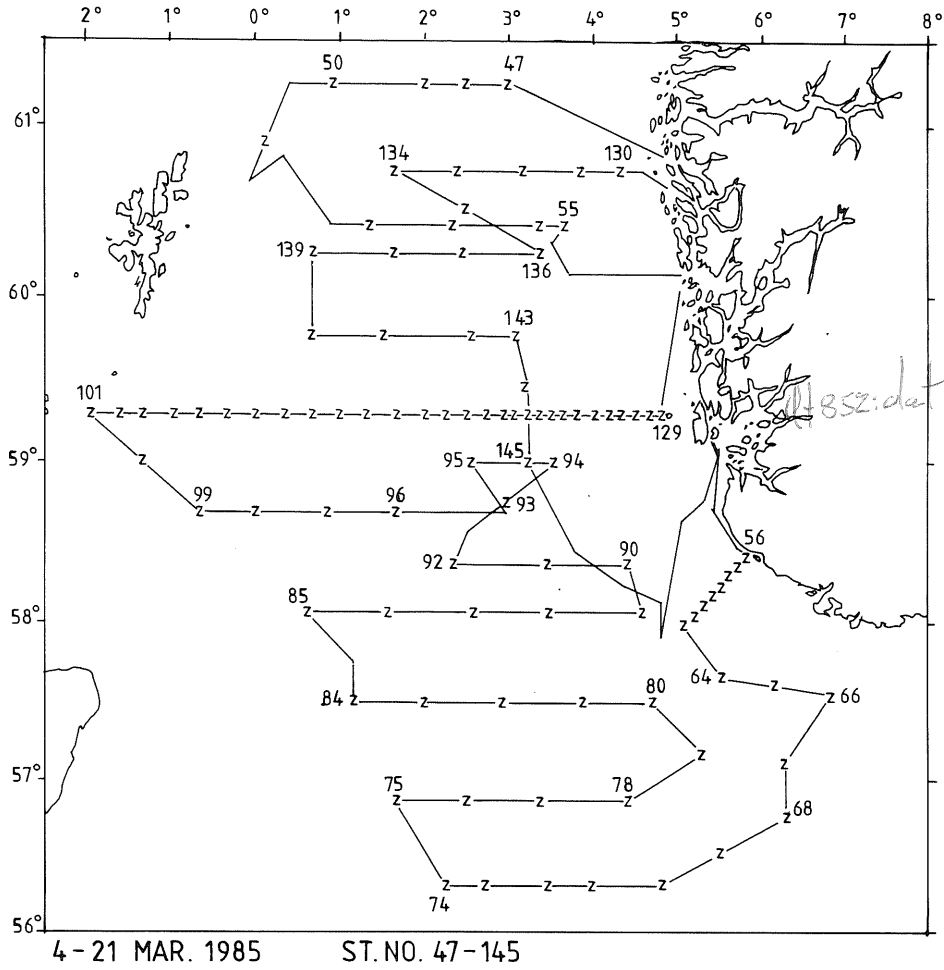


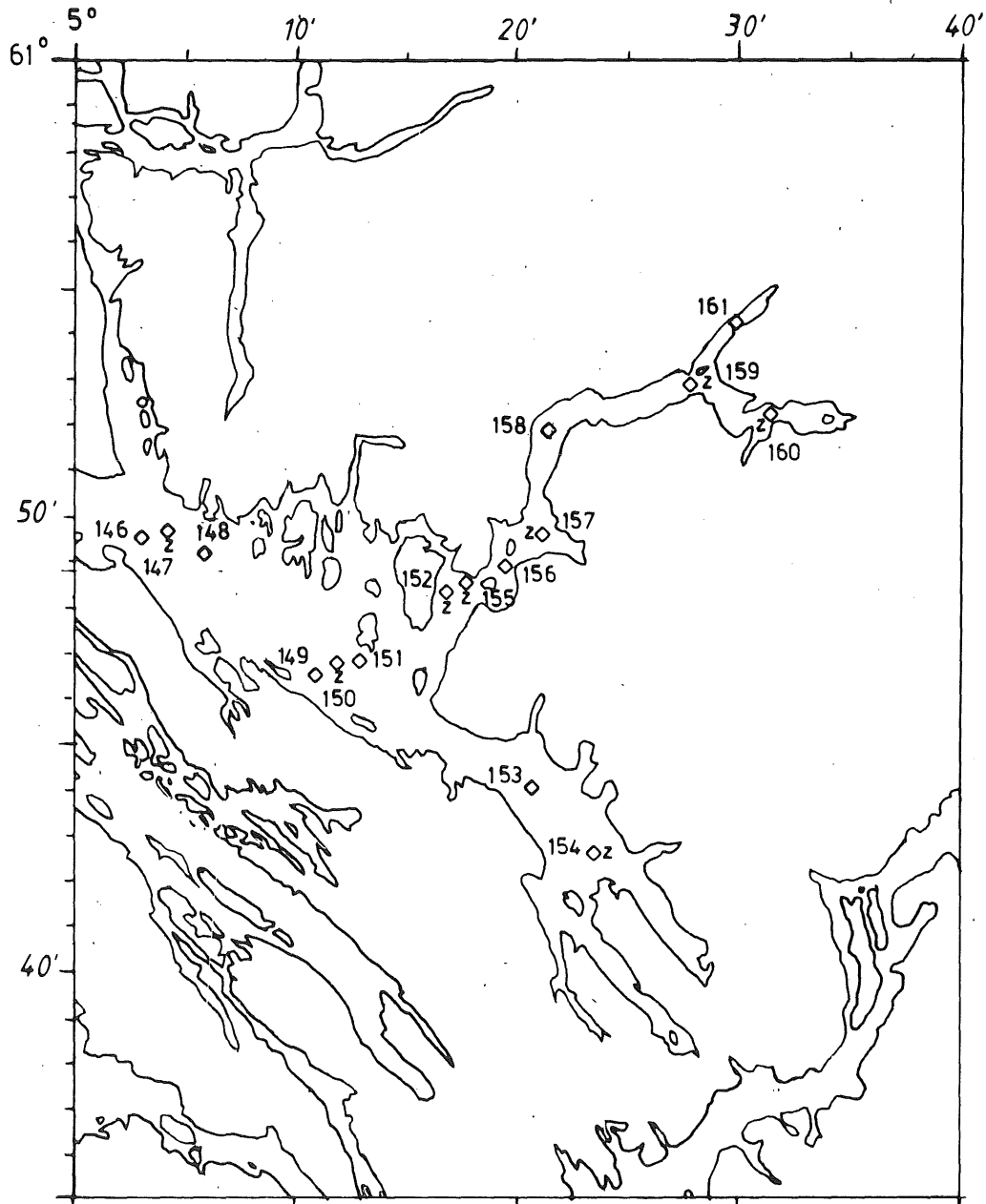
31 JAN. - 1 MAR. 1985

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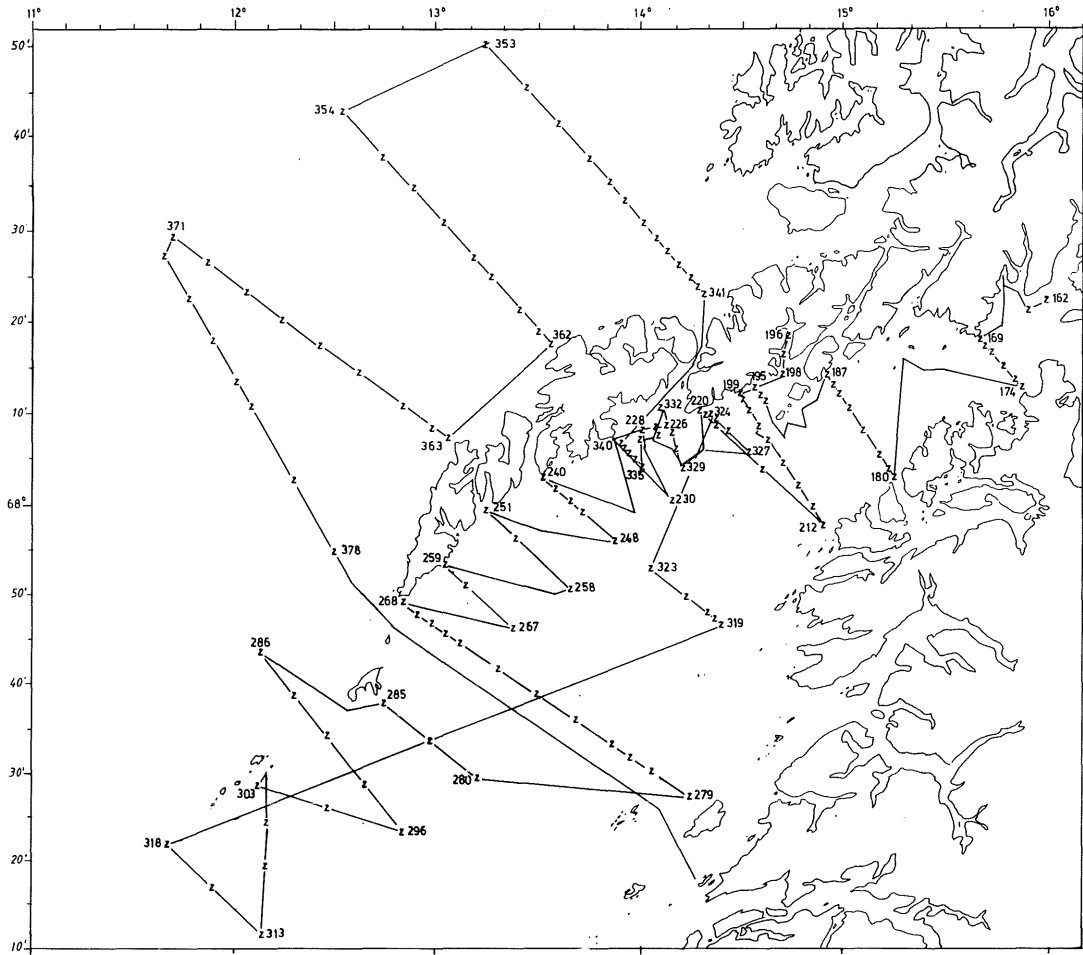
TRAWL ST. NO. 27 - 59

"MICHAEL SÁRS"





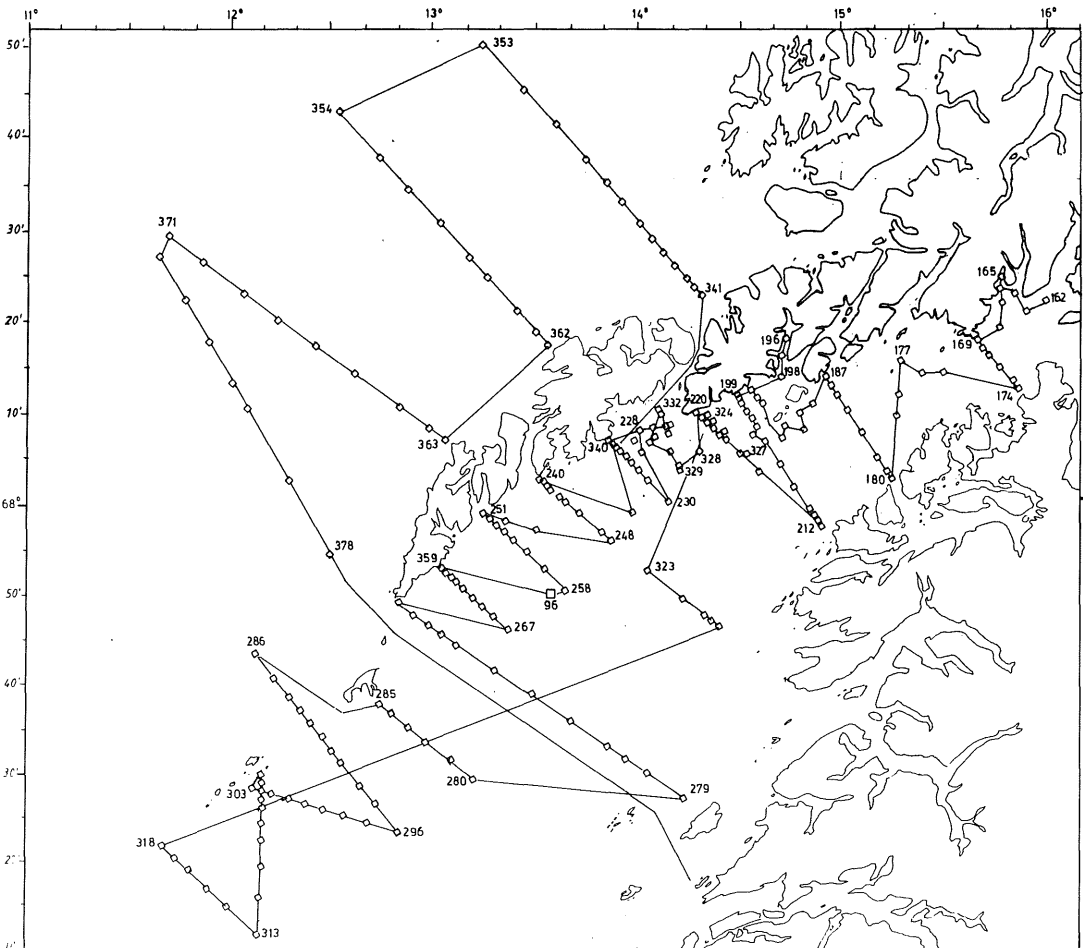
23 MAR. 1985 ST. NO. 147-160 PLANKTON ST. NO. 146-161
"MICHAEL SARS"



25 MAR. - 3 APR. 1985

ST. NO. 162 - 378

"MICHAEL SARS"

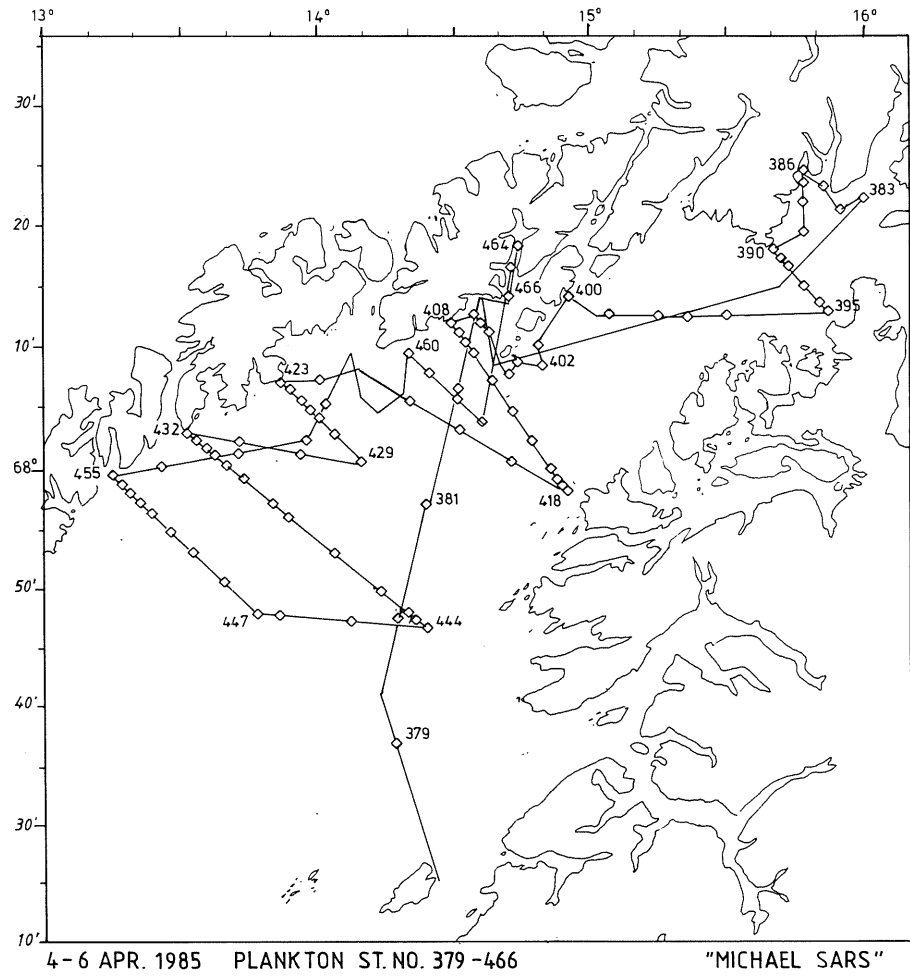
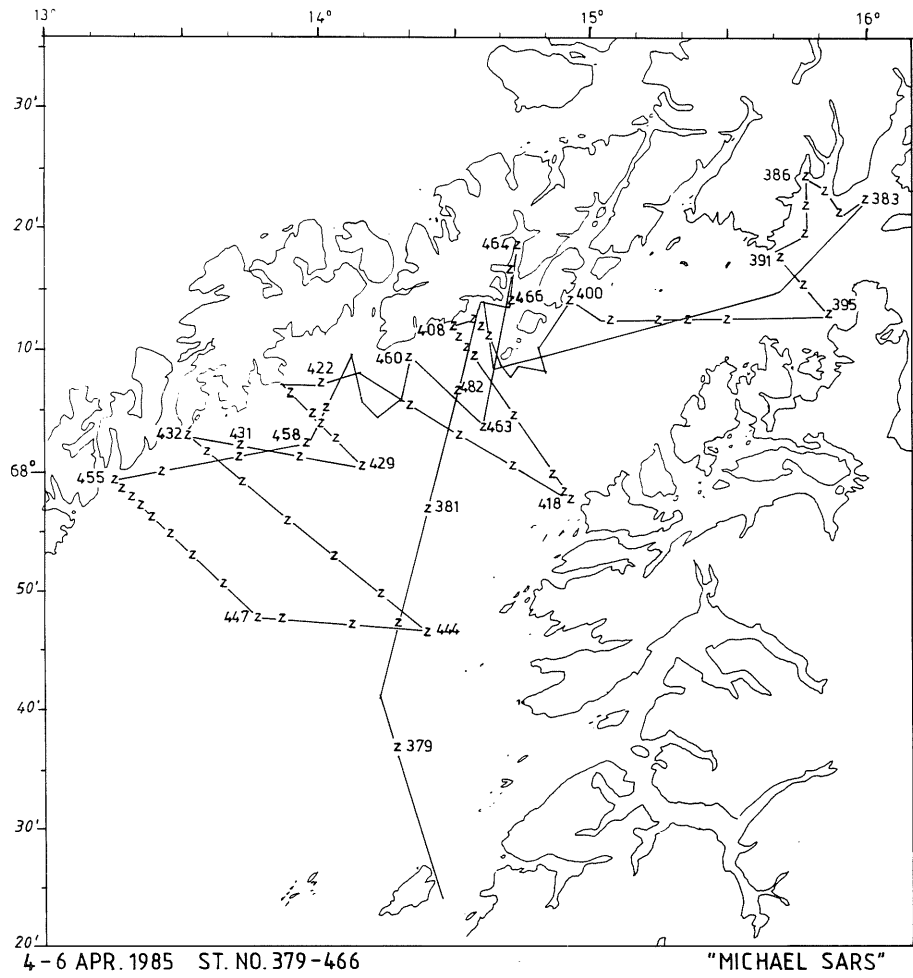


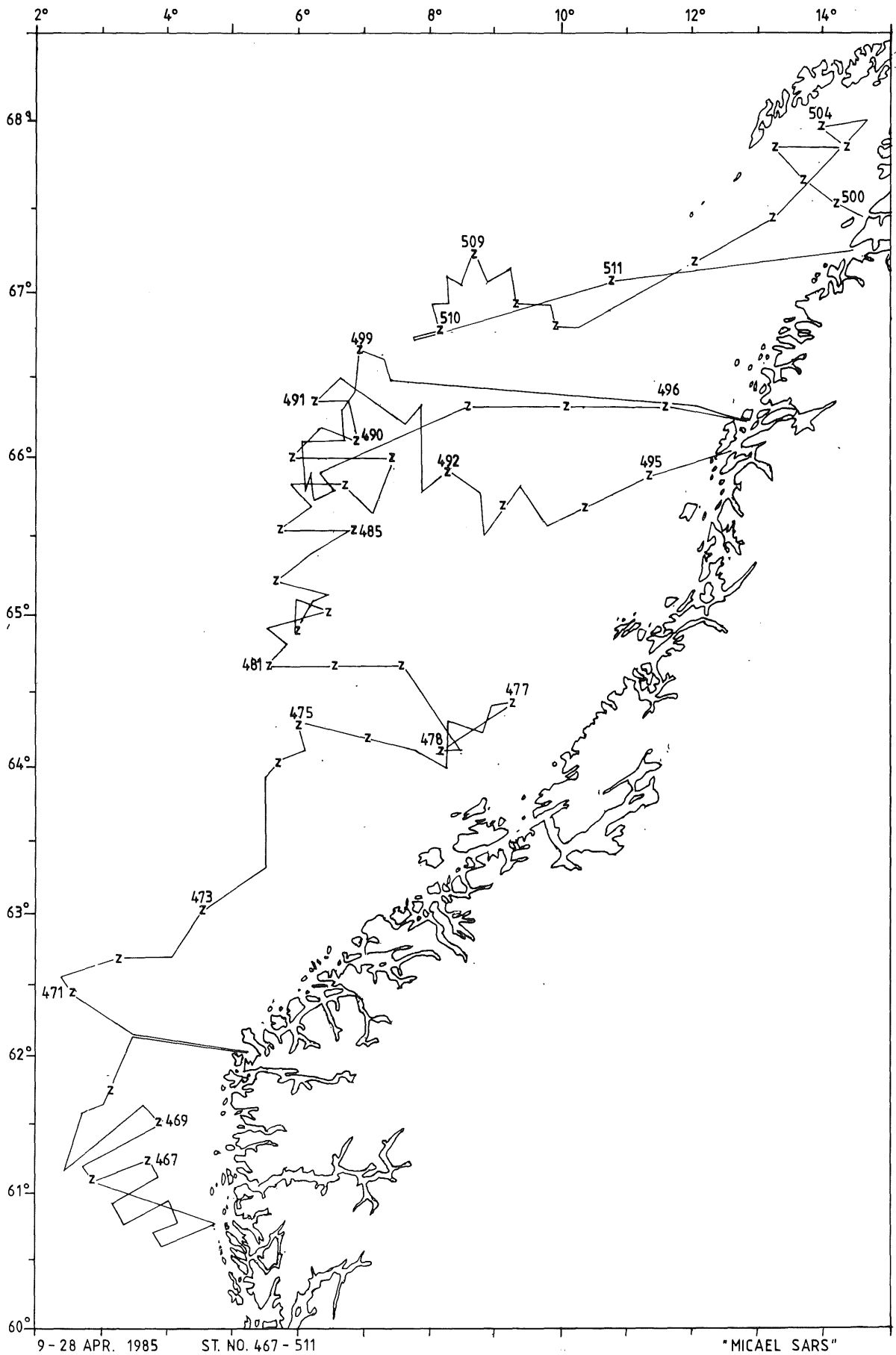
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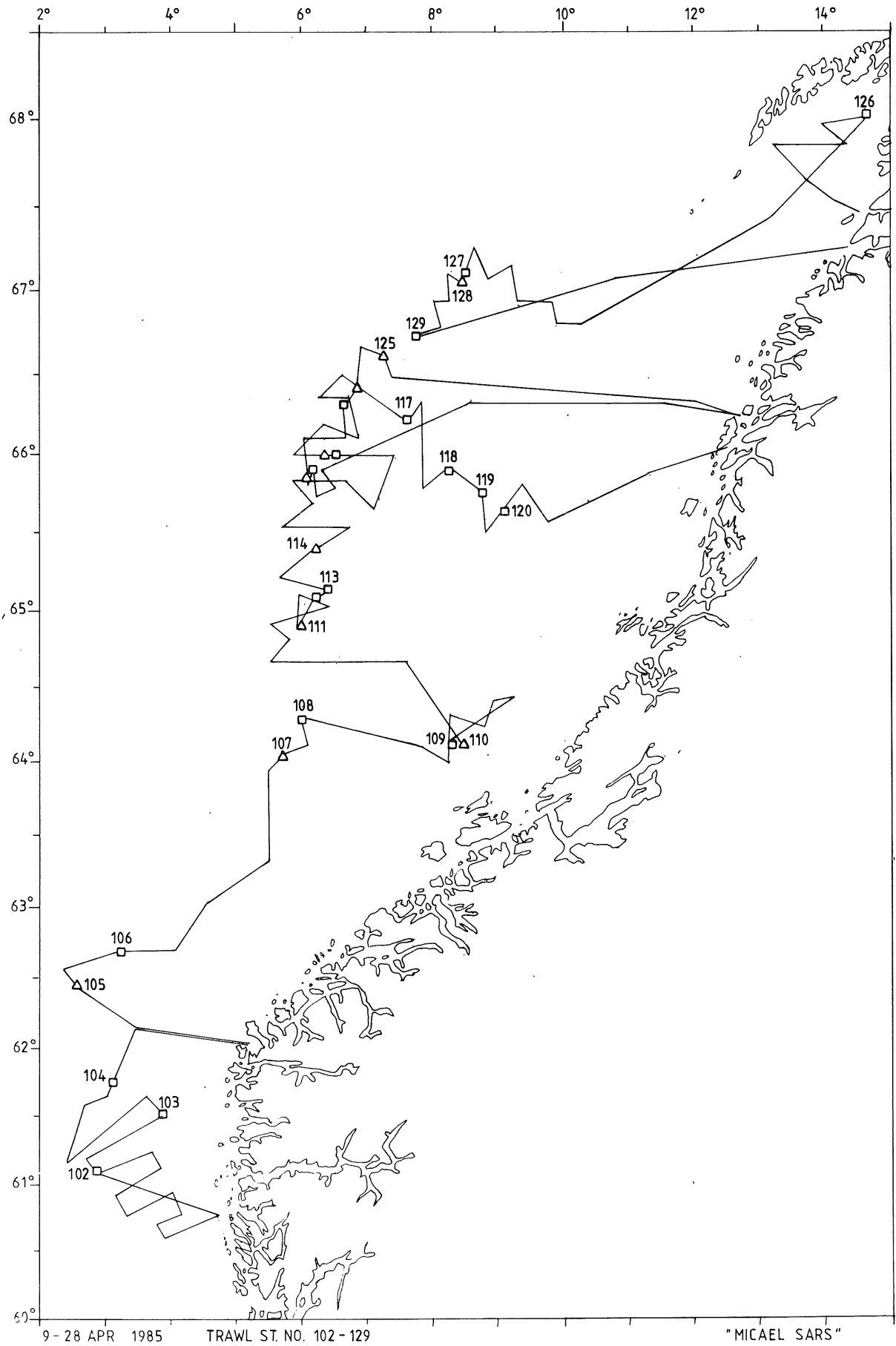
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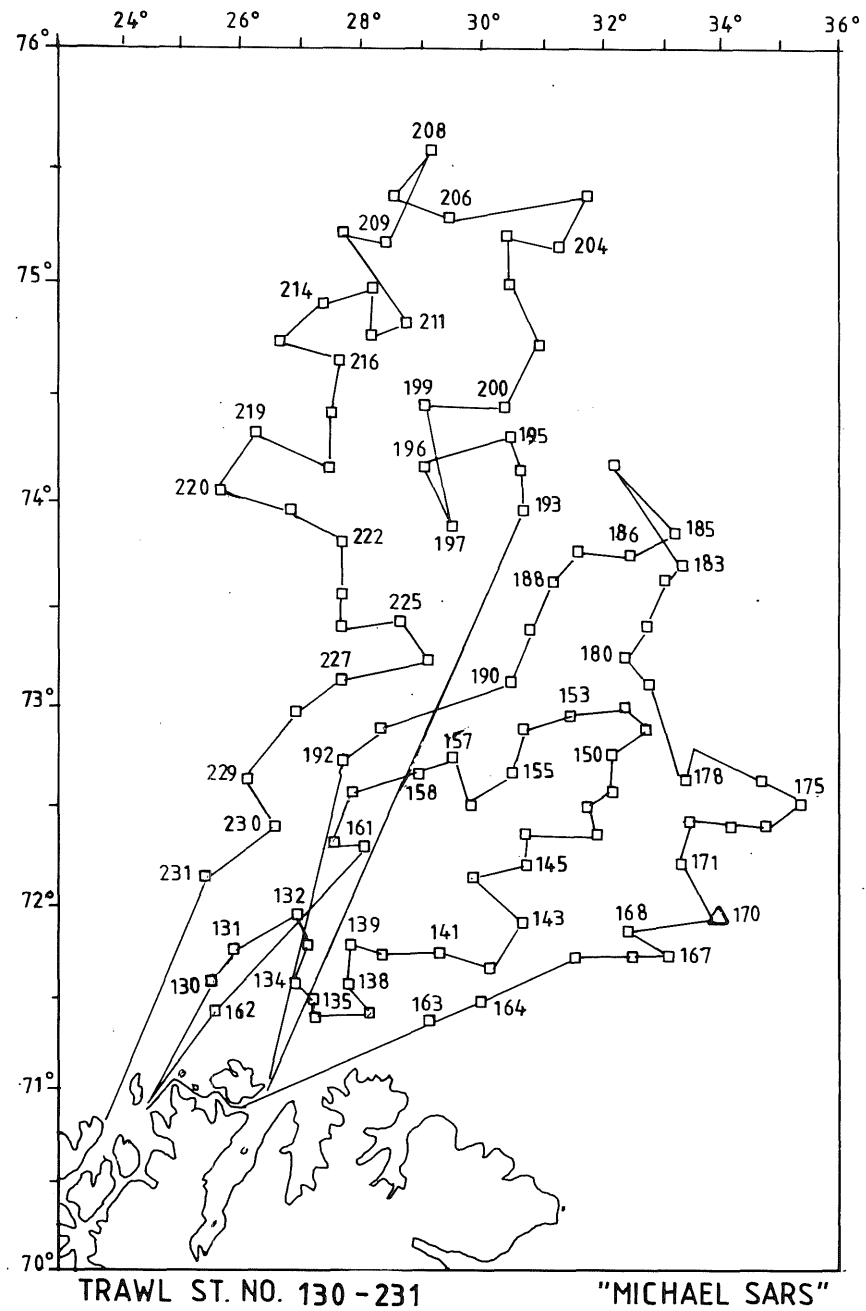
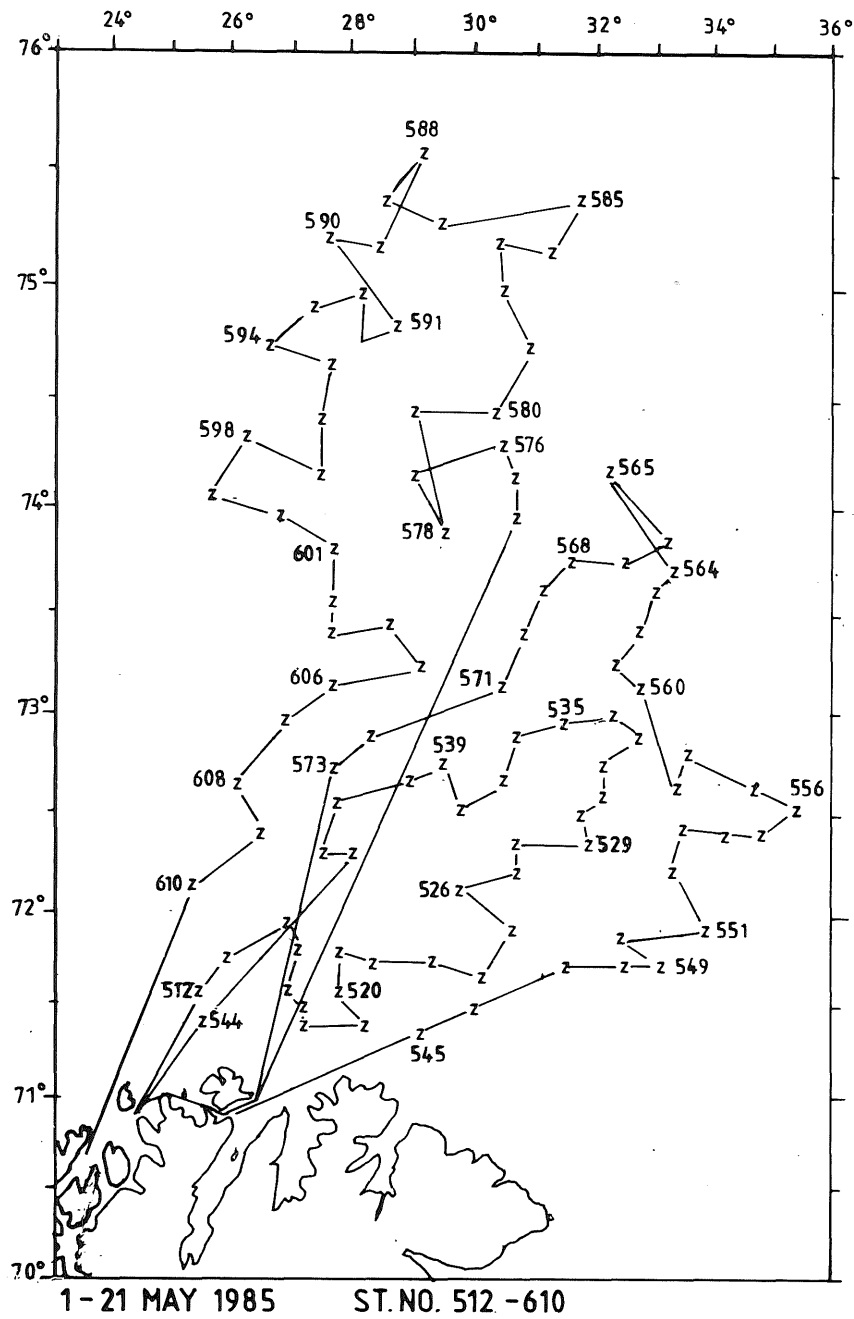
PLANKTON ST. NO. 162 - 378

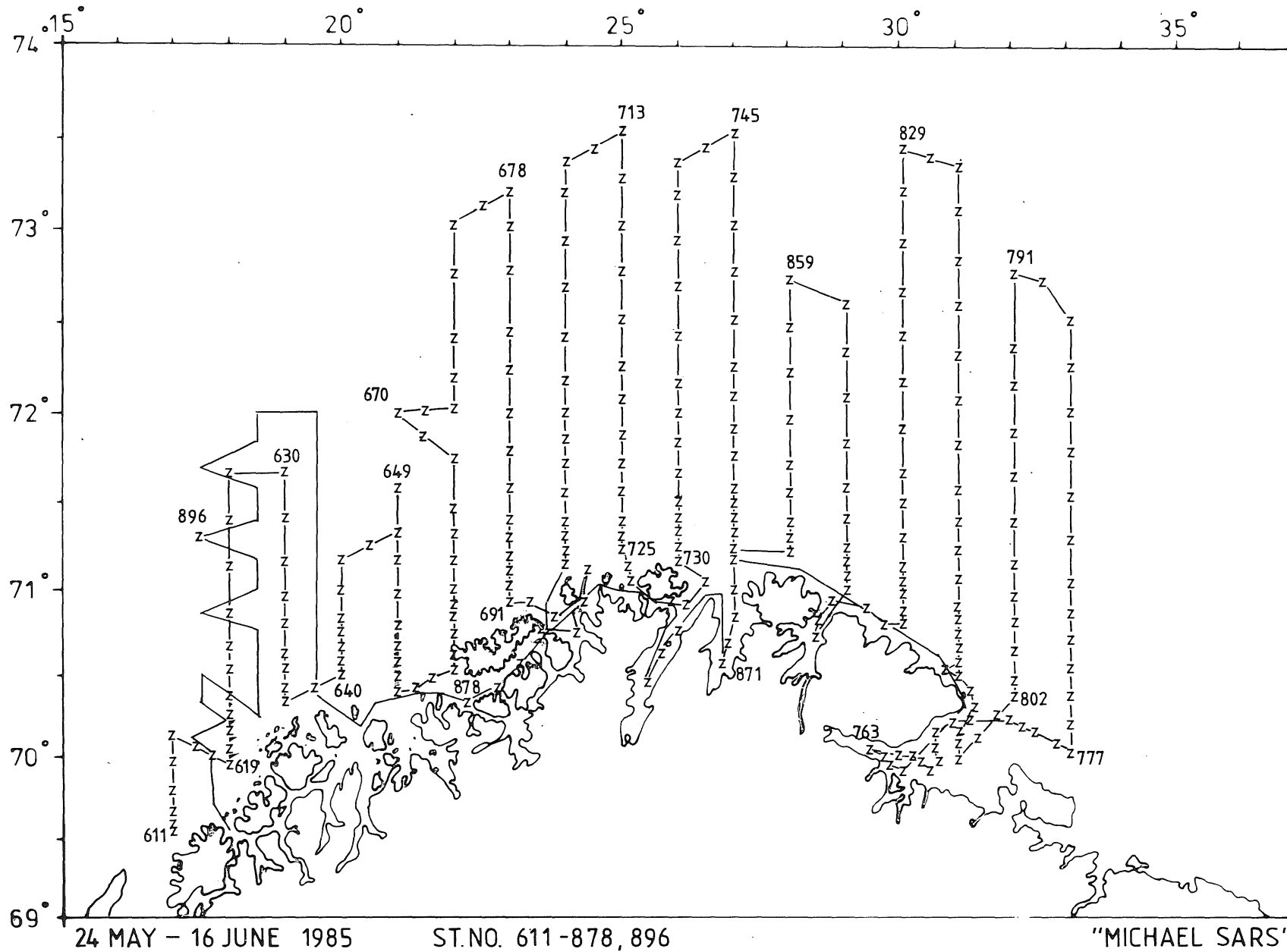
"MICHAEL SARS"

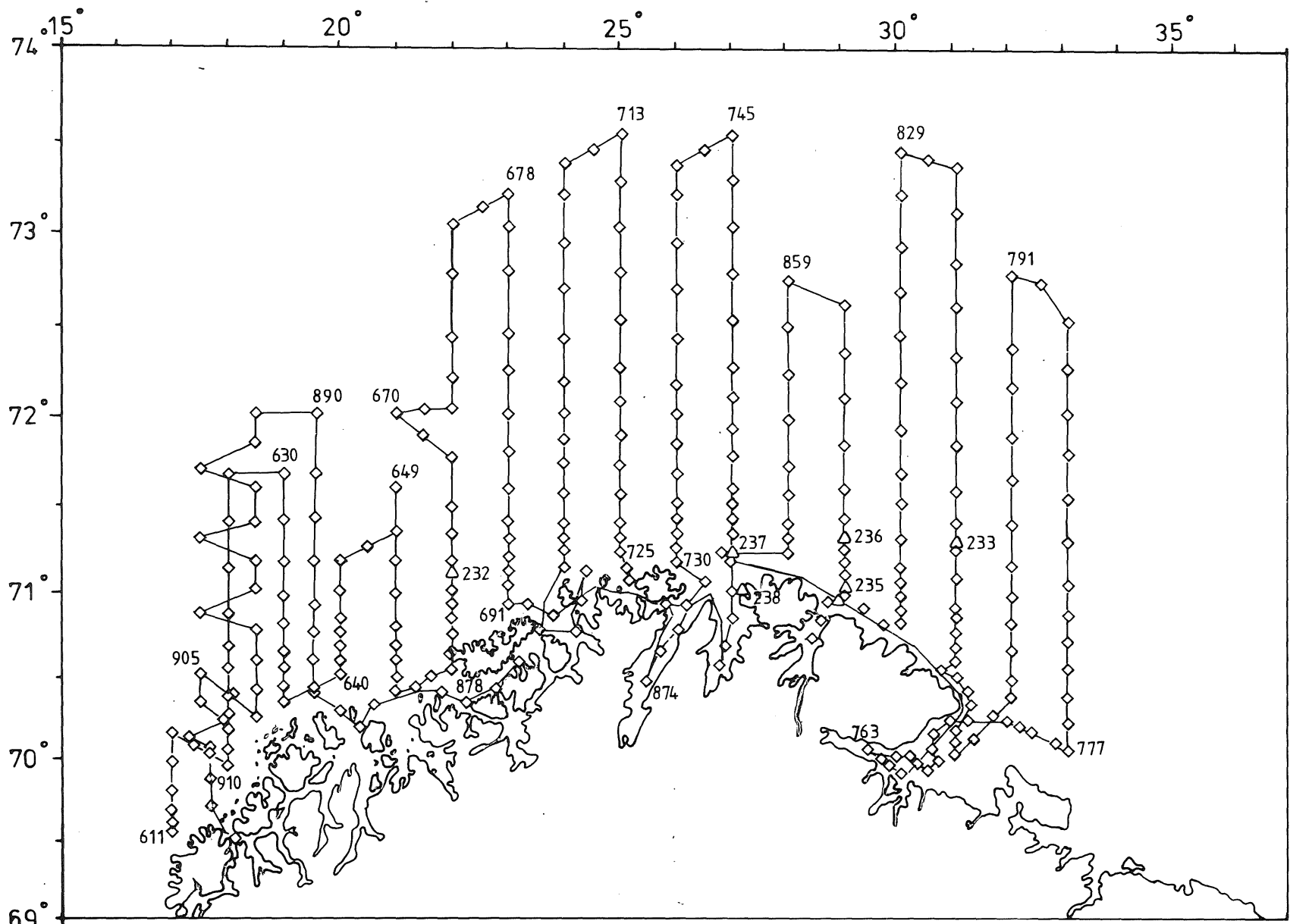




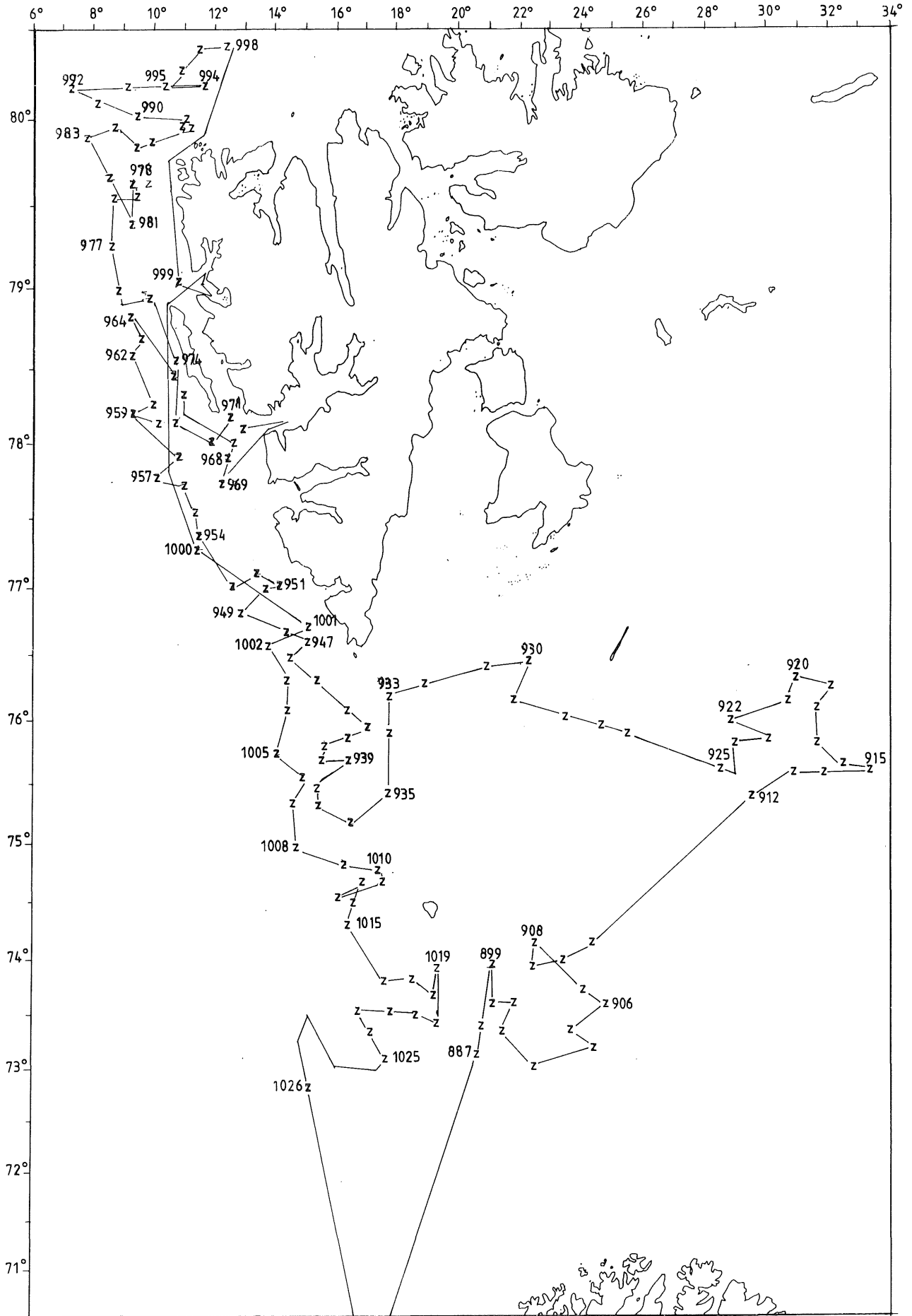


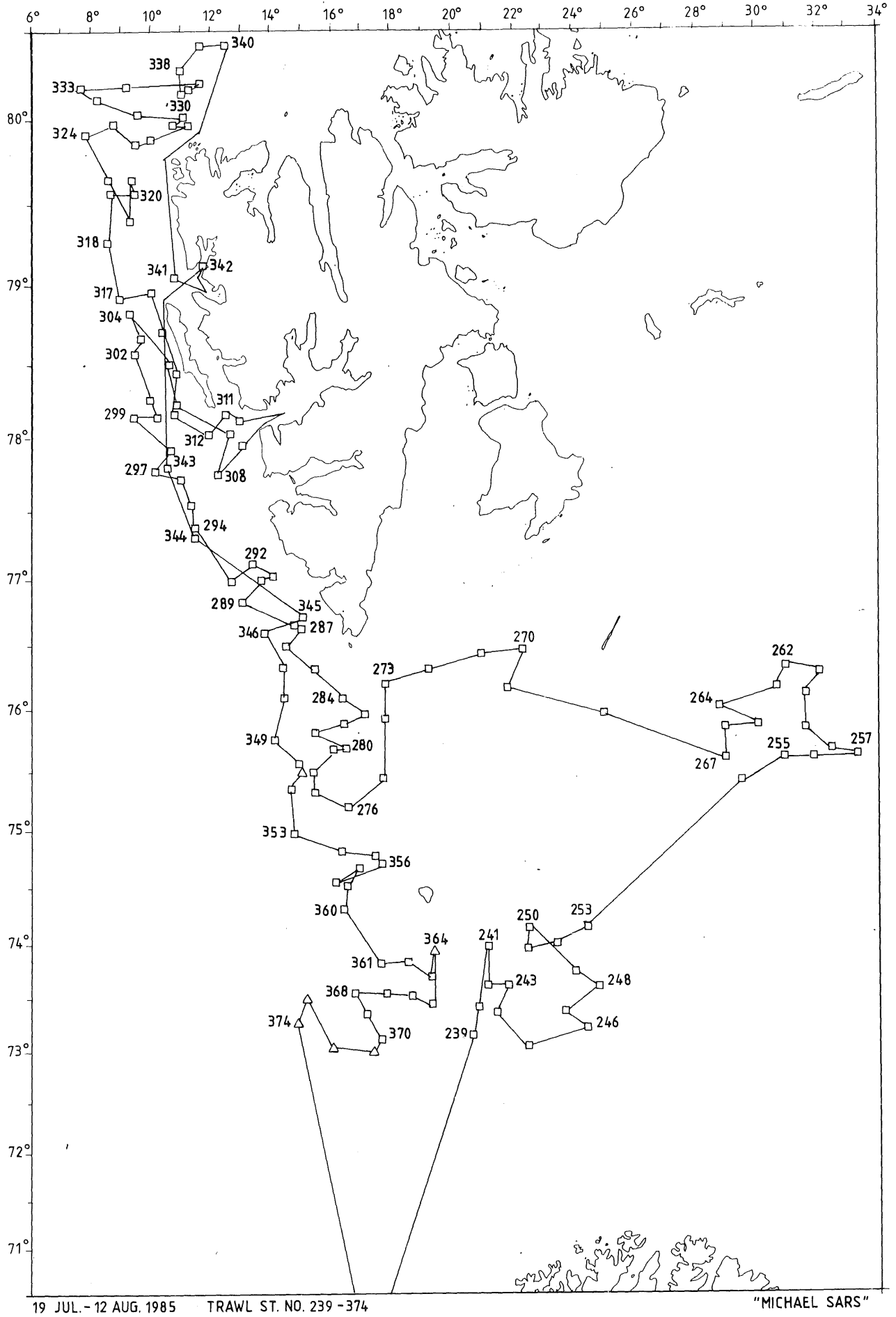


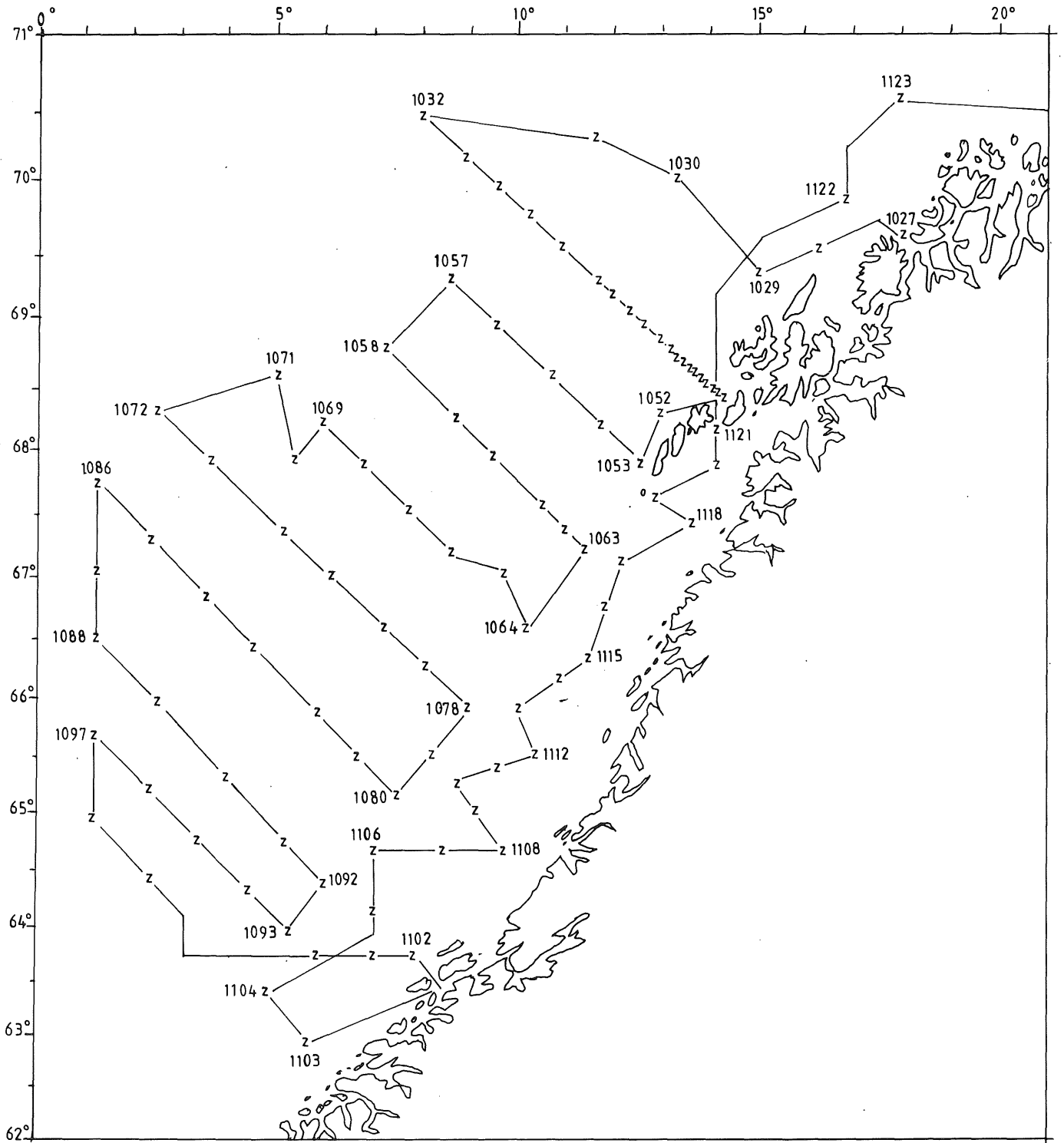




24 MAY - 16 JUNE 1985 TRAWL ST. 232-238 PLANKTON ST. 611-912 "MICHAEL SARS"

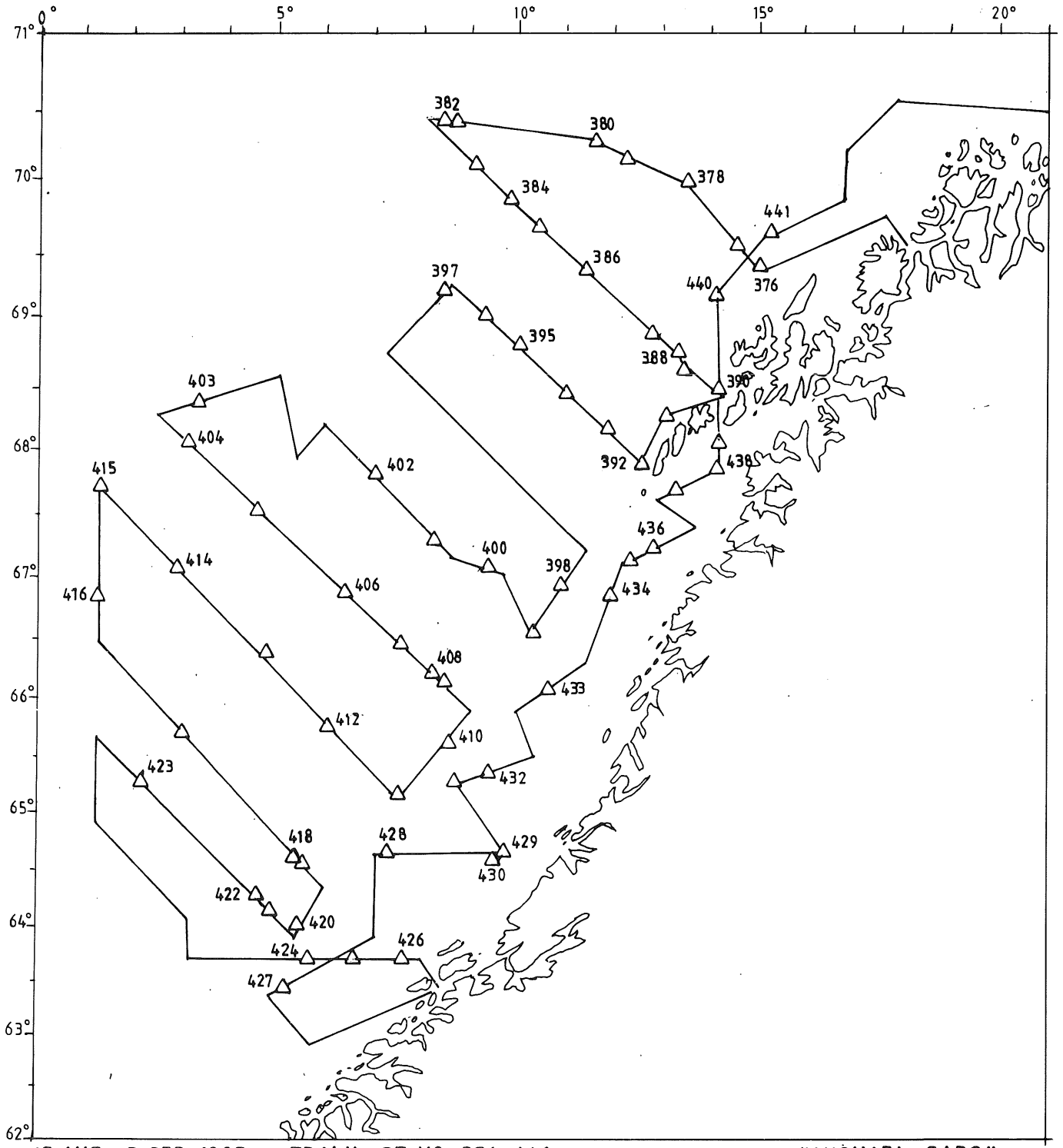






15 AUG. - 5 SEP. 1985 ST. NO. 1027 - 1123

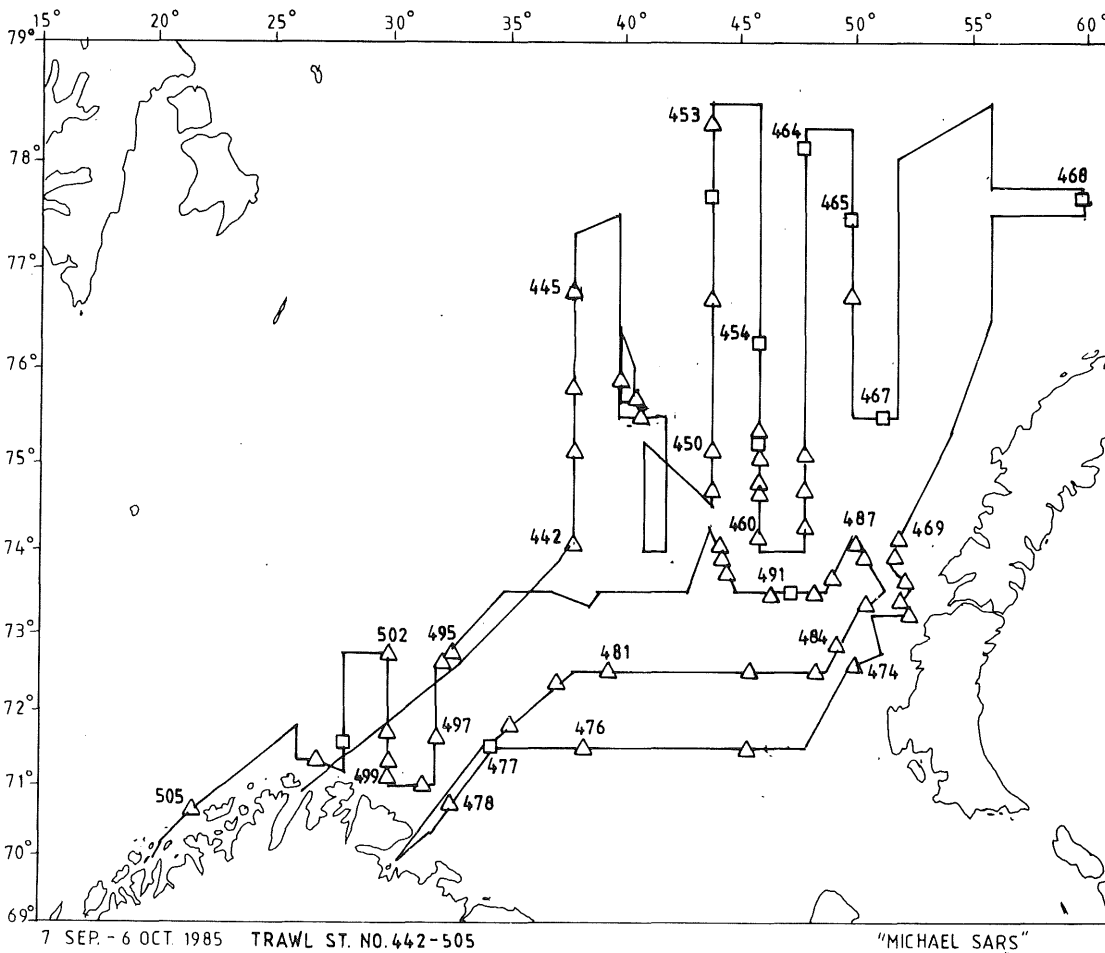
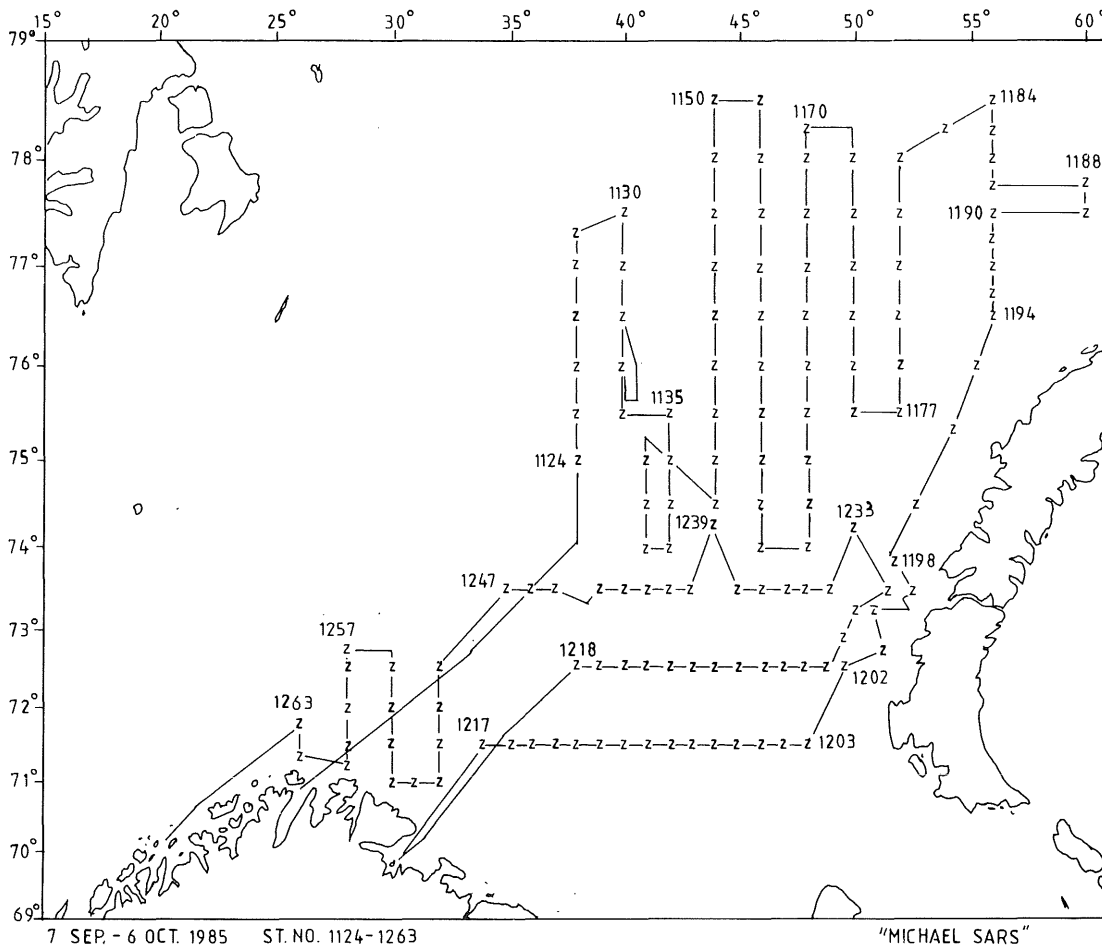
"MICHAEL SARS"

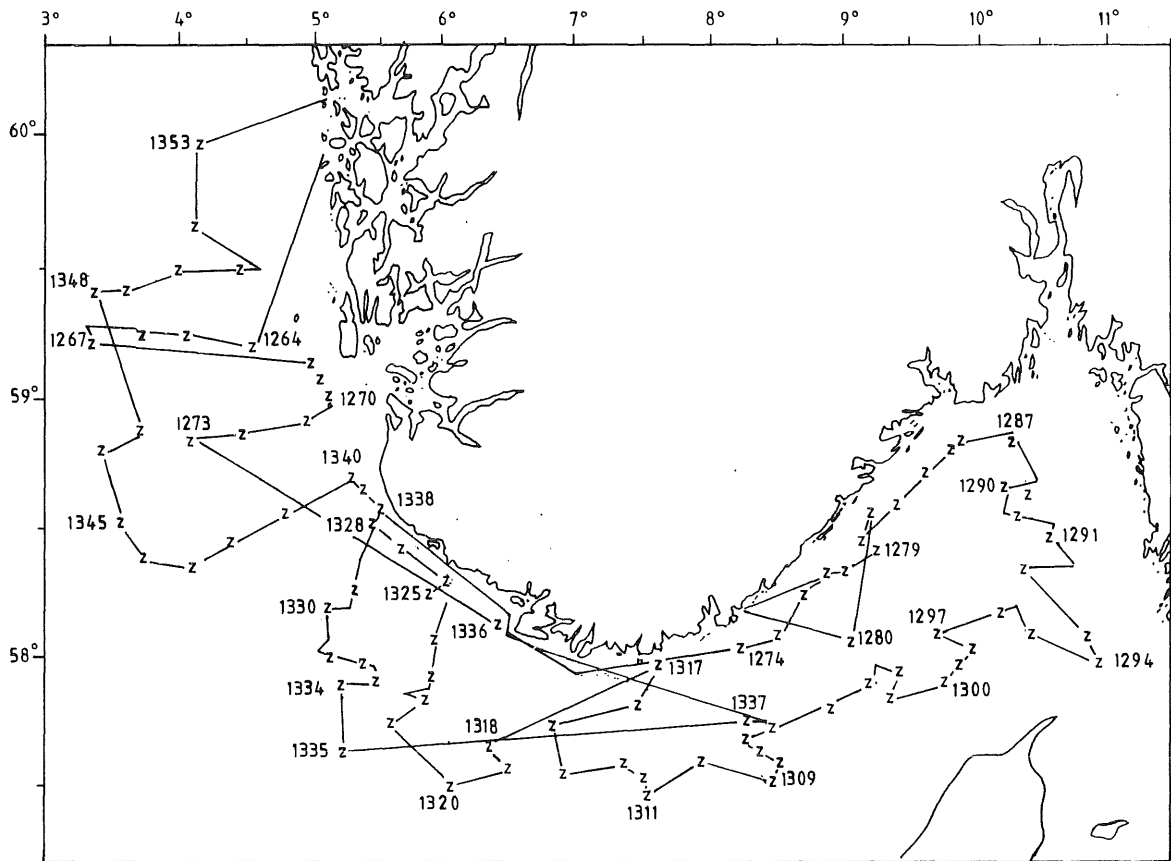


15 AUG. - 5 SEP. 1985

TRAWL ST. NO. 376-441

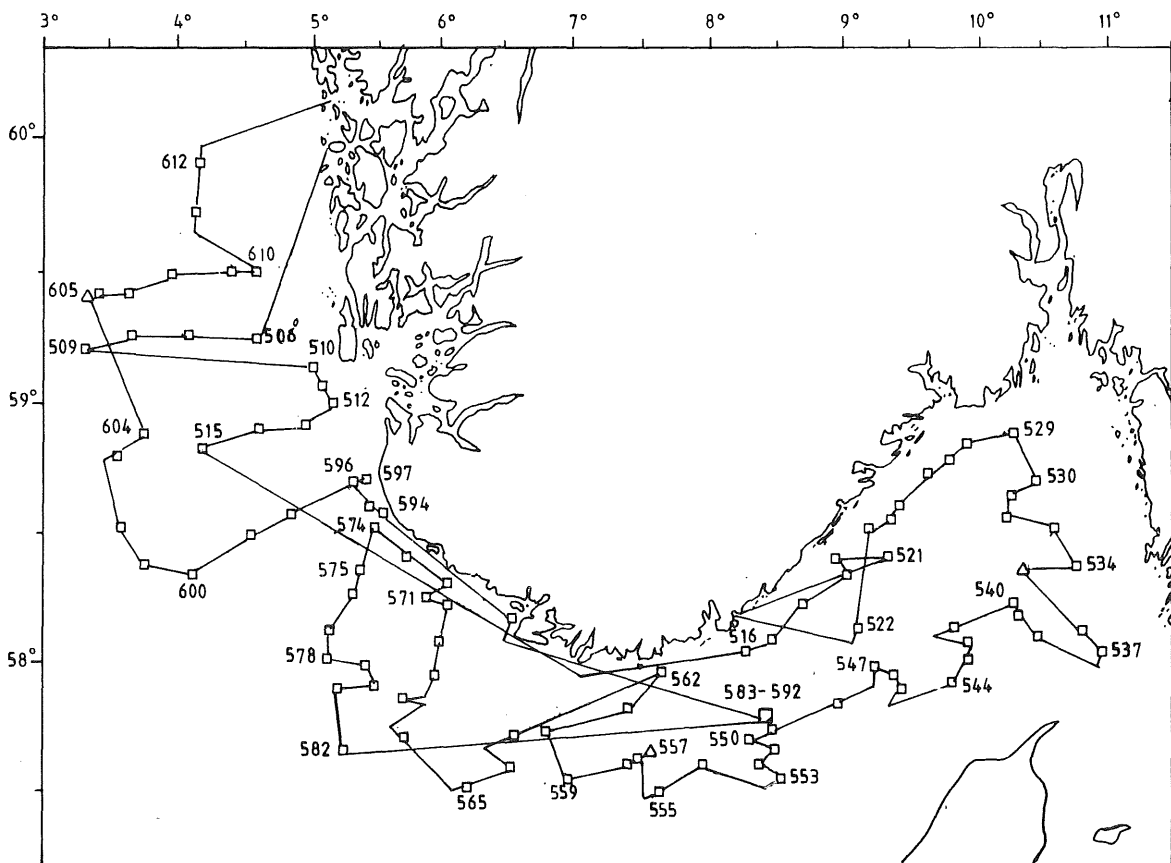
"MICHAEL SARS"





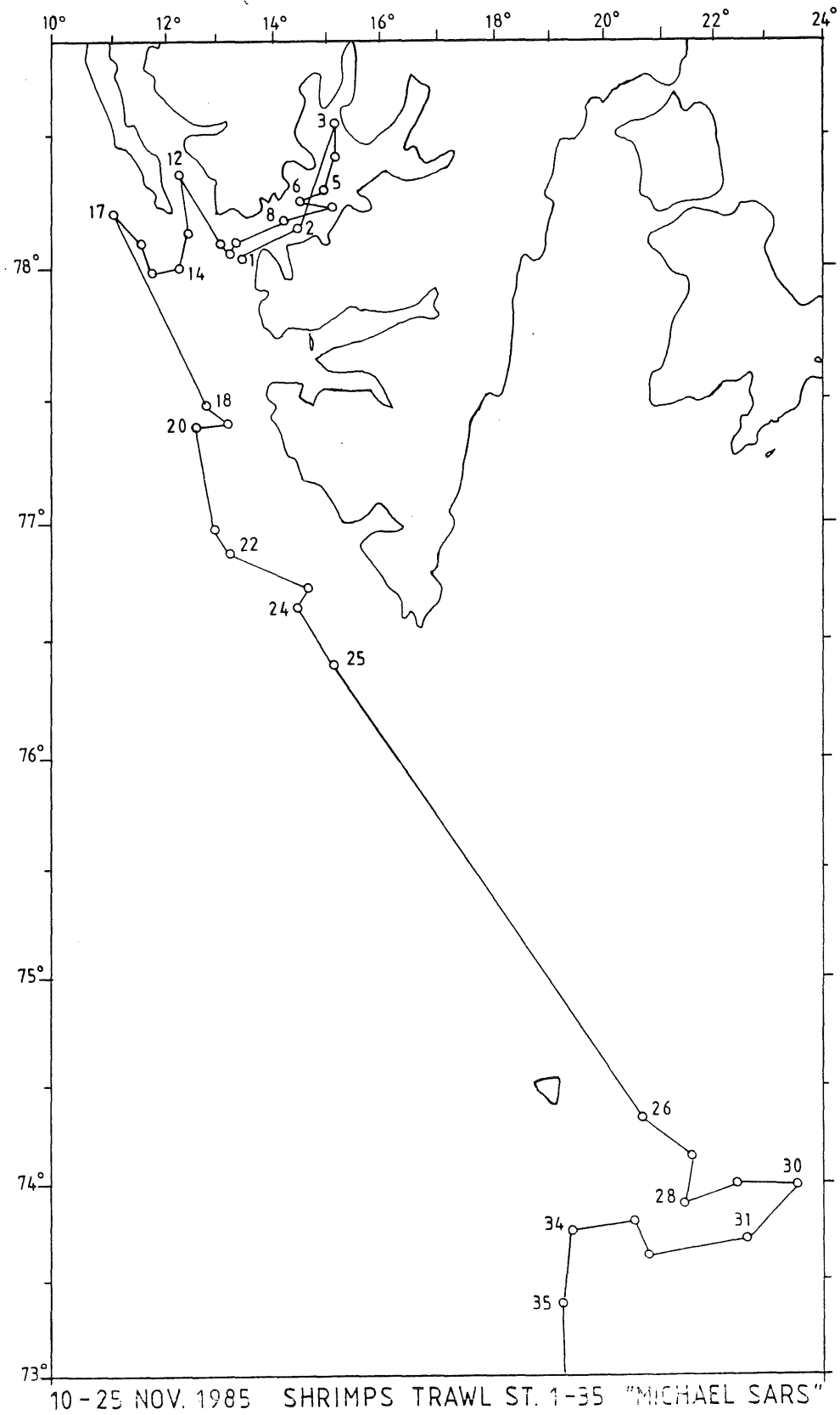
12-28 OCT. 1985 ST. NO. 1264-1353

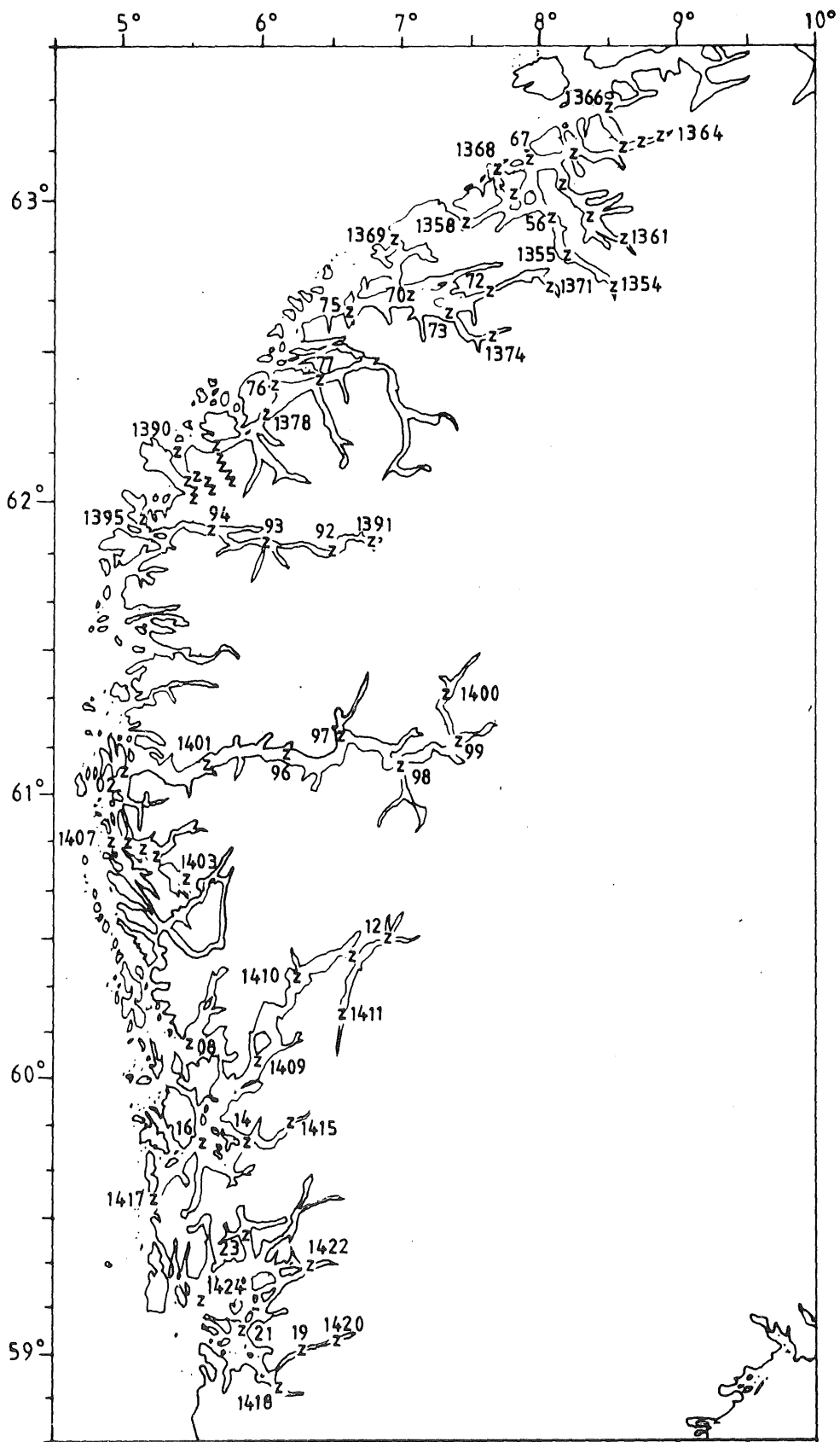
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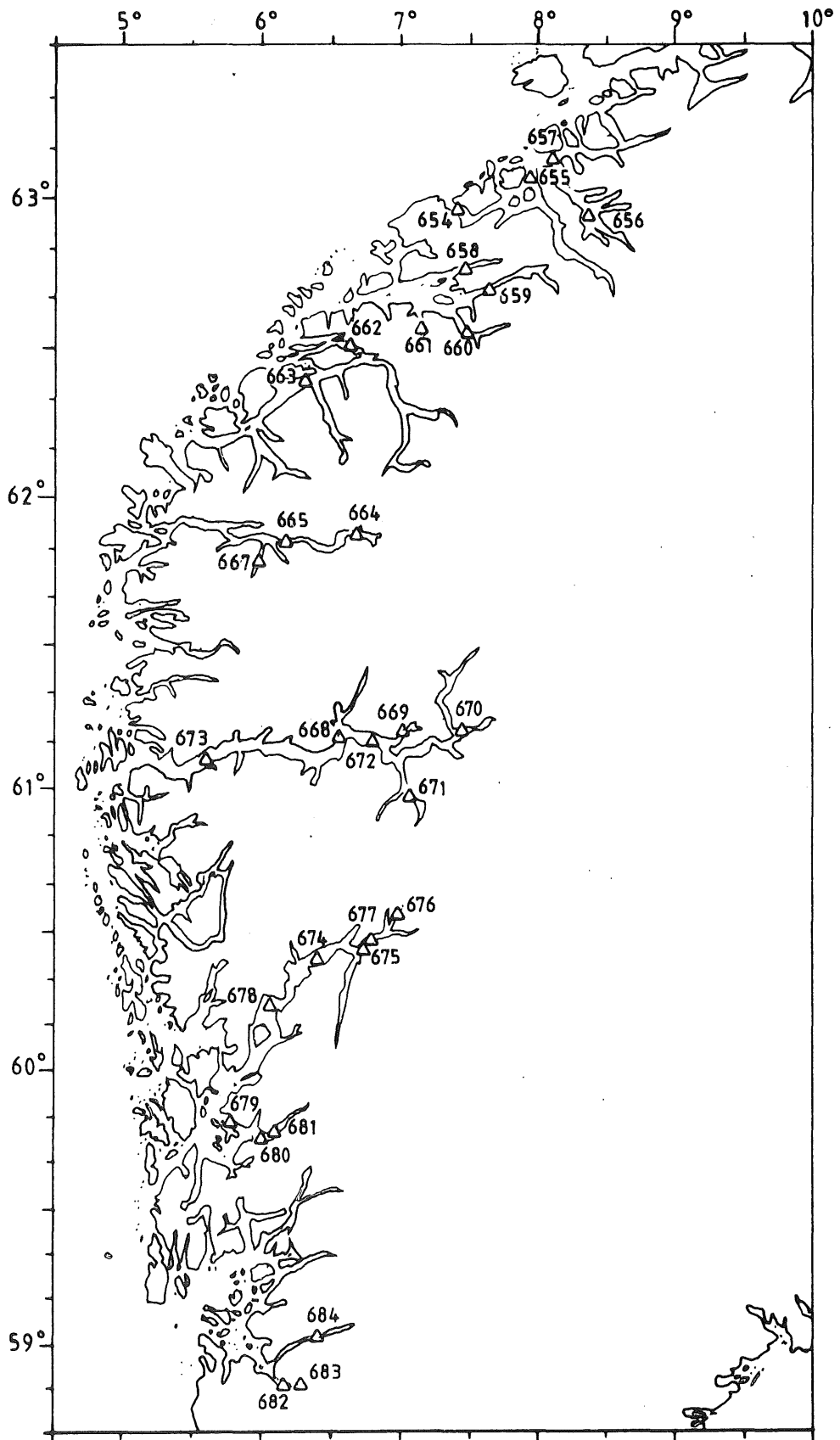
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"MICHAEL SARS"

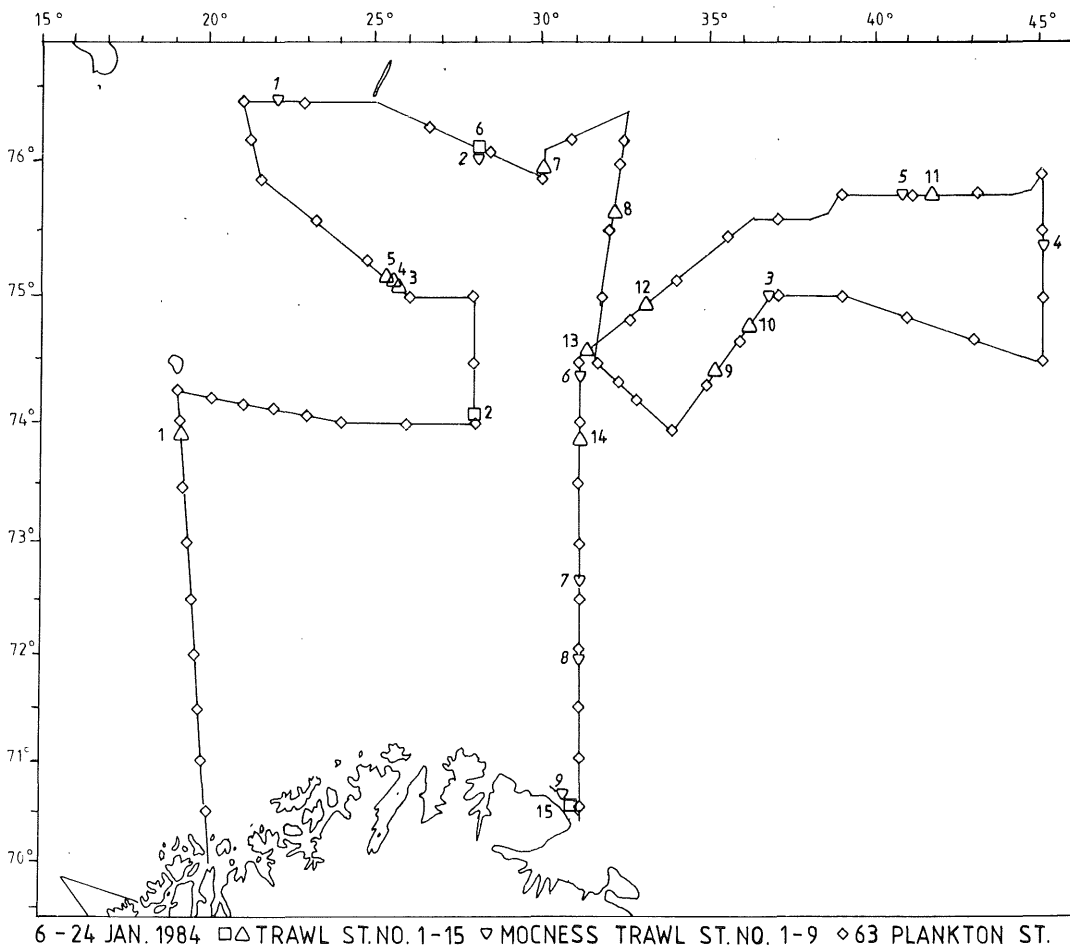
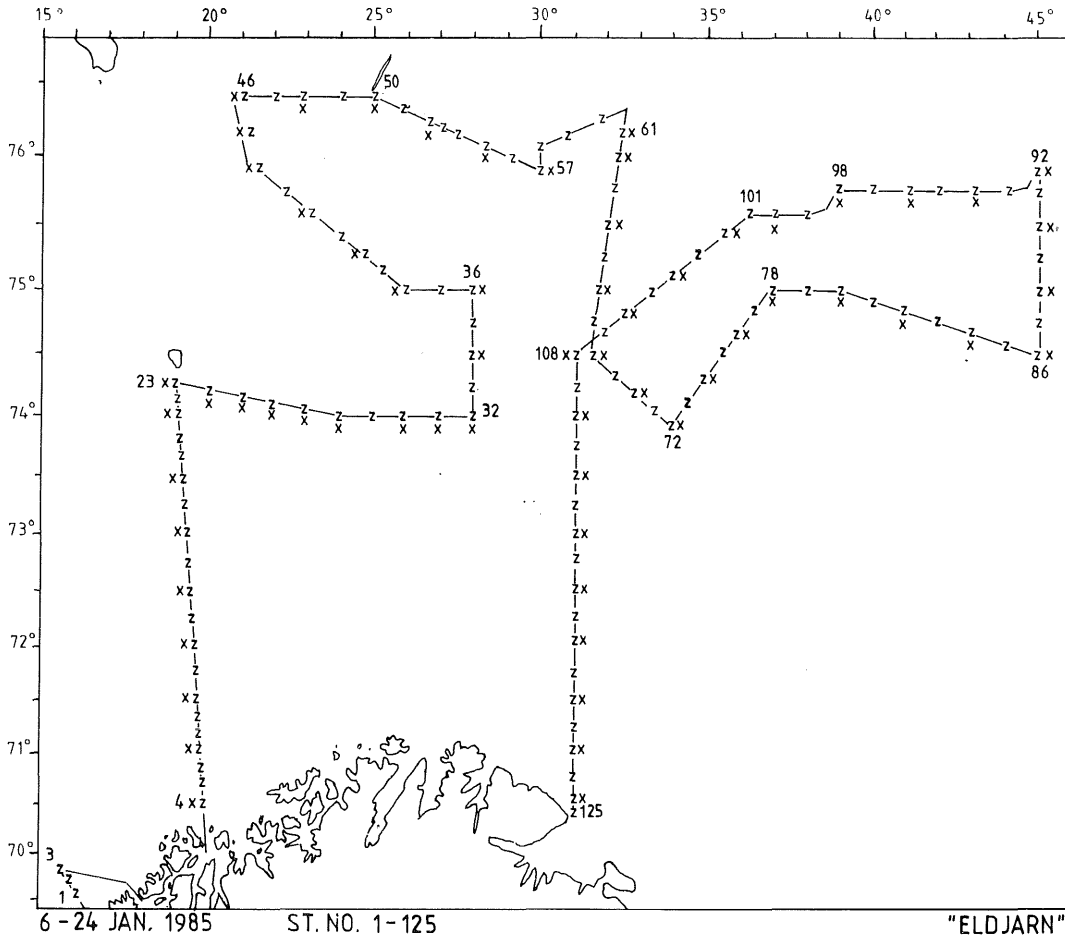


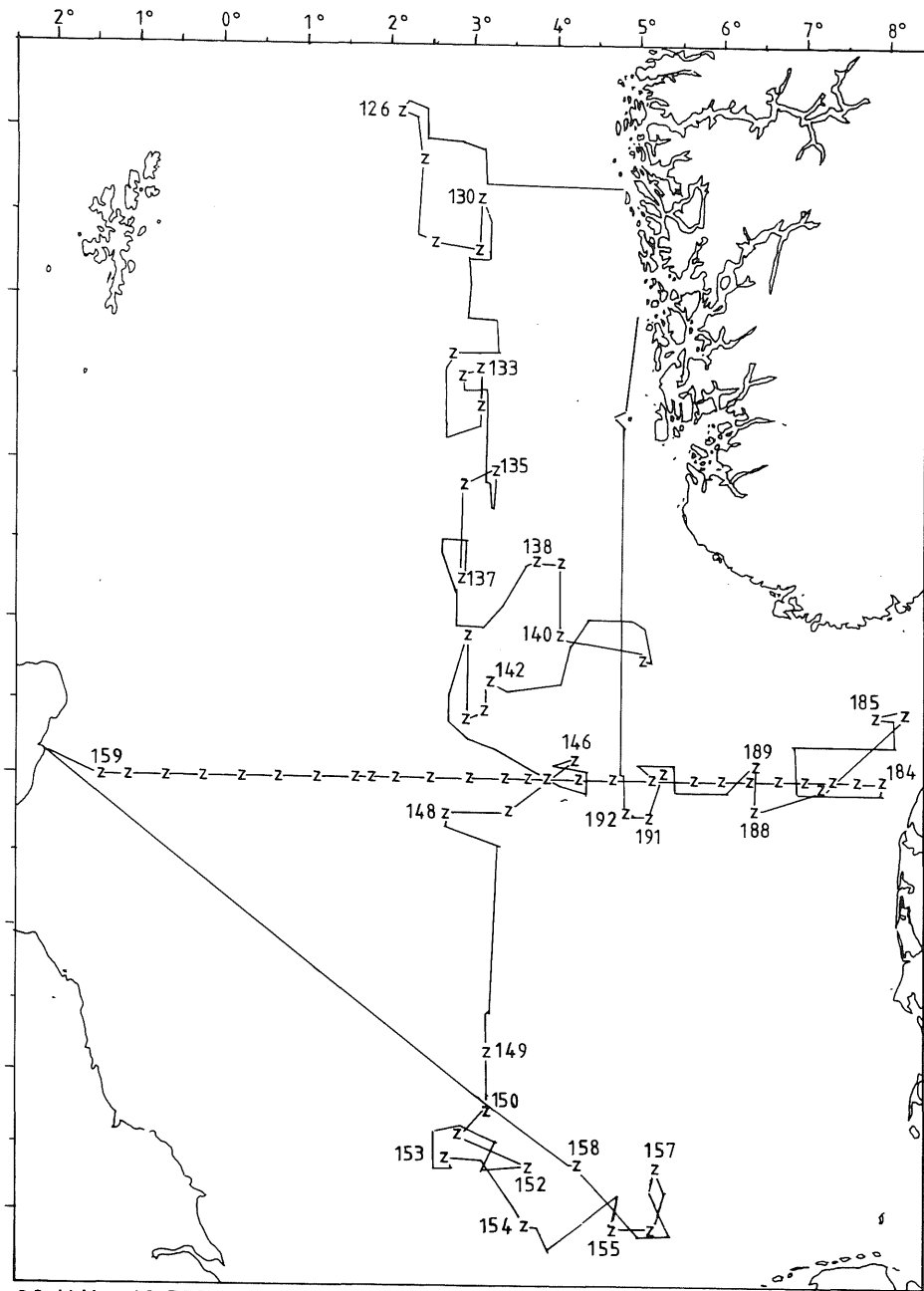


1-13 DEC. 1985 ST. NO. 1354 - 1424 "MICHAEL SARS"

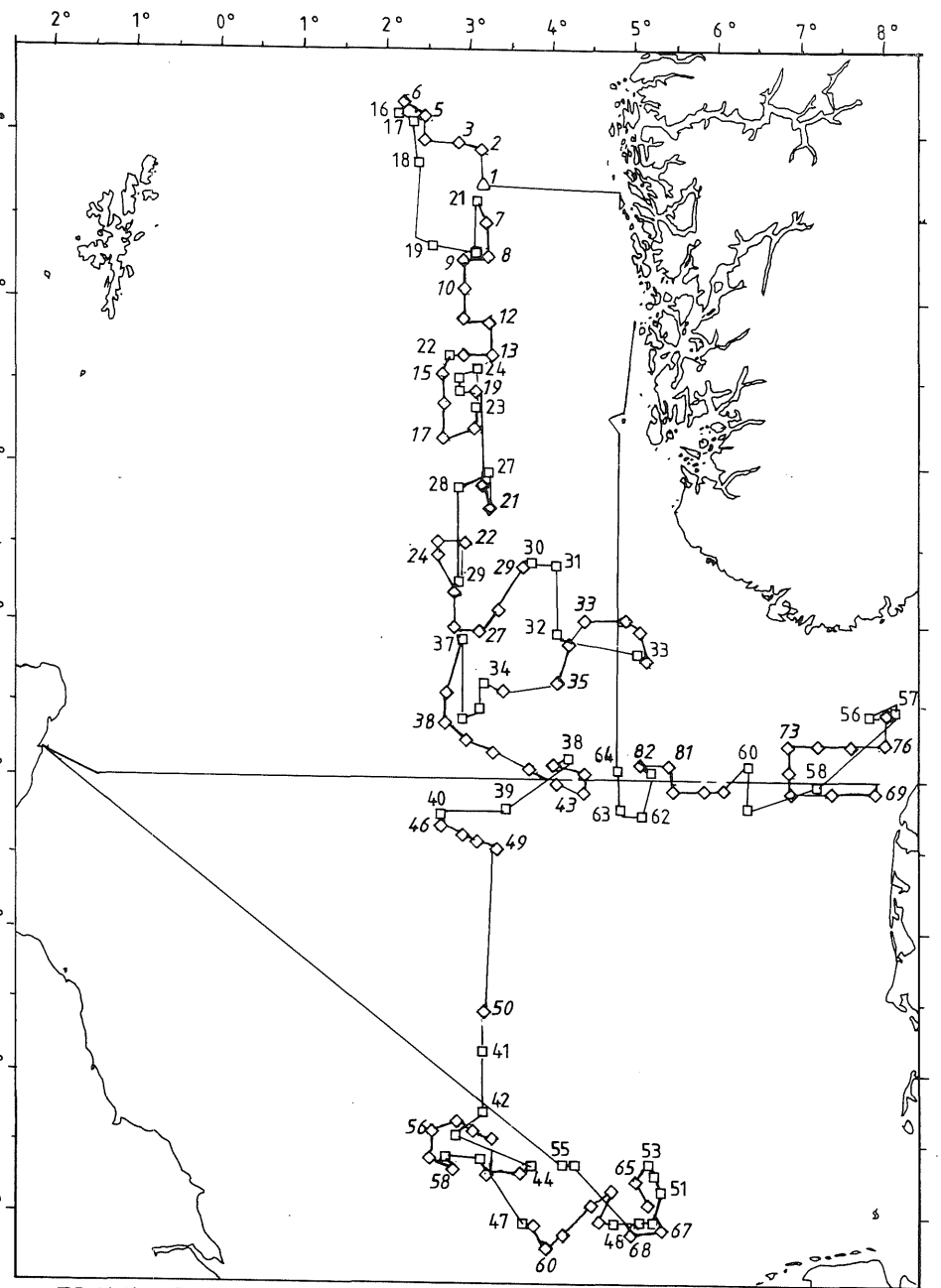


1-13 DEC. 1985 TRAWL ST.NO. 654-684 "MICHAEL SARS"



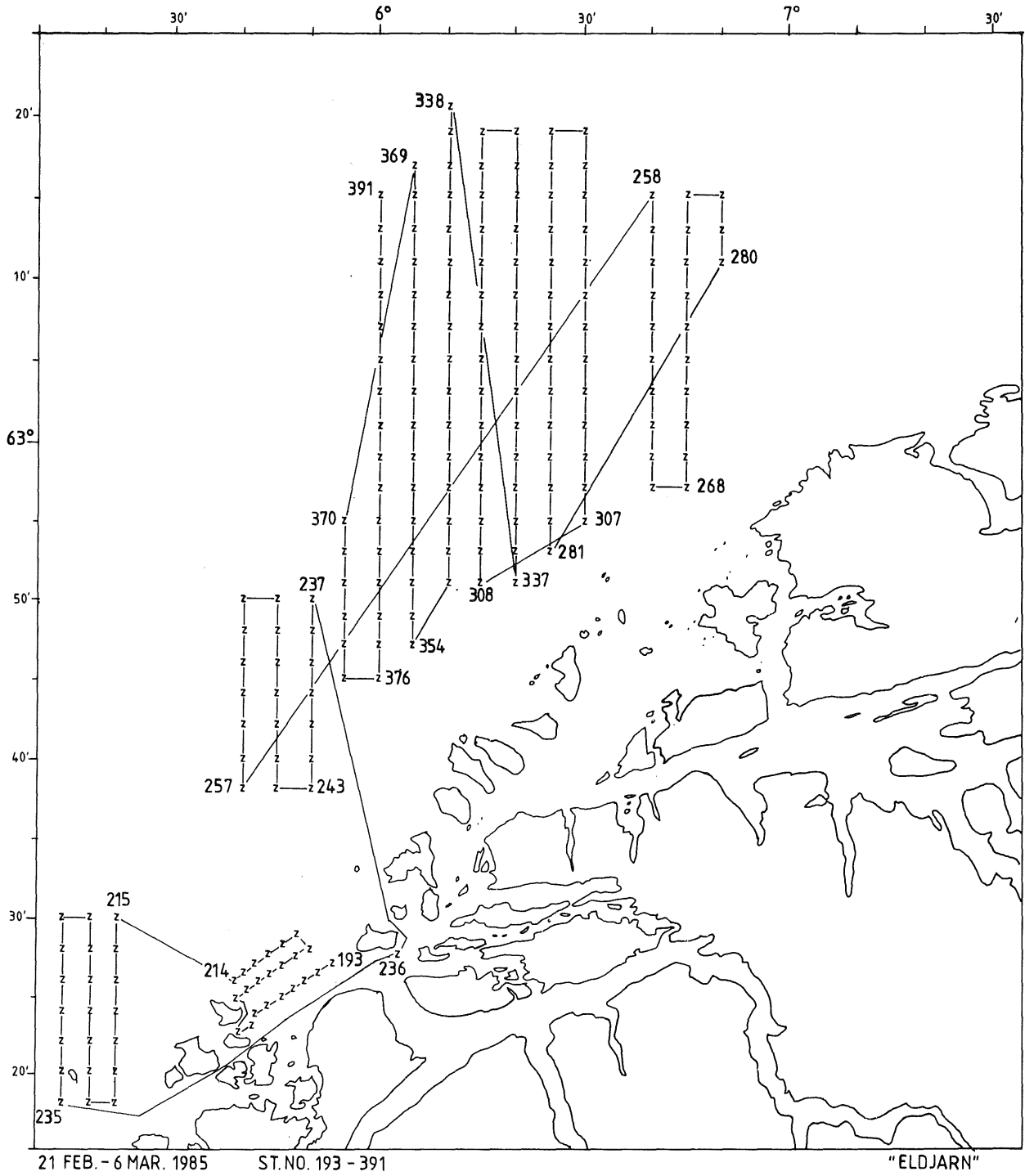


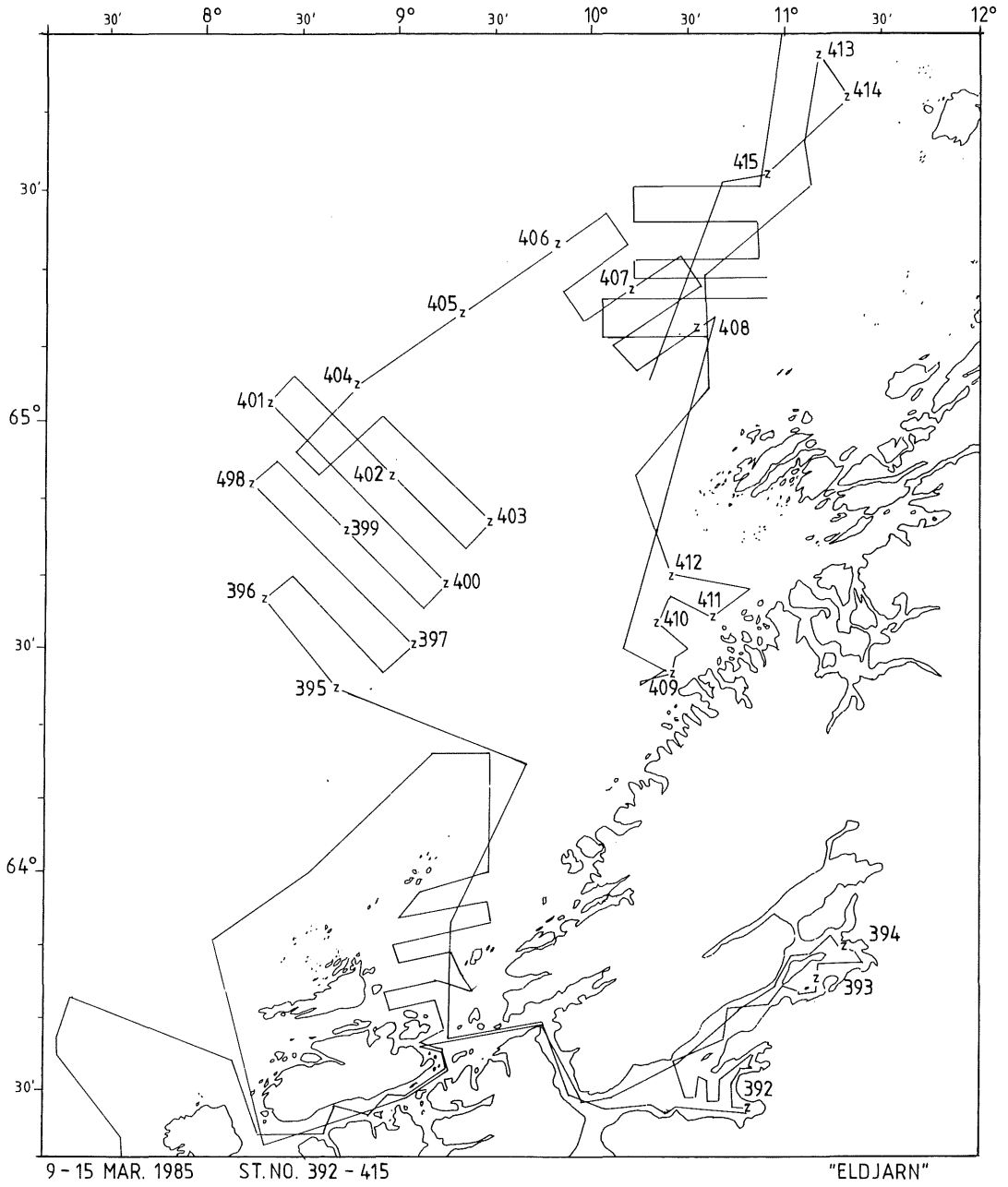
28 JAN. - 18 FEB. 1985 ST. NO. 126-192

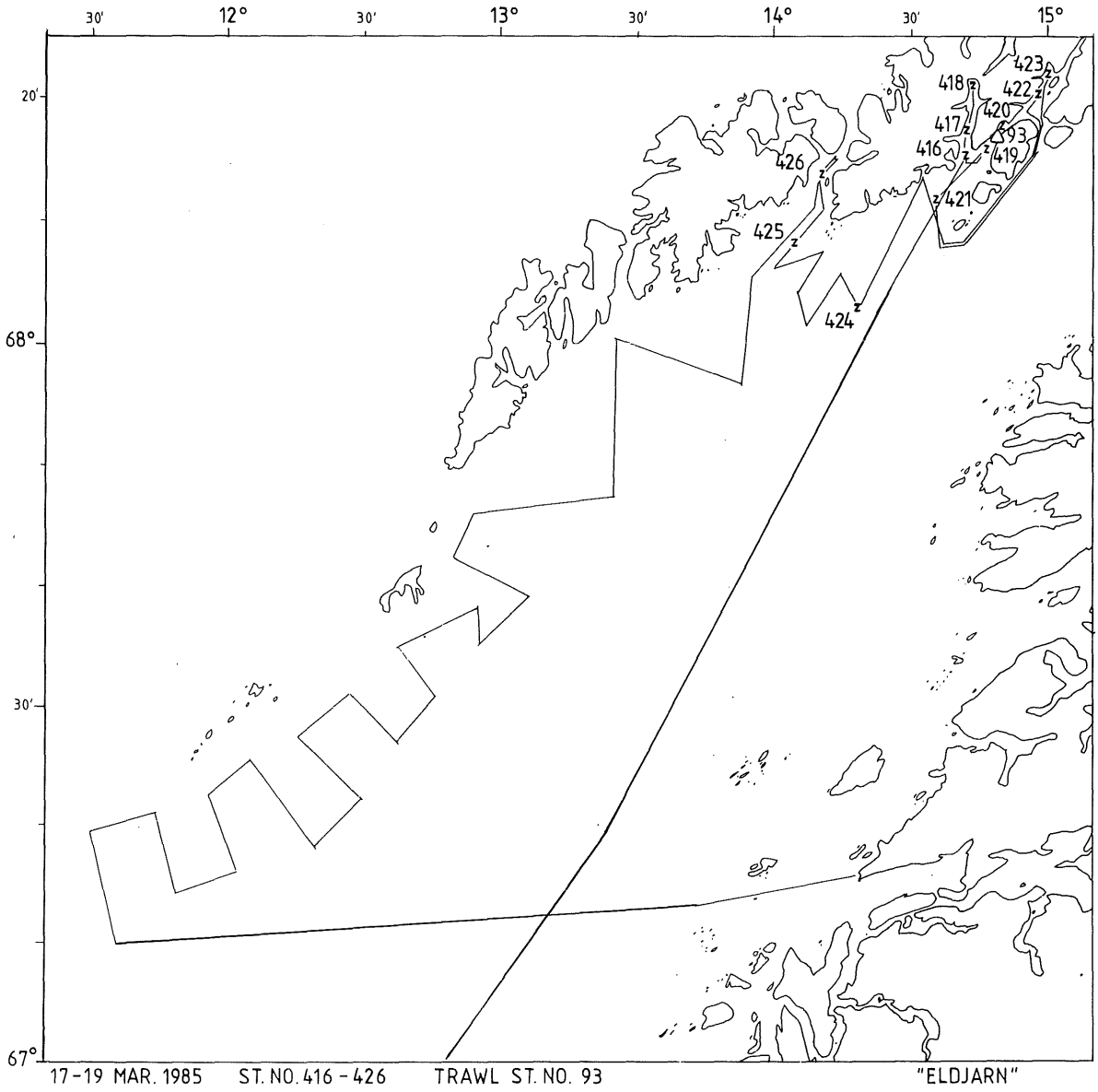


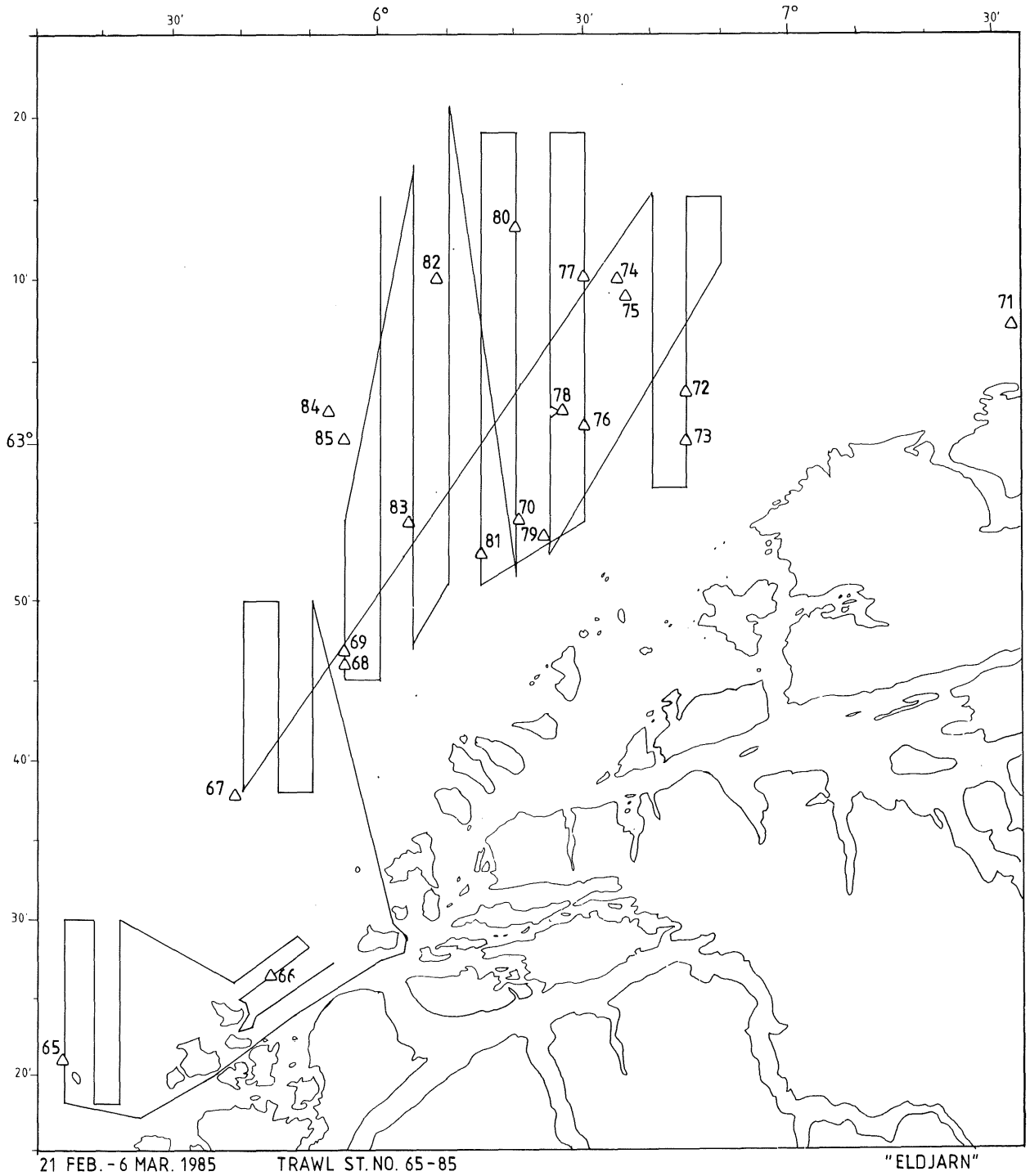
TRAWL ST. NO. 16-64 ISAK KIDD 1-82 "ELDJARN"

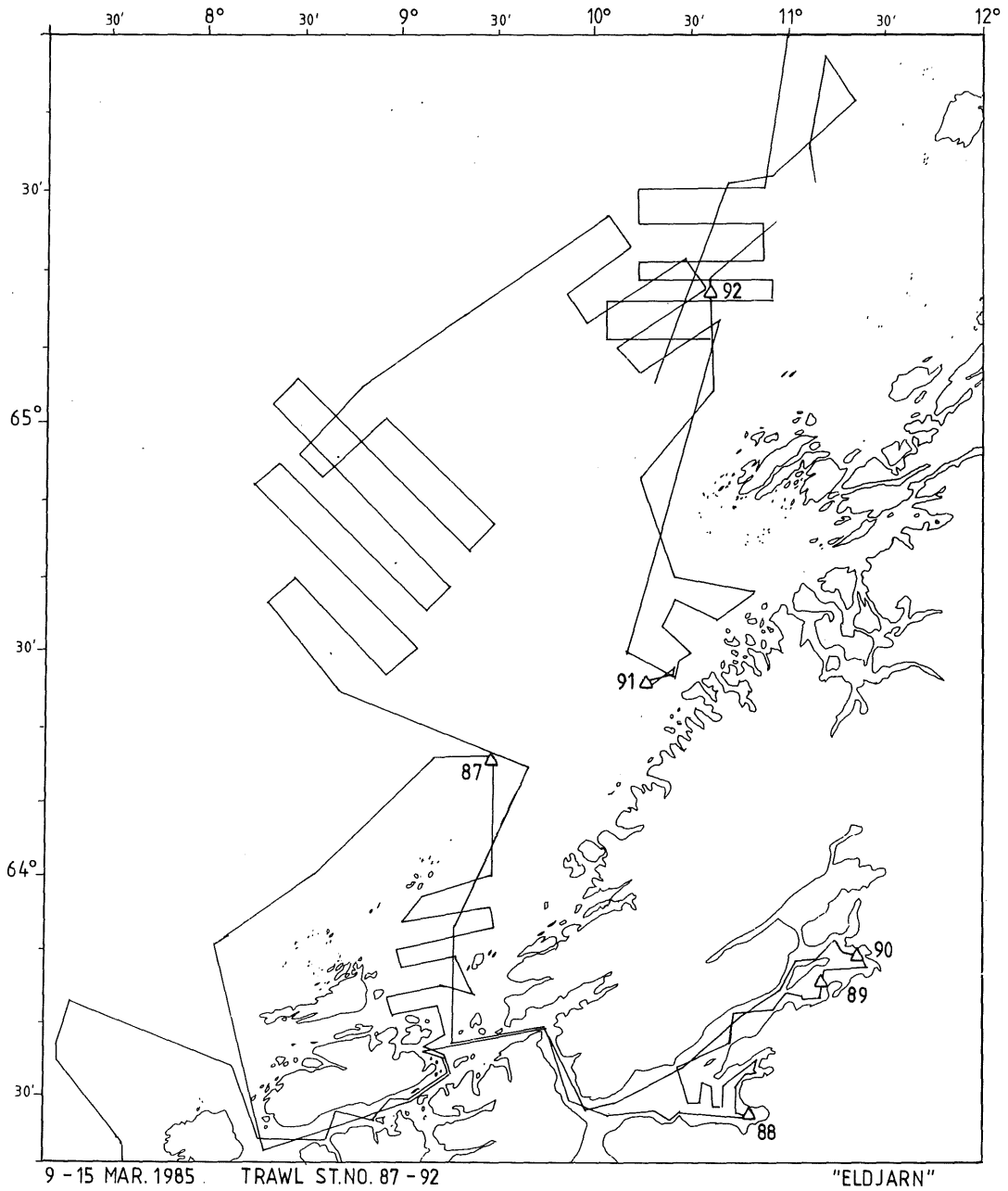
47

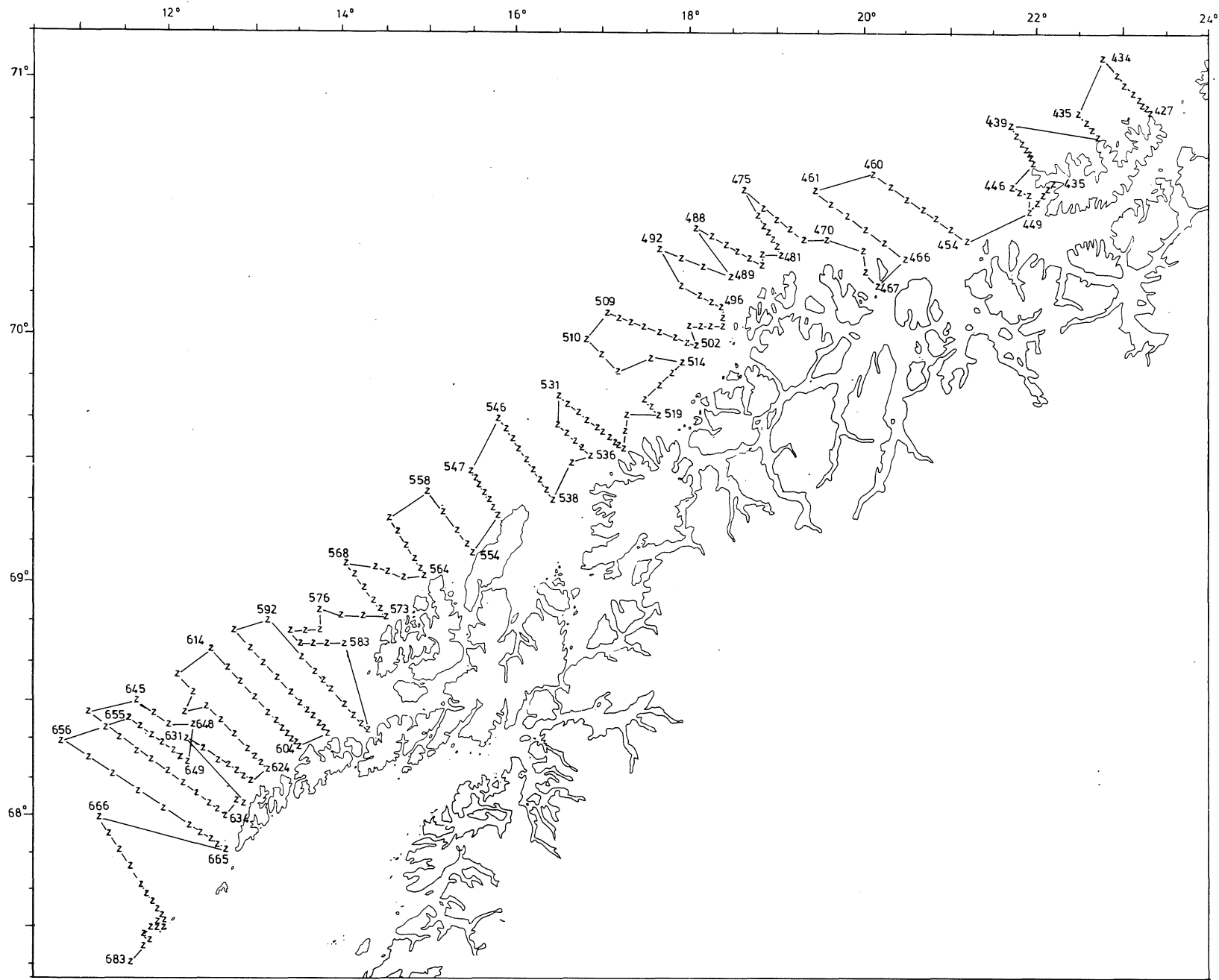








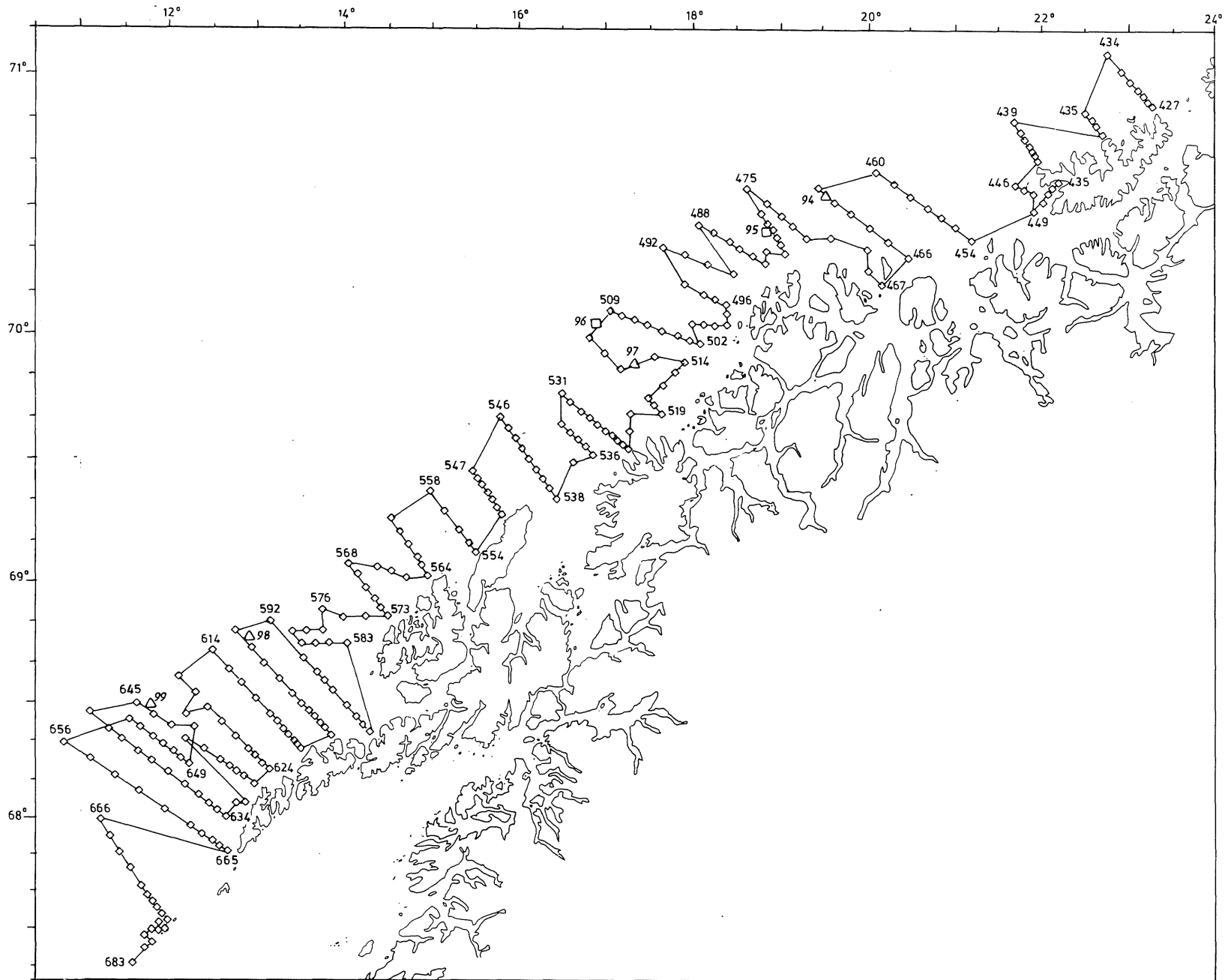




21 - 30 MAR. 1985

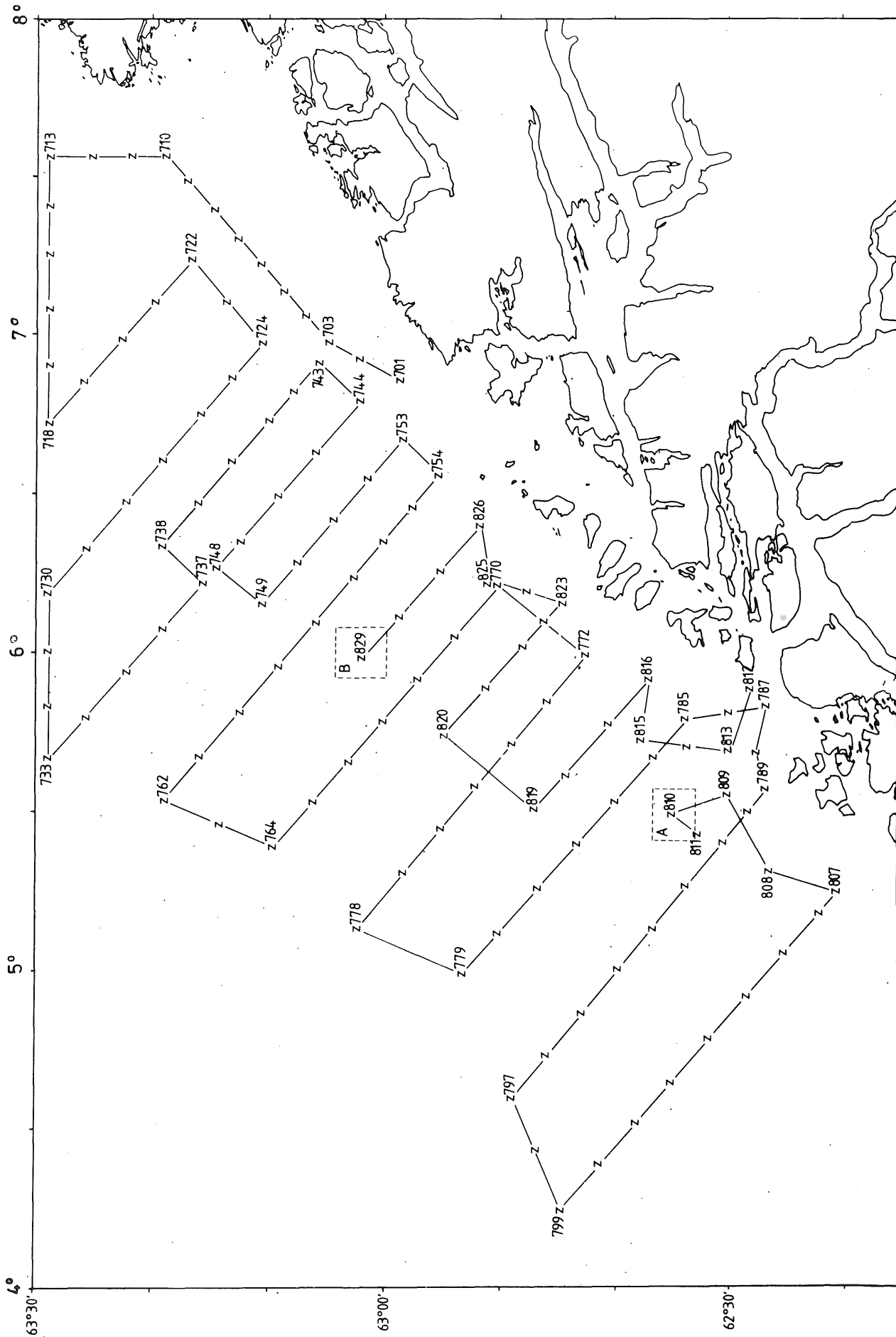
ST. NO. 427-683

"ELDJARN"



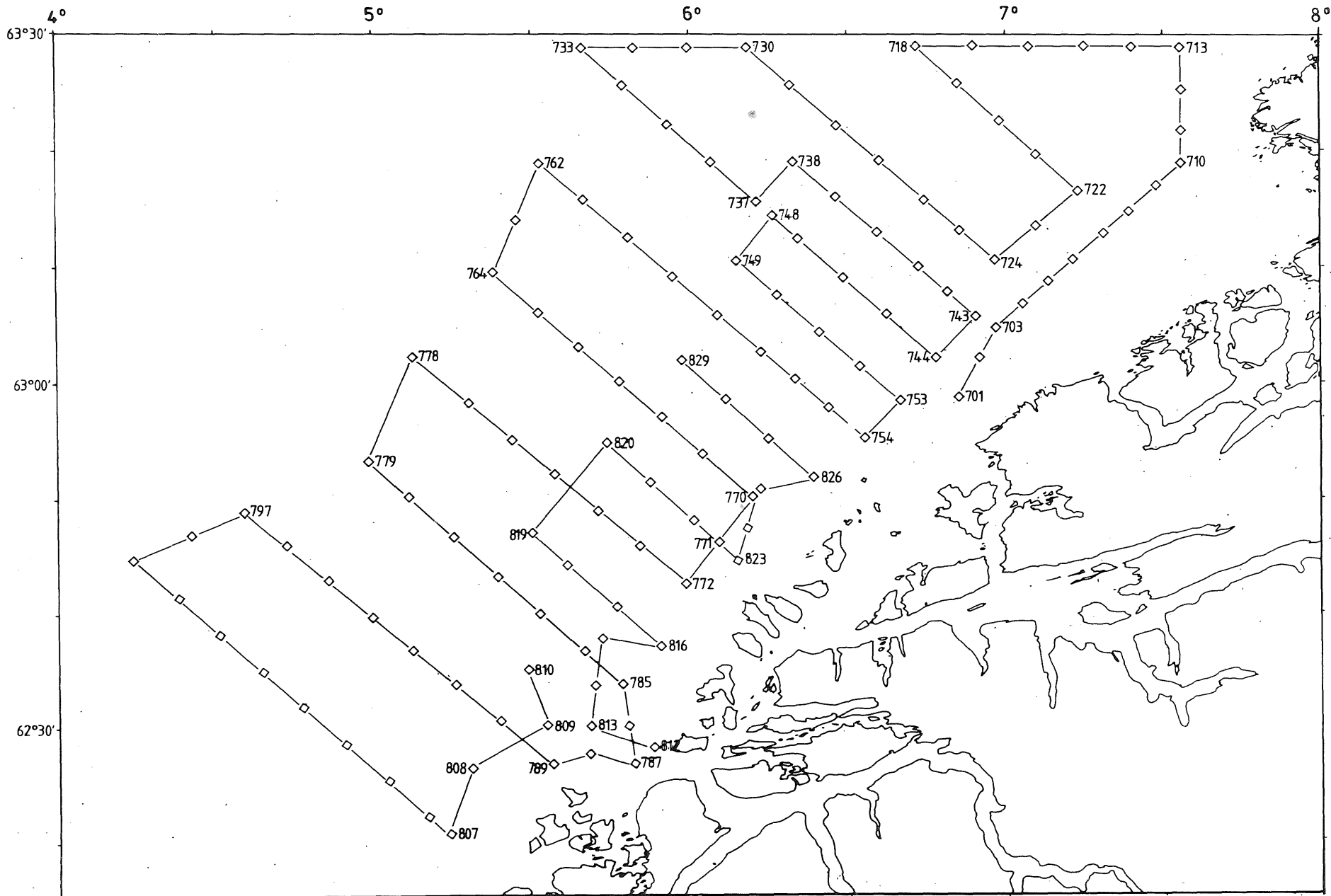
21 - 30 MAR. 1985 TRAWL ST. NO. 94 - 99 PLANKTON ST. NO. 427 - 683

"ELDJARN"



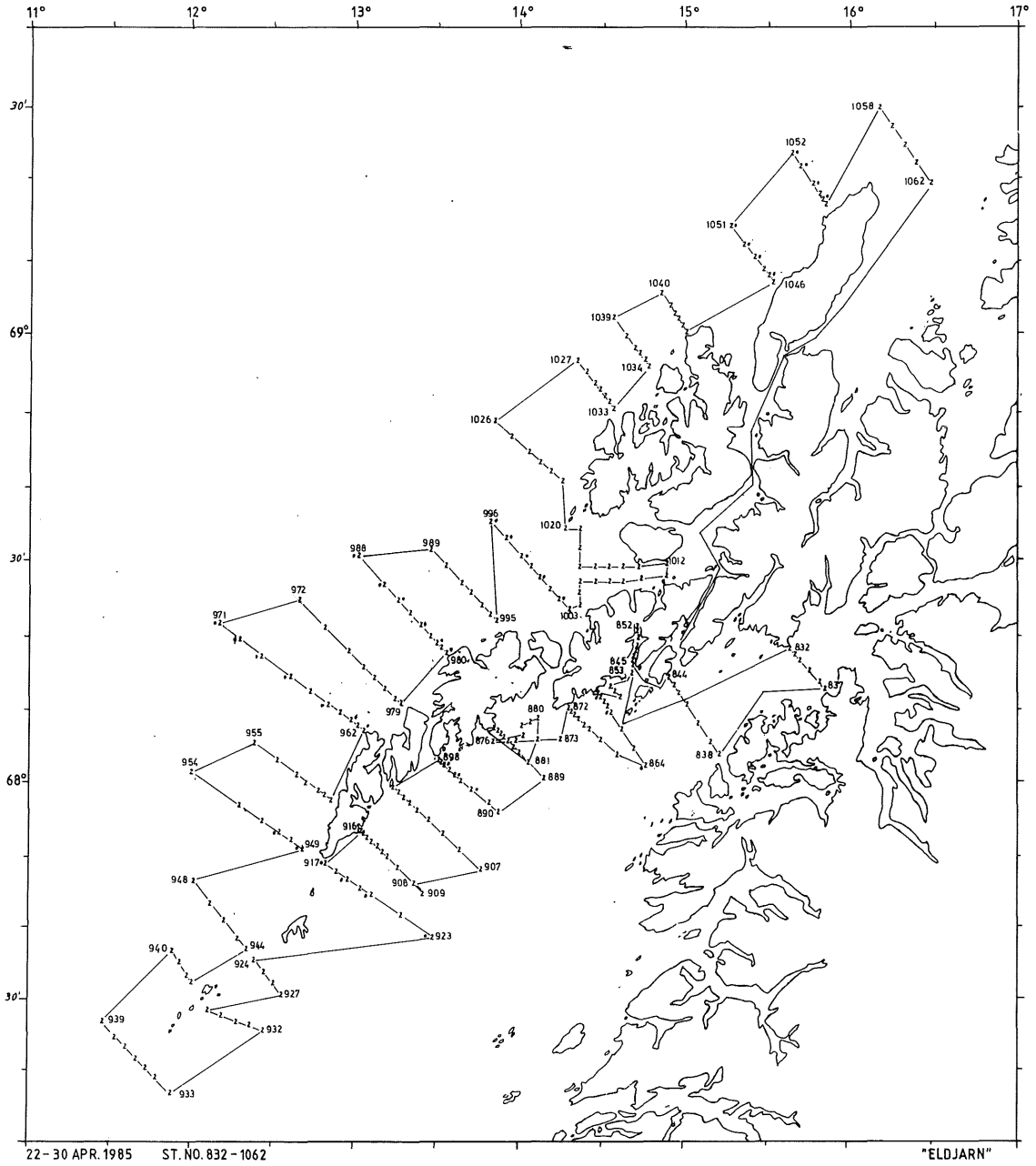
"ELDJARN"

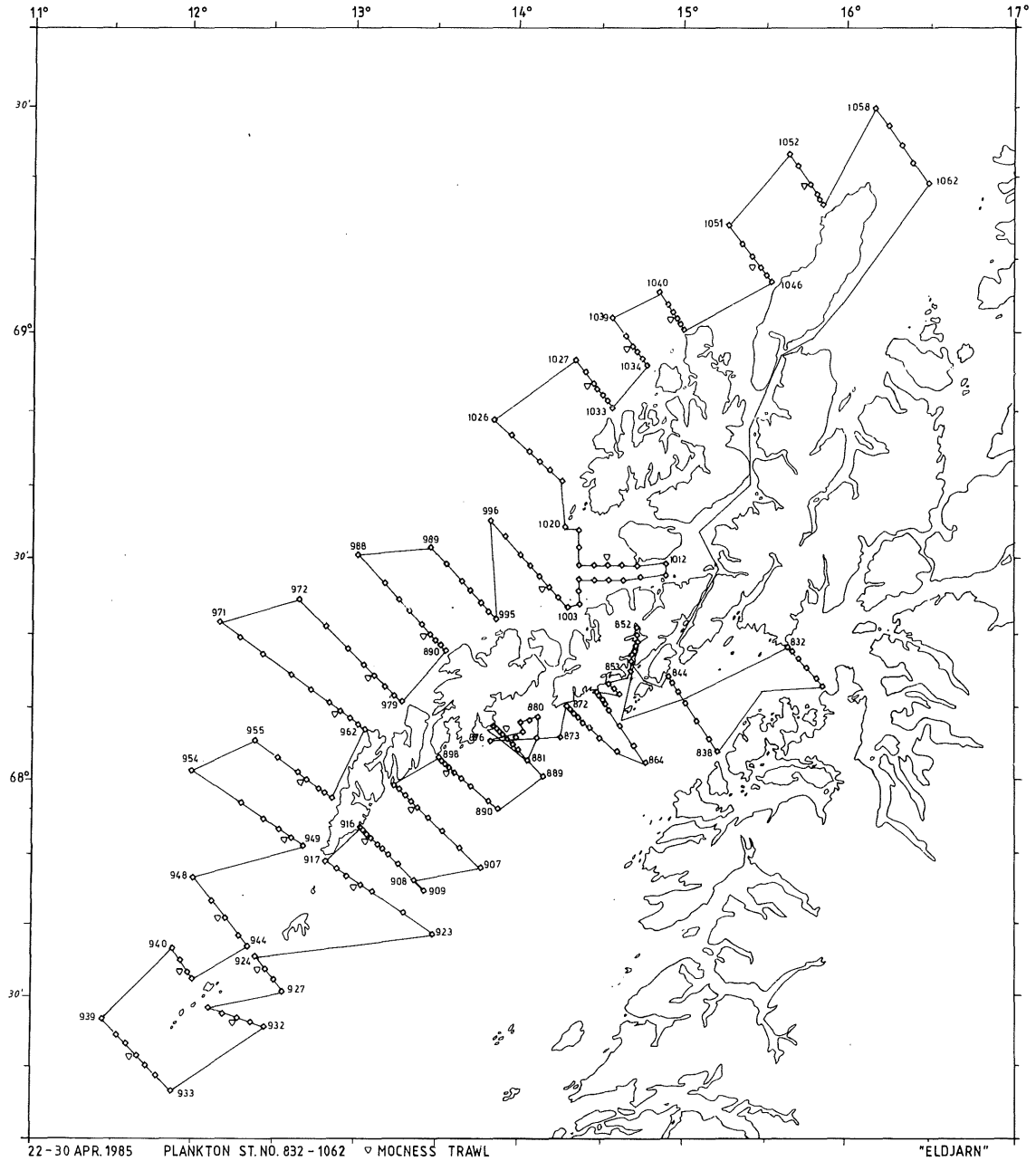
9-19 APR. 1985 ST.NO. 701-829

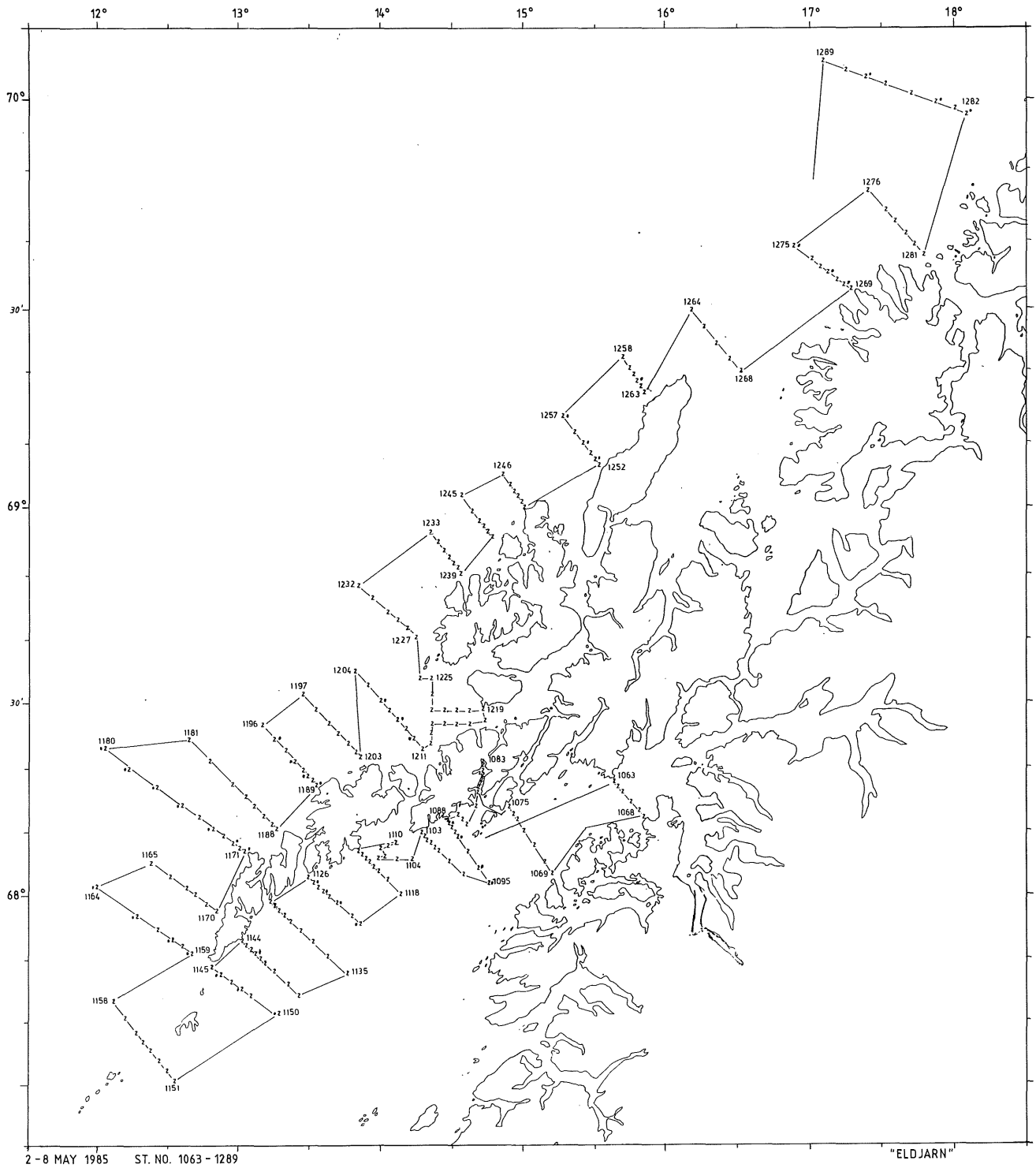


9 - 19 APR. 1985, PLANKTON ST. NO. 701 - 829

"ELDJAR"

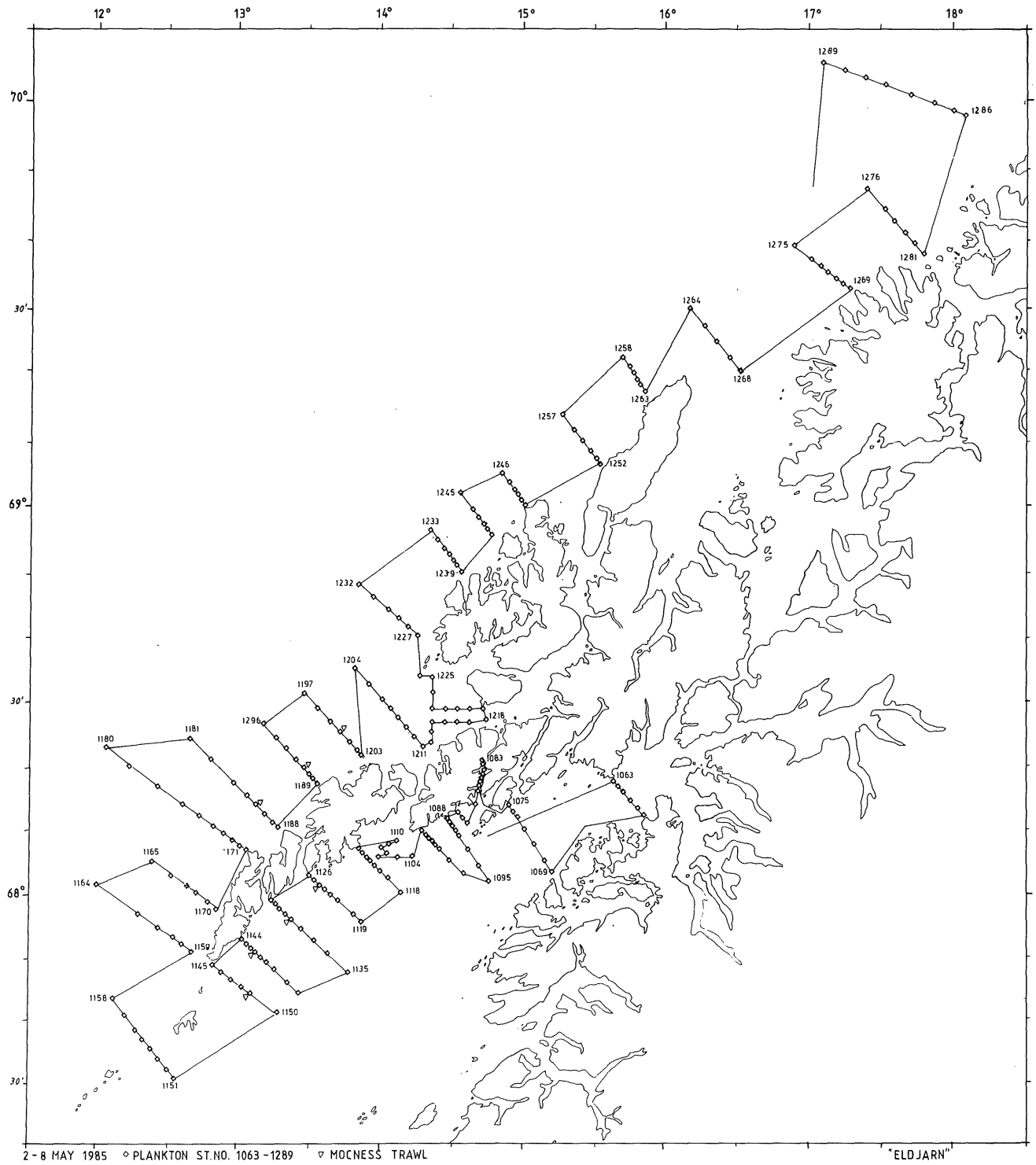


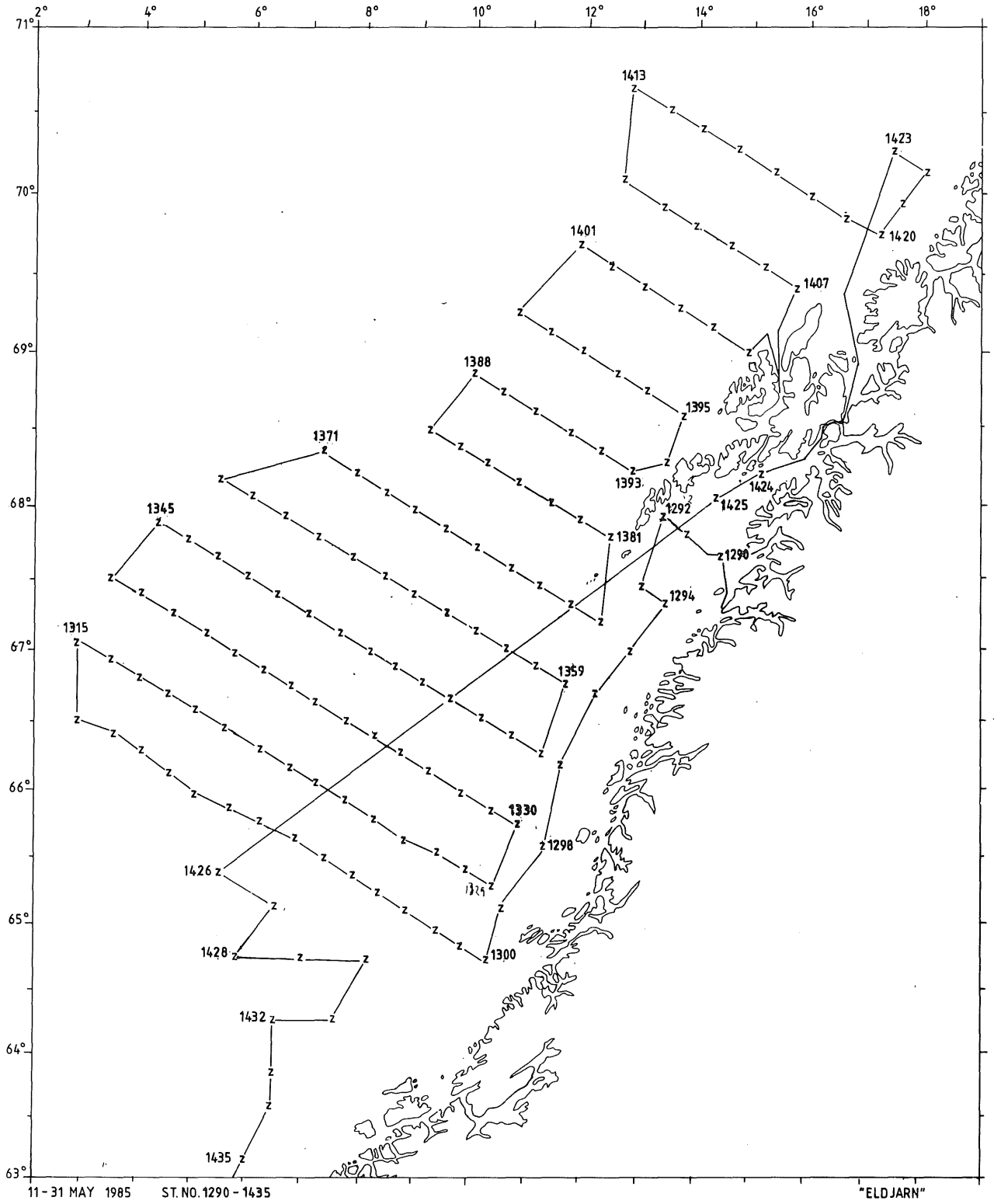


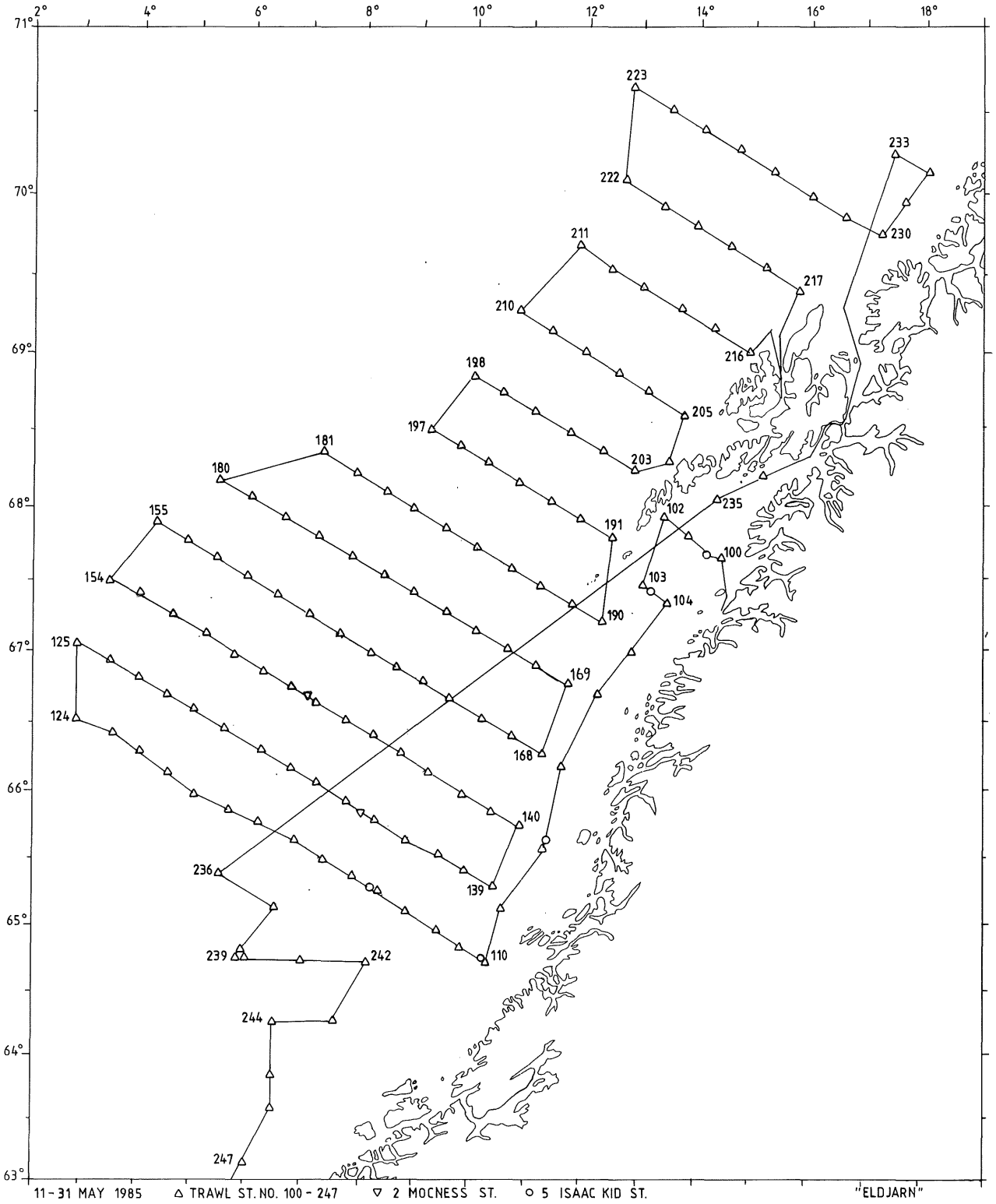


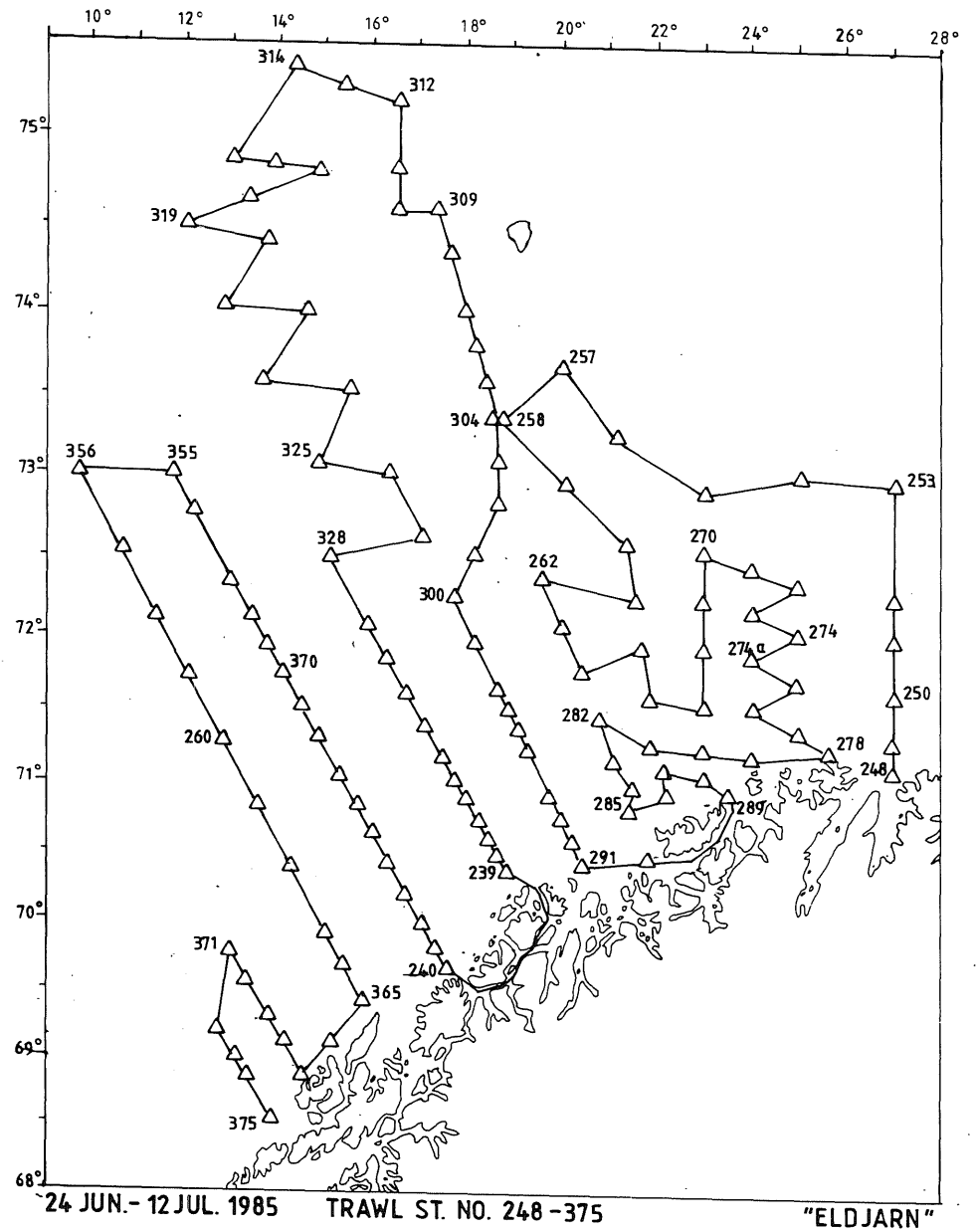
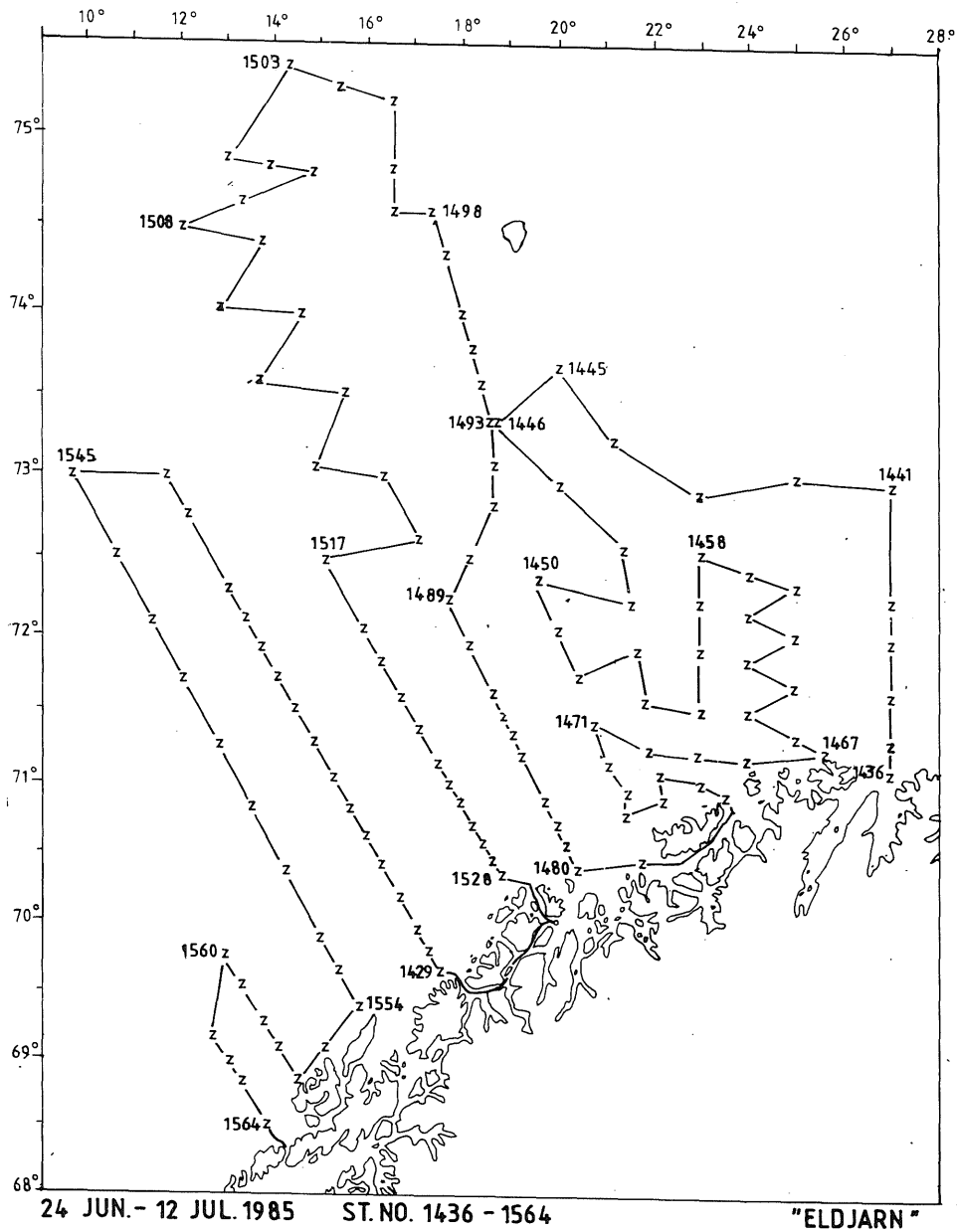
2 - 8 MAY 1985 ST. NO. 1063 - 1289

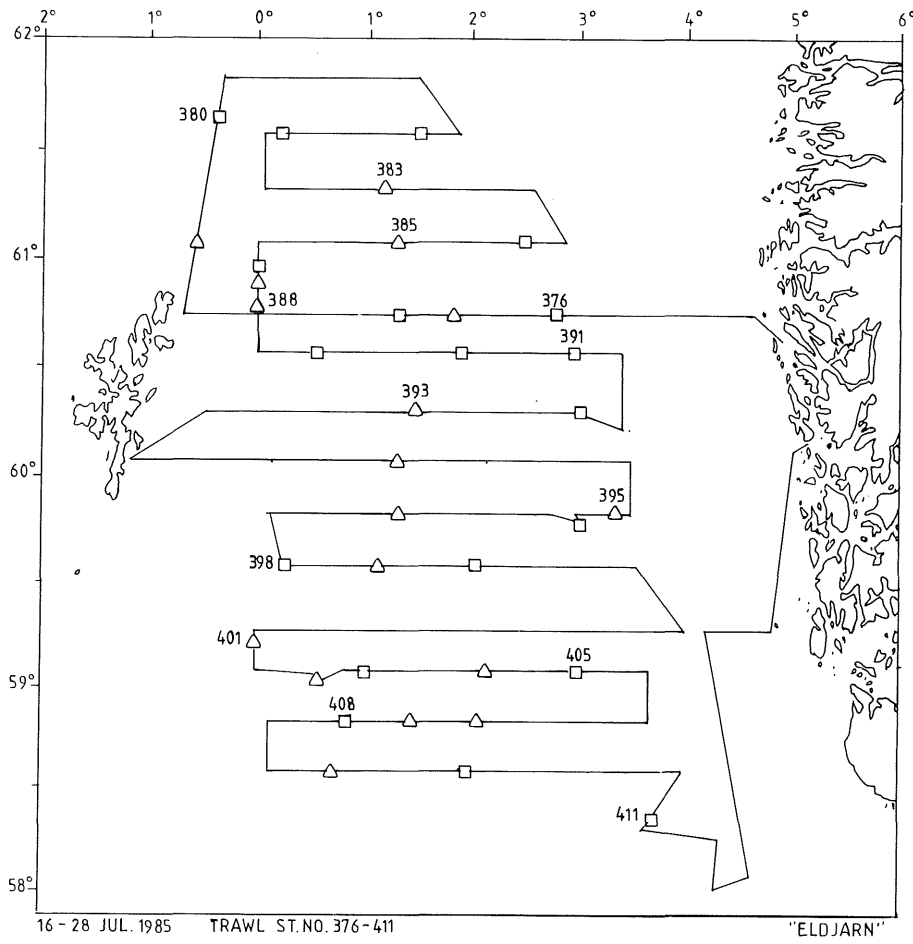
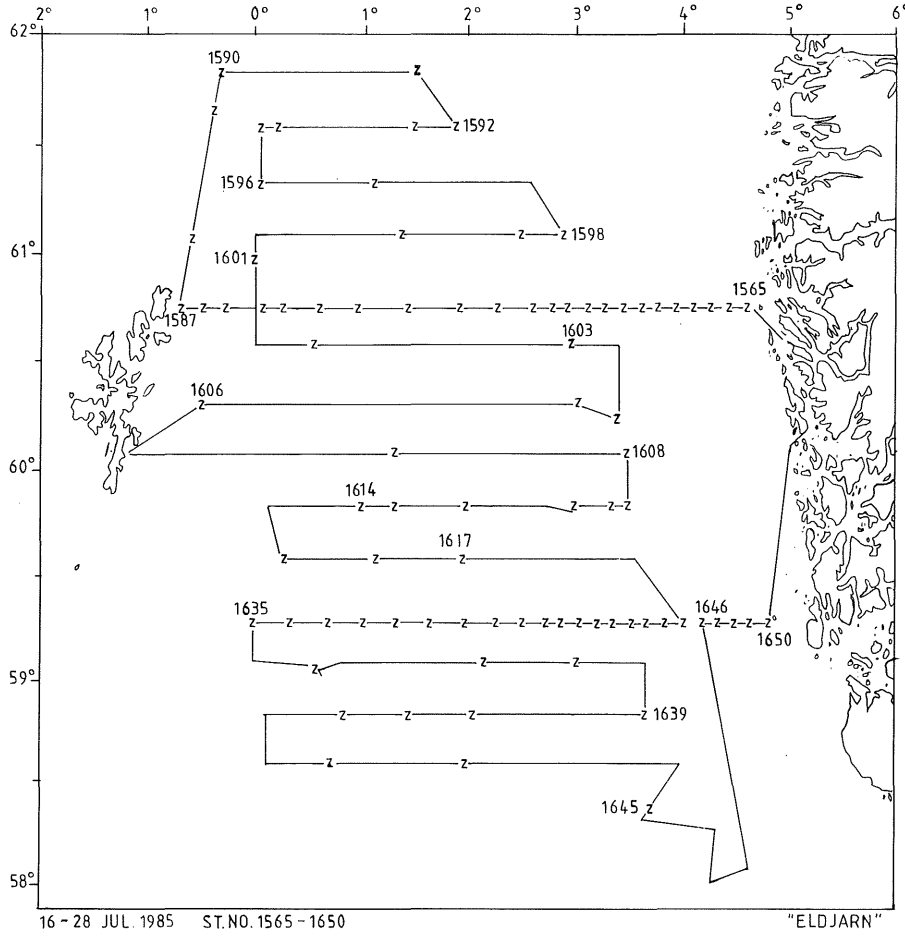
"ELD JARN"

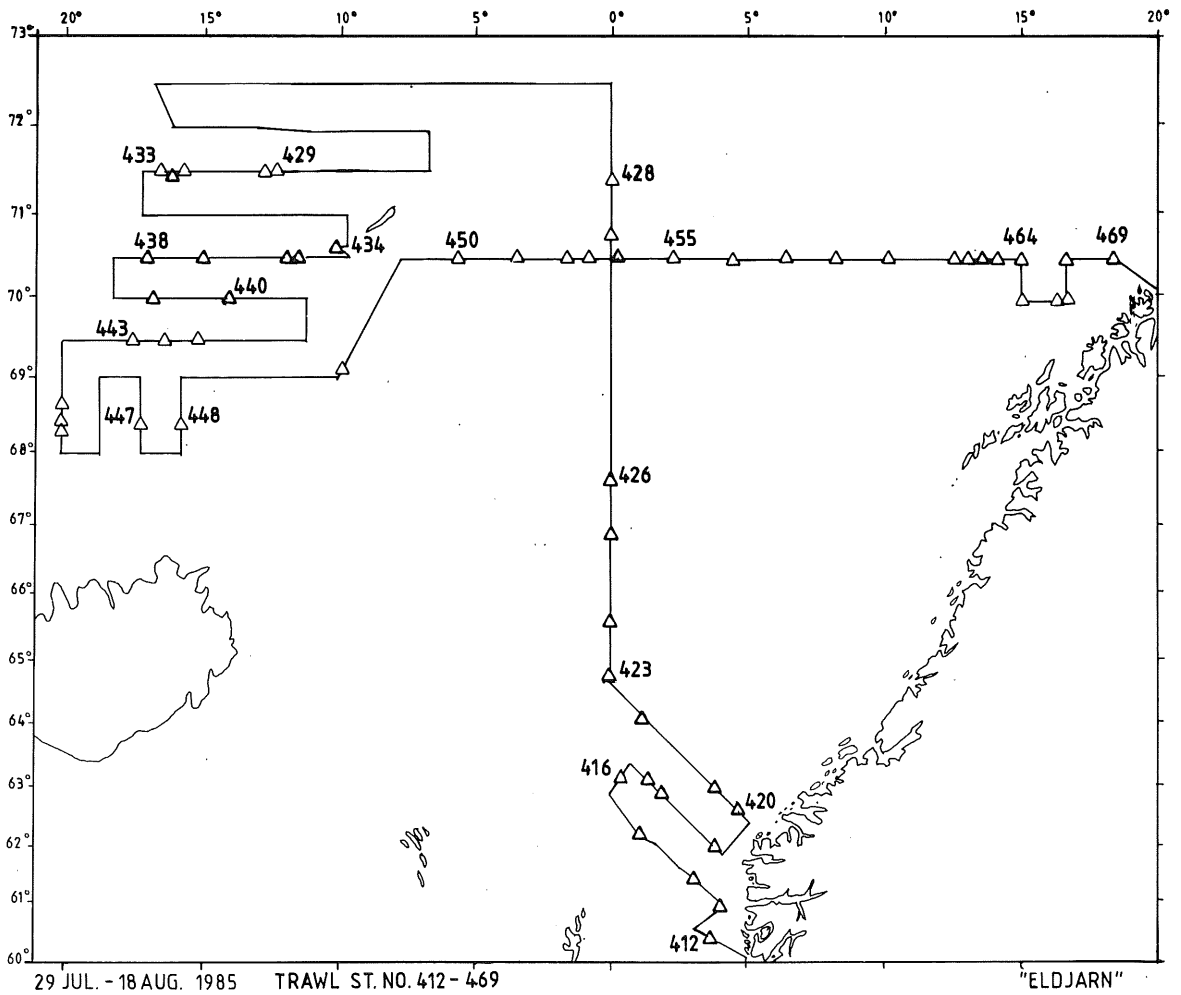
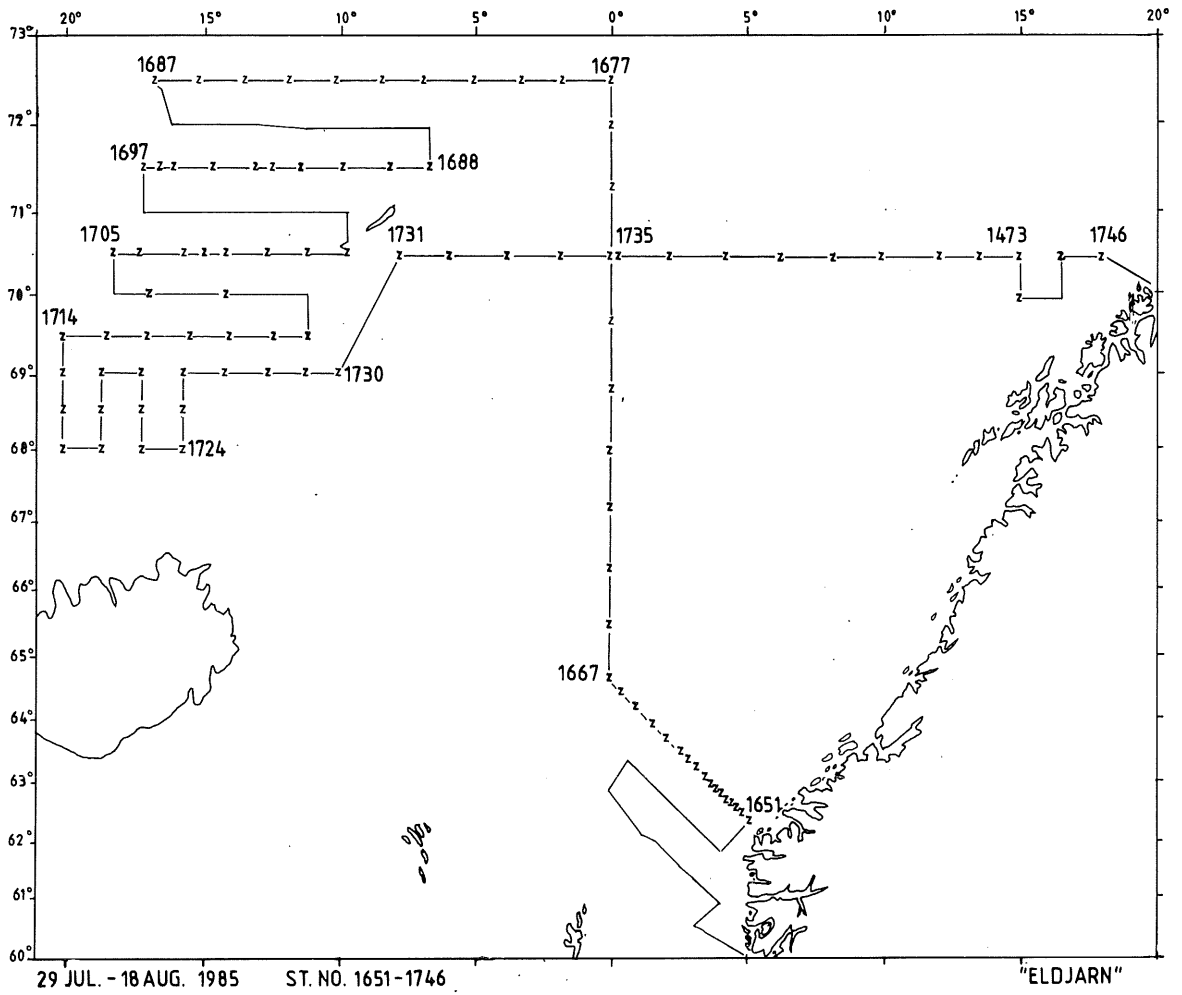


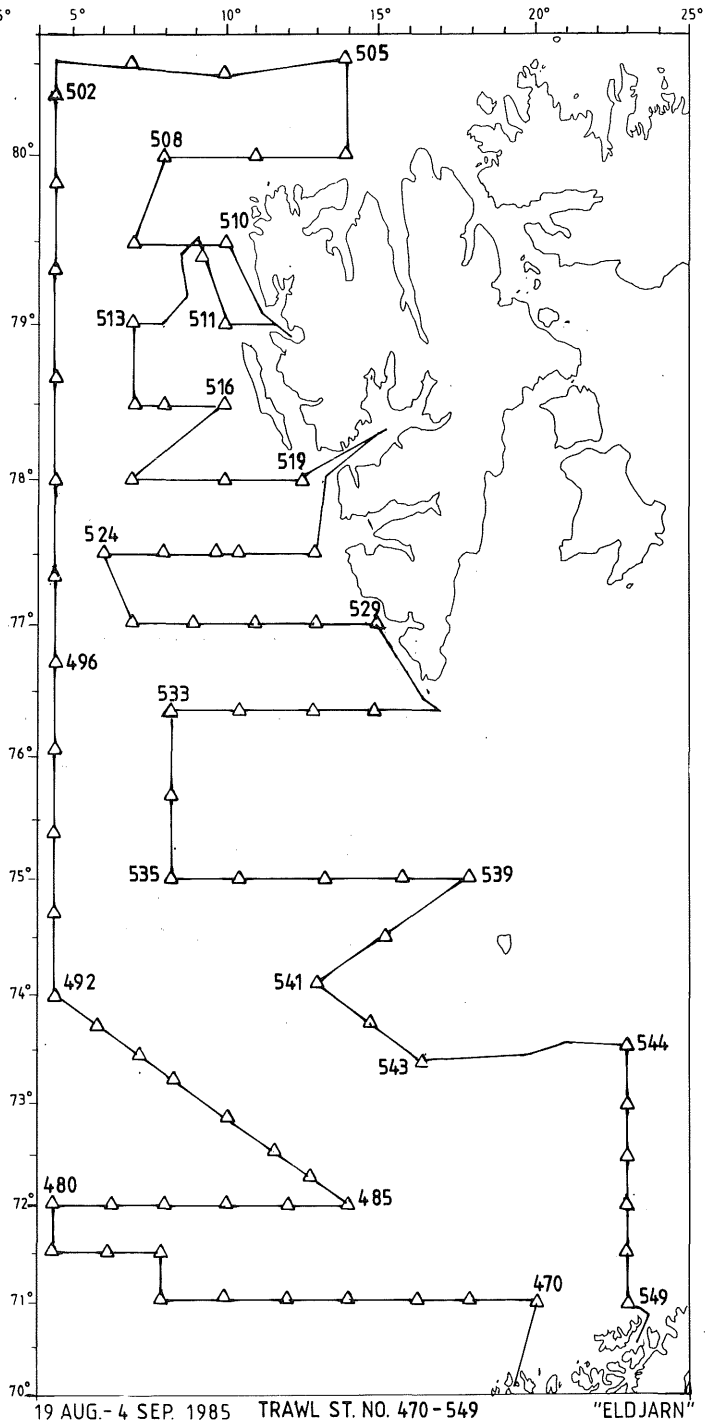
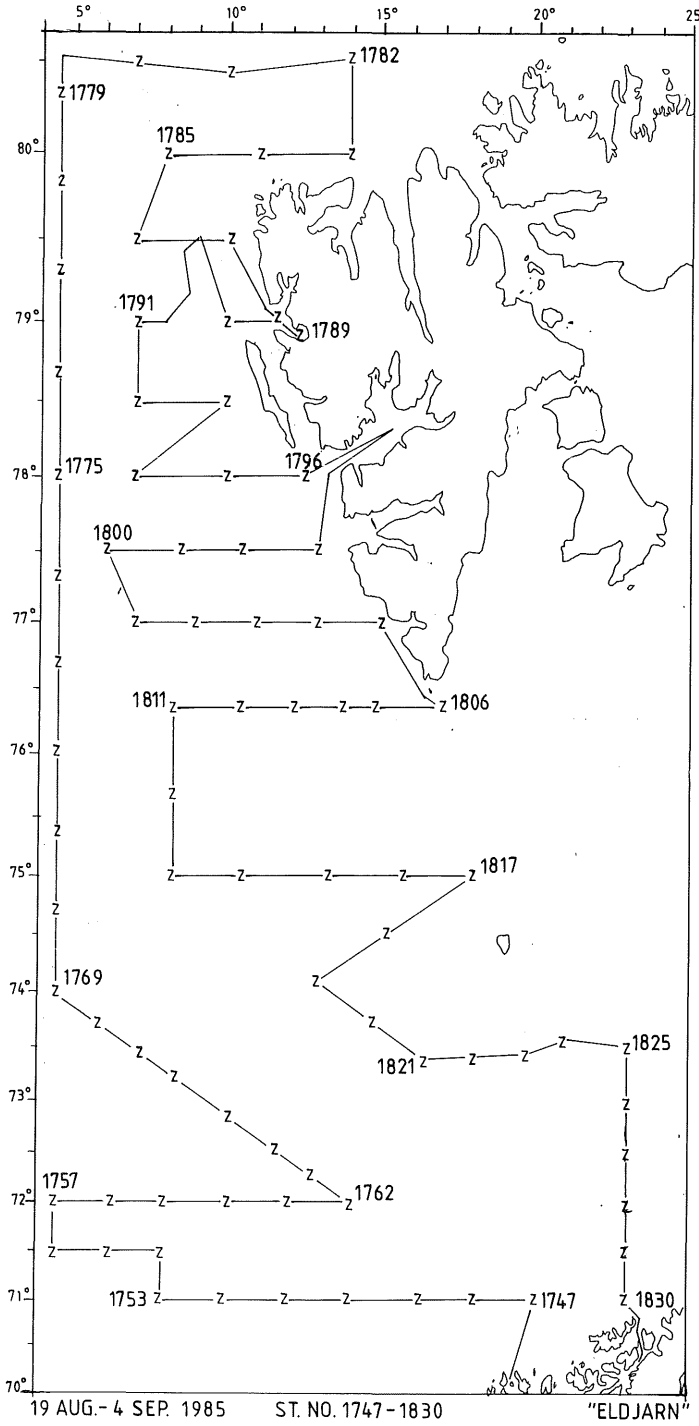


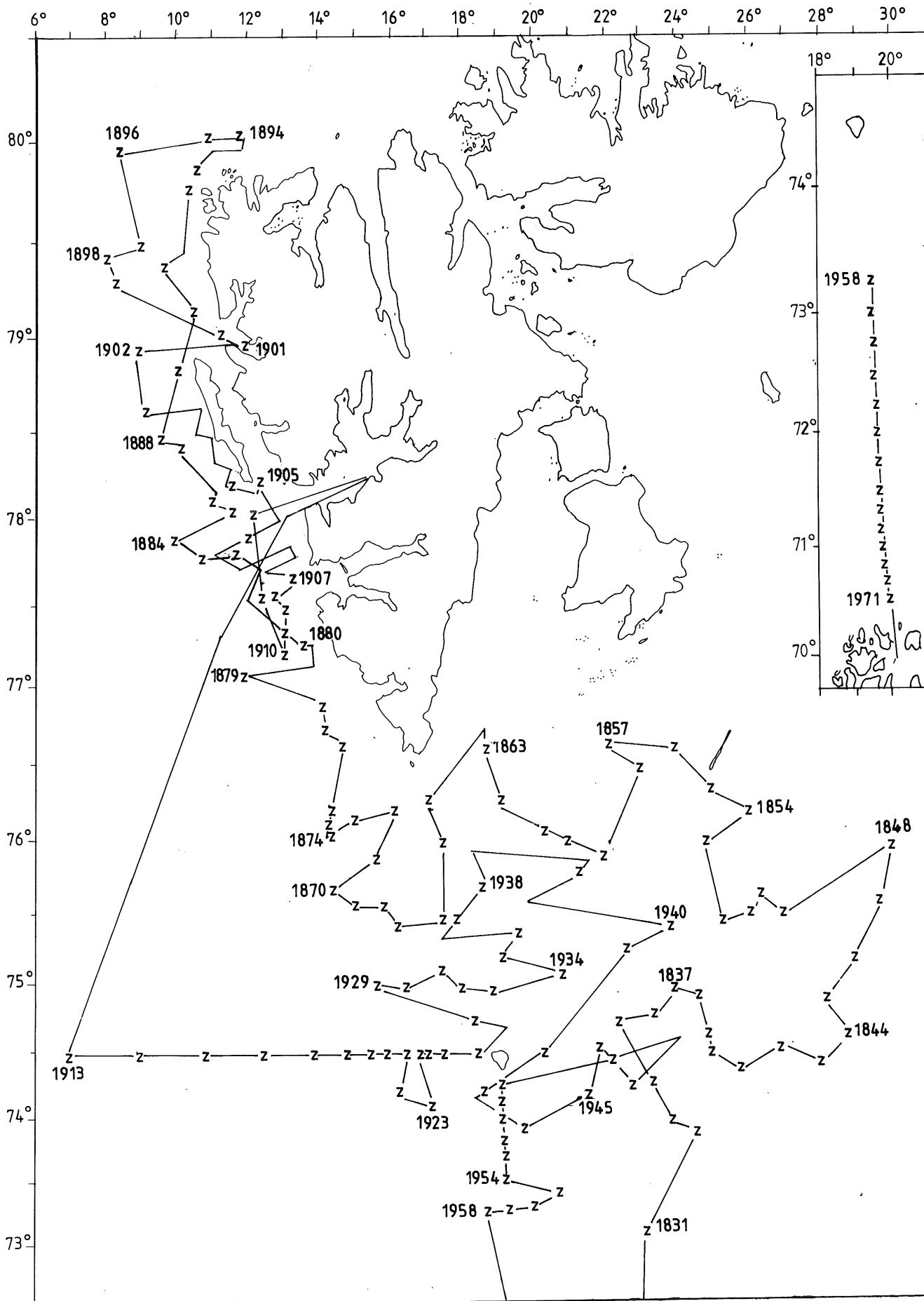








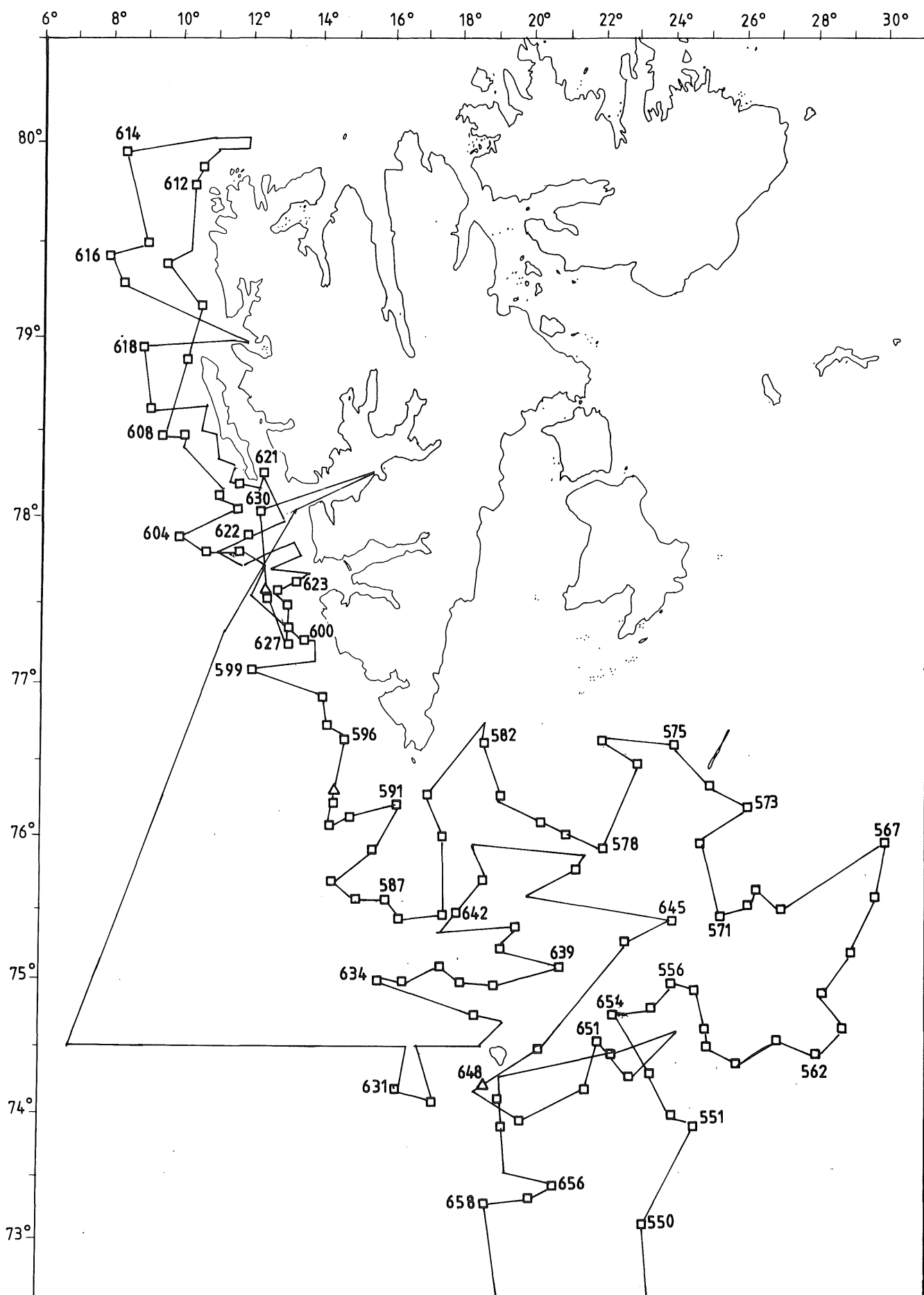




8 SEP. - 5 OCT. 1985

ST. NO. 1831-1971

"ELD JARN"

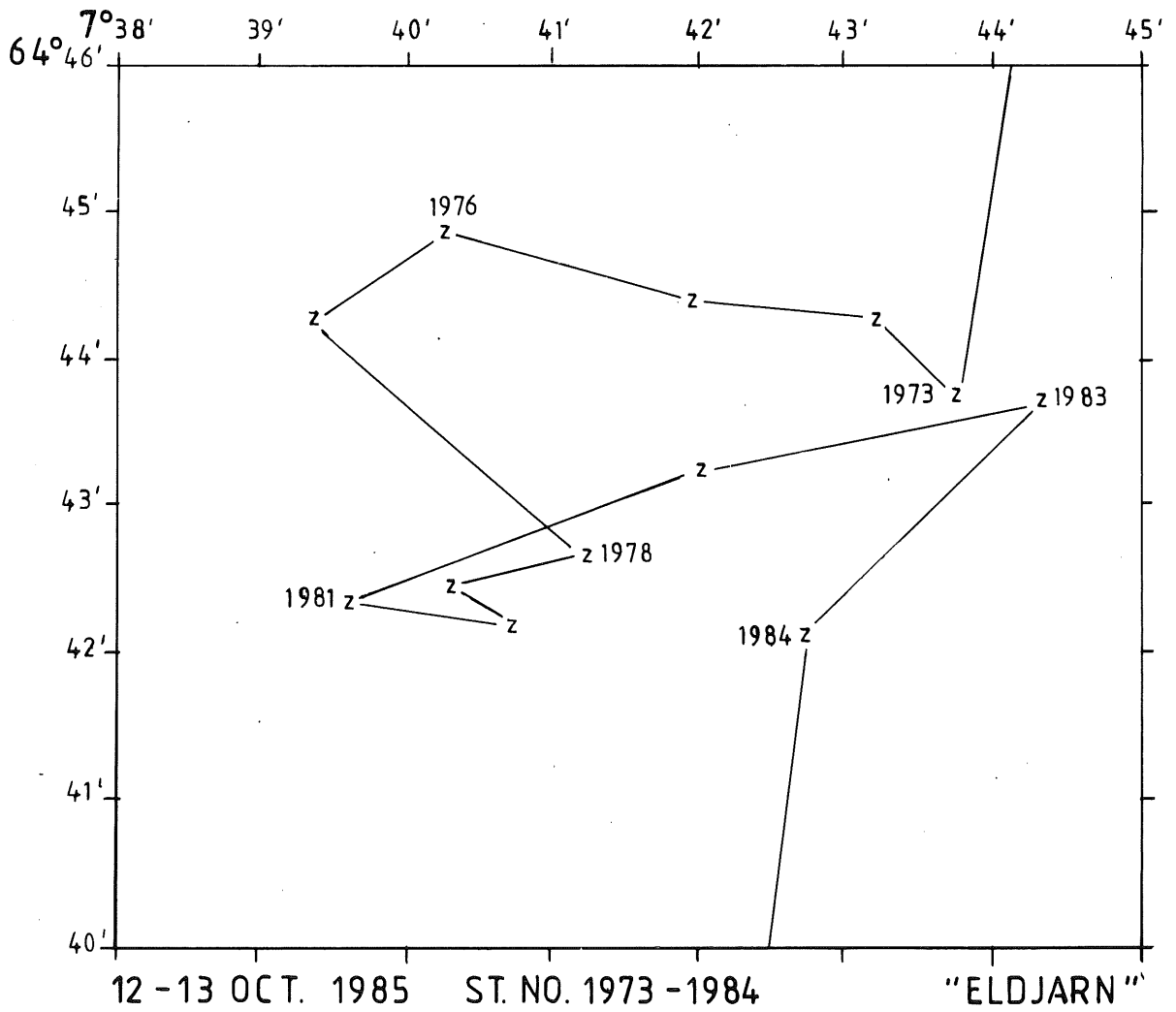


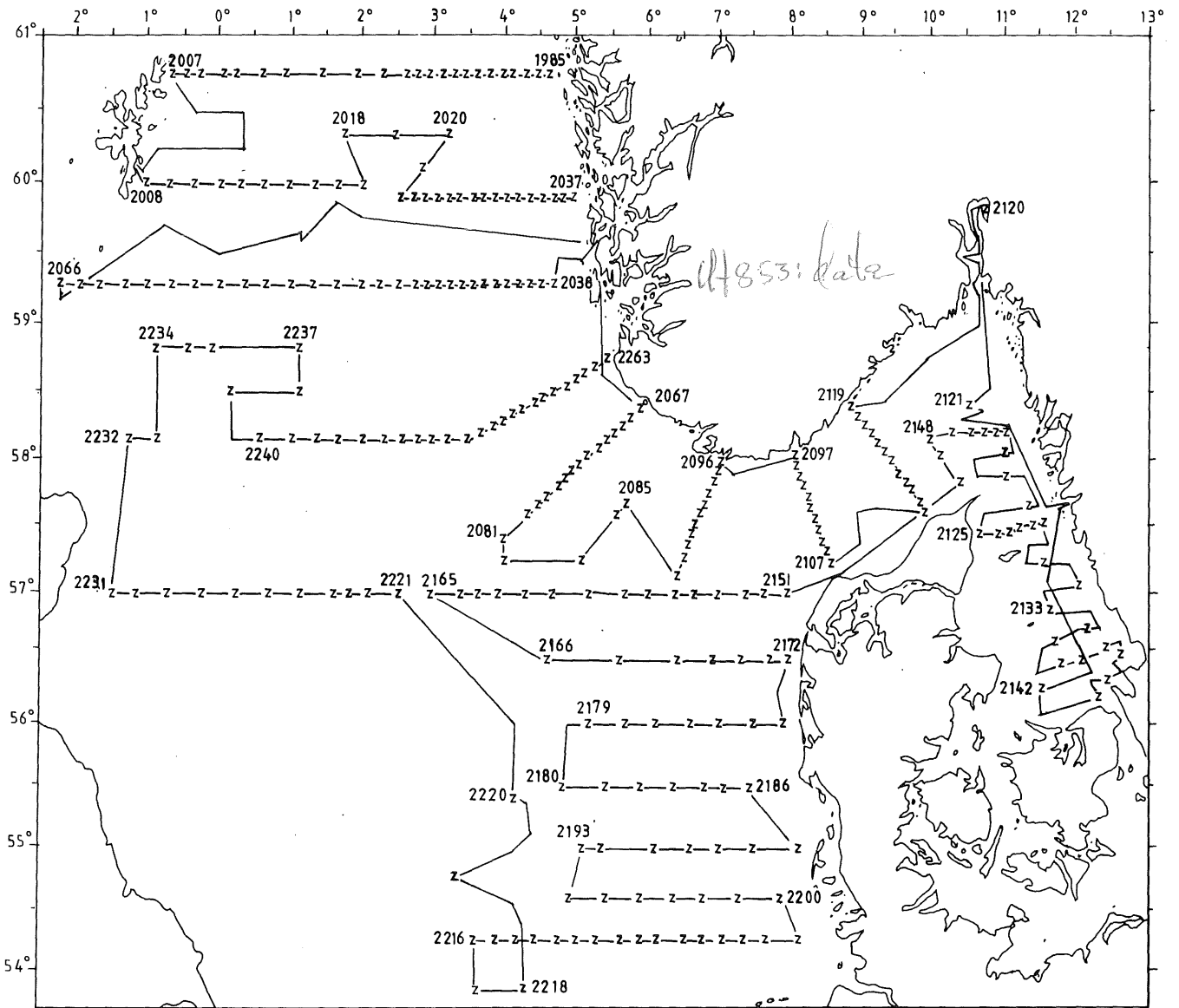
8 SEP - 5 OCT. 1985

TRAWL ST. NO. 550 - 658

"ELDJARN"

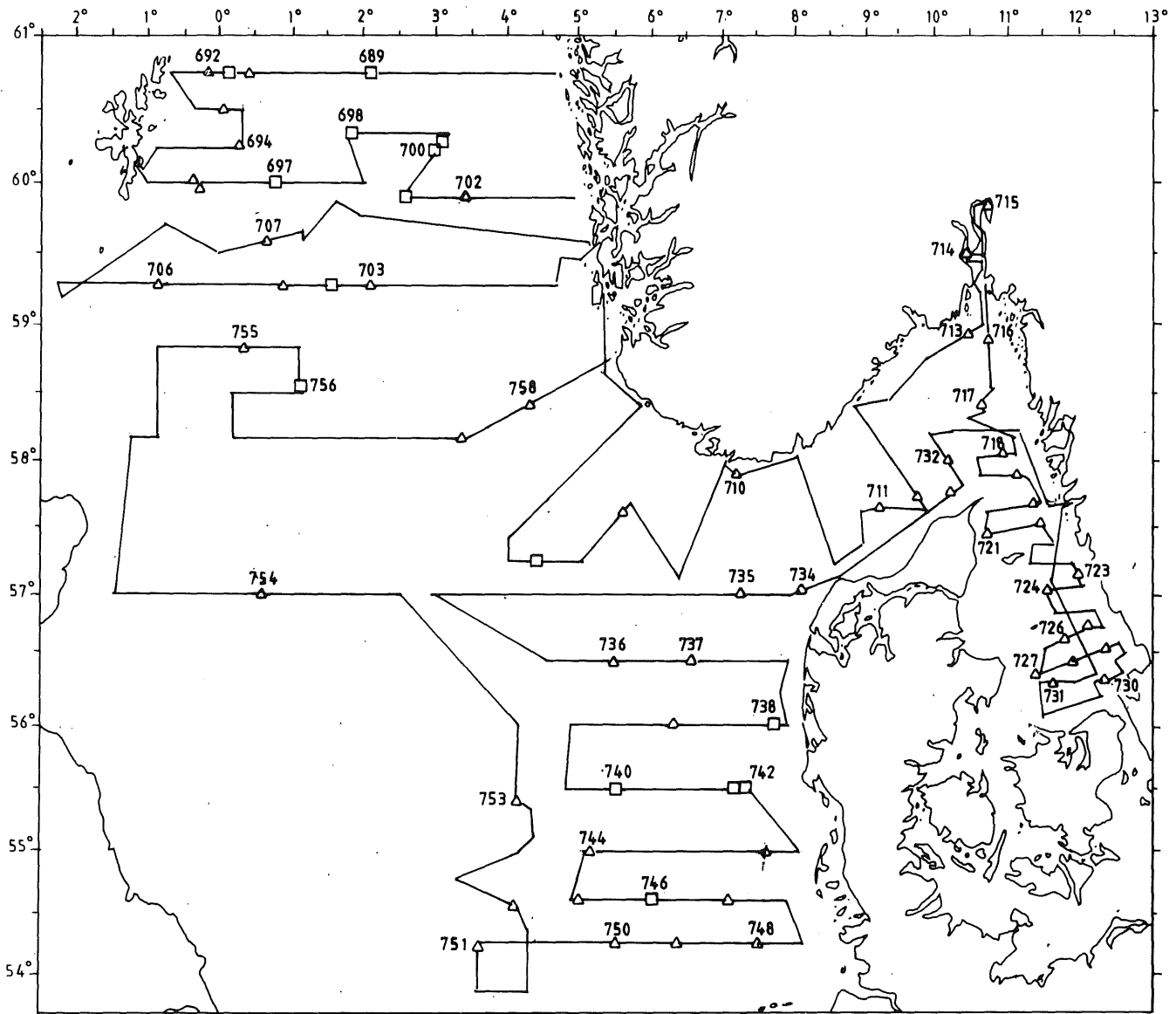
CTD ST.NO.1972 POS NB 66°23' LE 11°56' "ELDJARN"





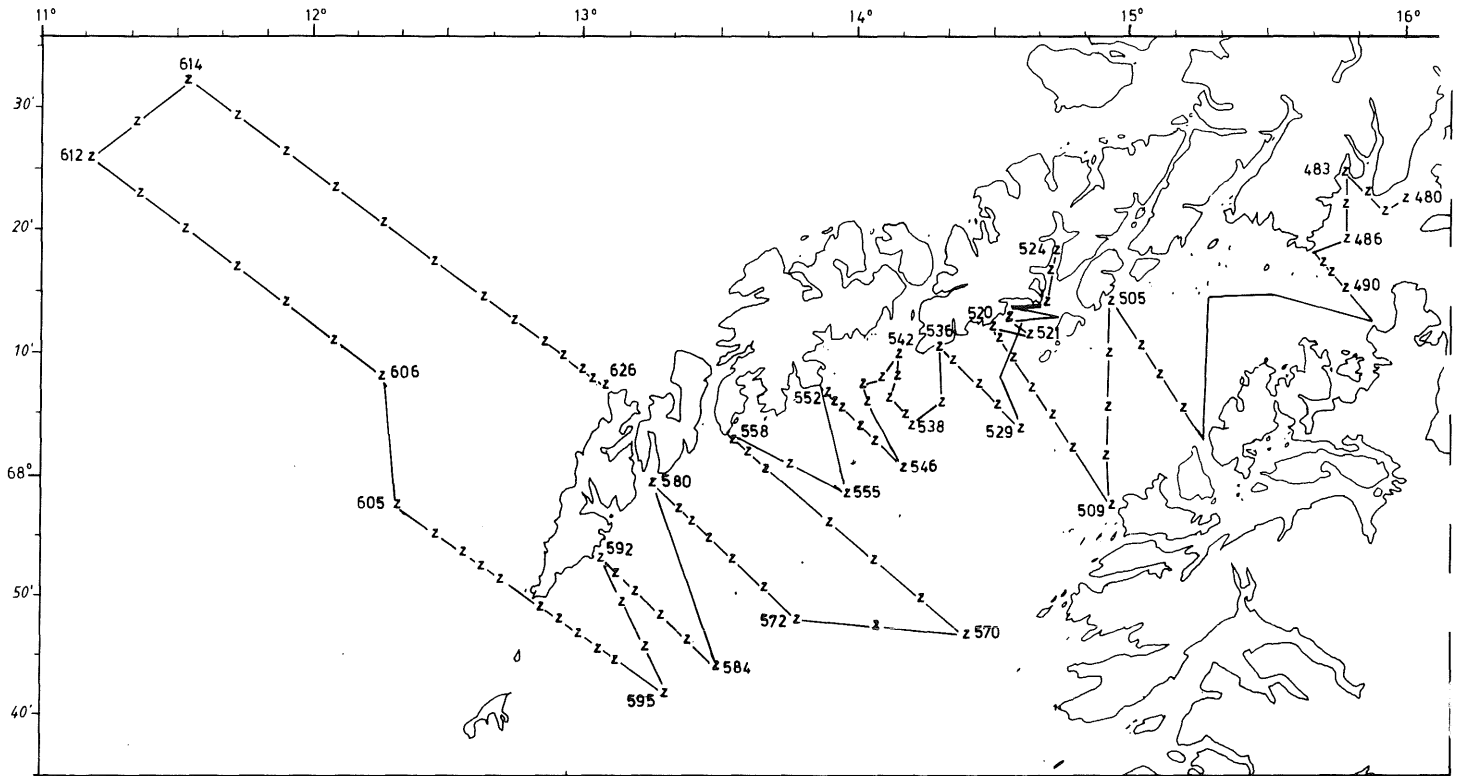
26 OCT. - 30 NOV. 1985 ST. NO. 1985-2263

"ELDJARN"



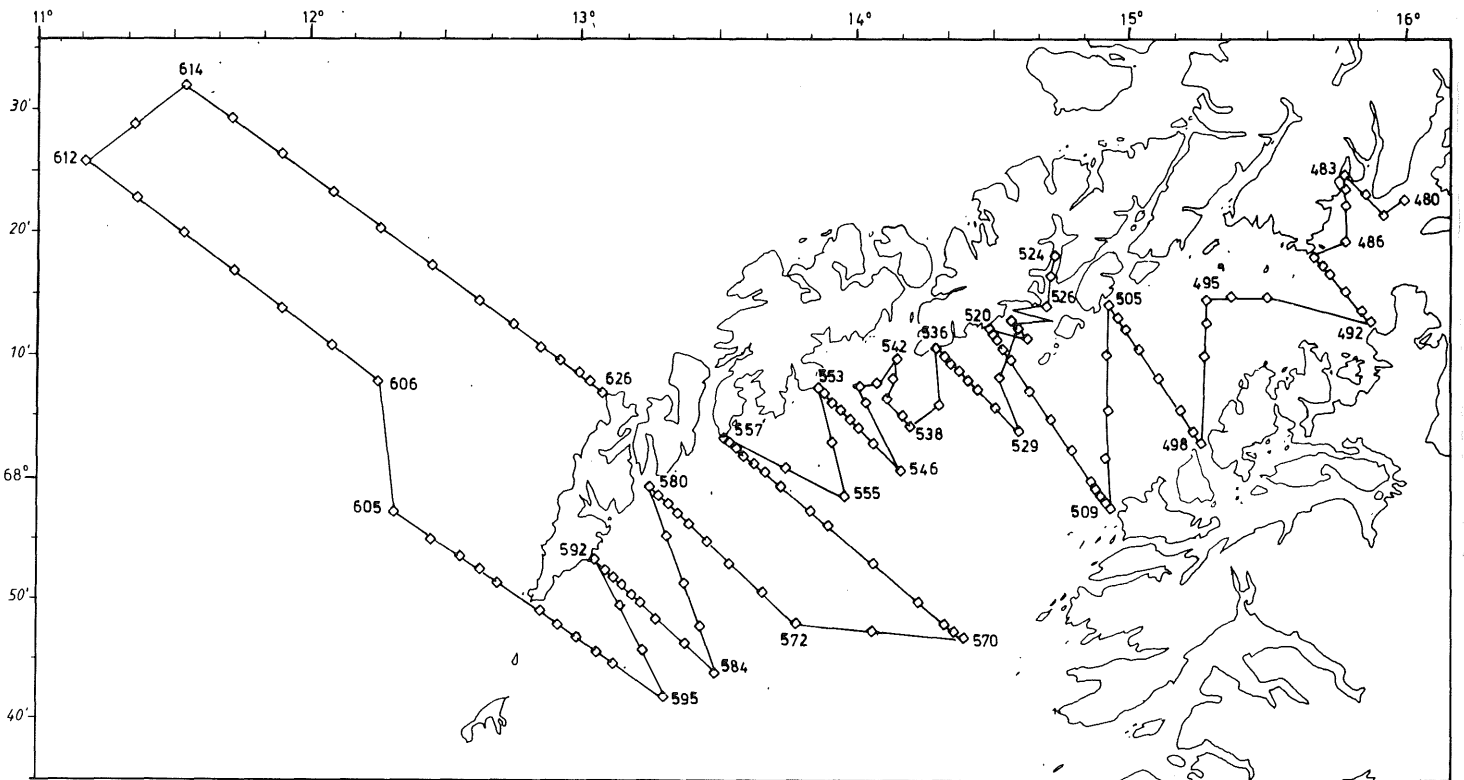
26 OCT. - 30 NOV. 1985 TRAWL ST. NO. 689 - 758

"ELDJARN"



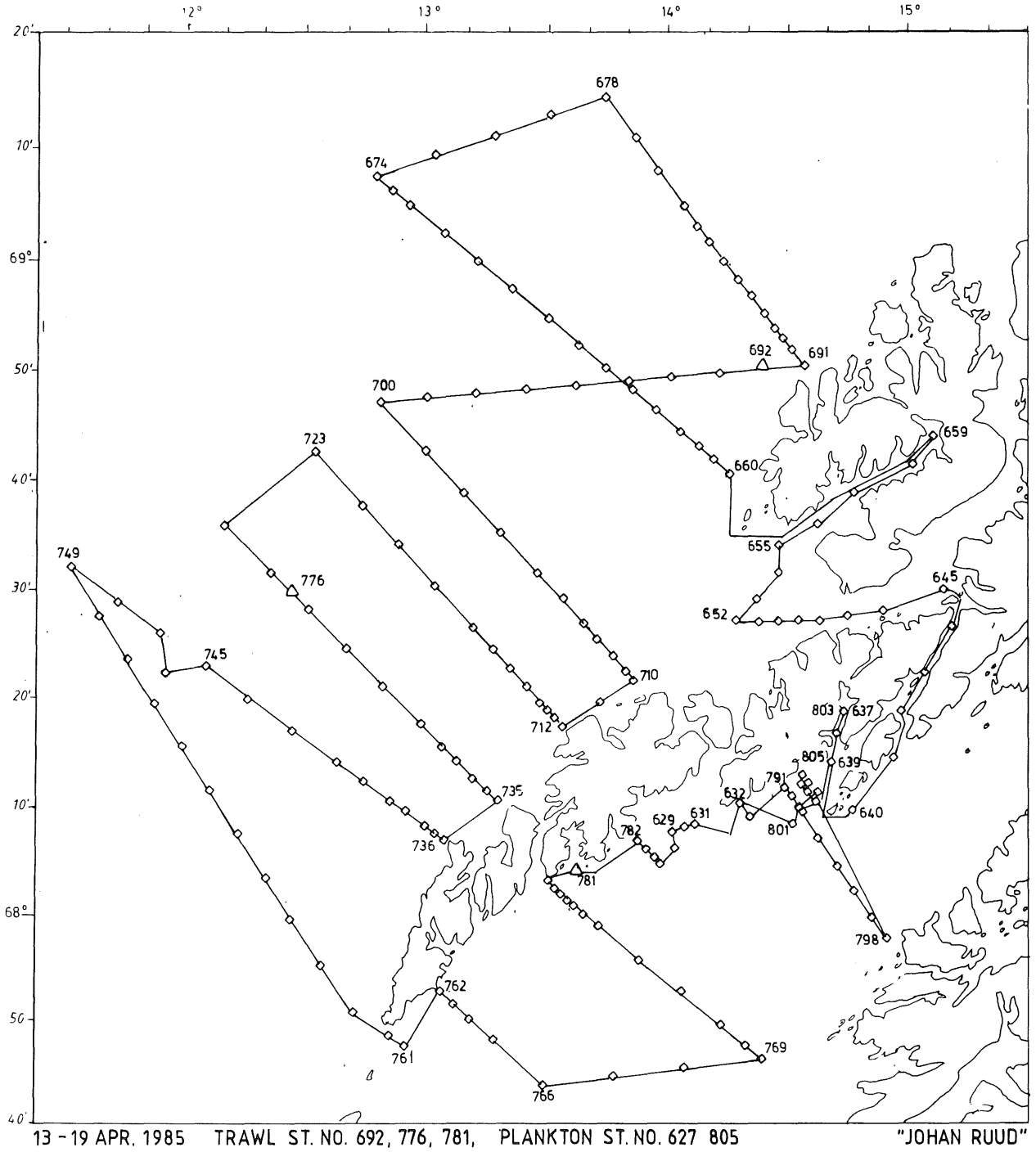
9-13 APR. 1985 ST. NO. 480-626

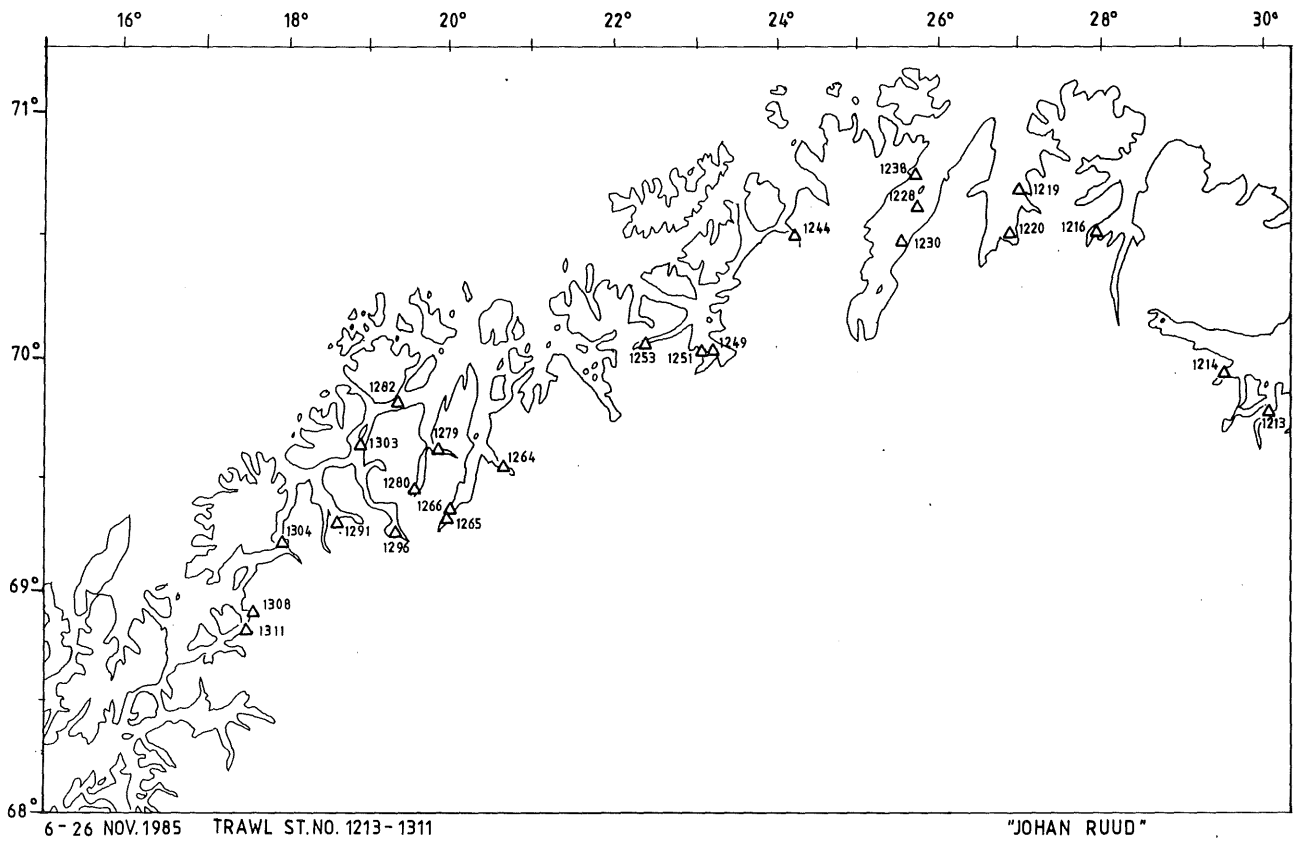
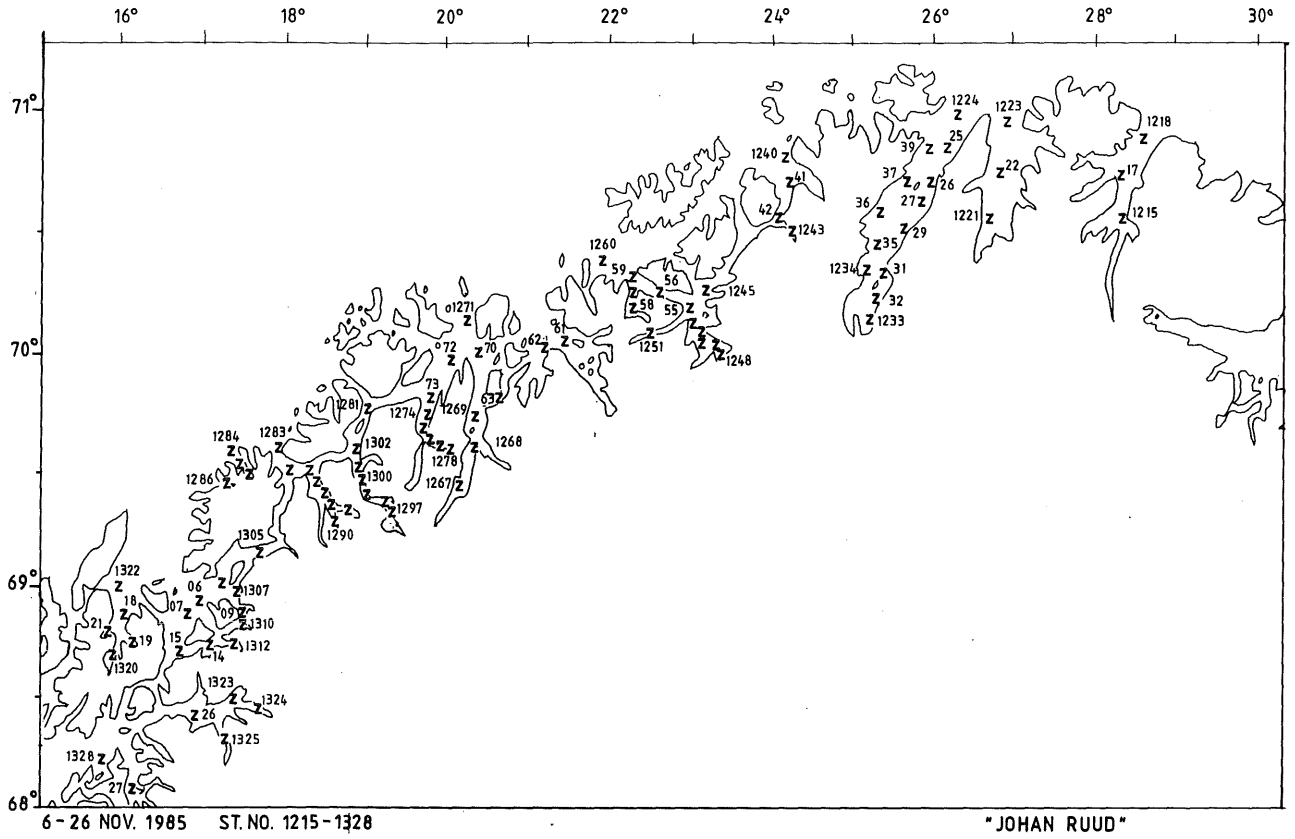
"JOHAN RUUD"

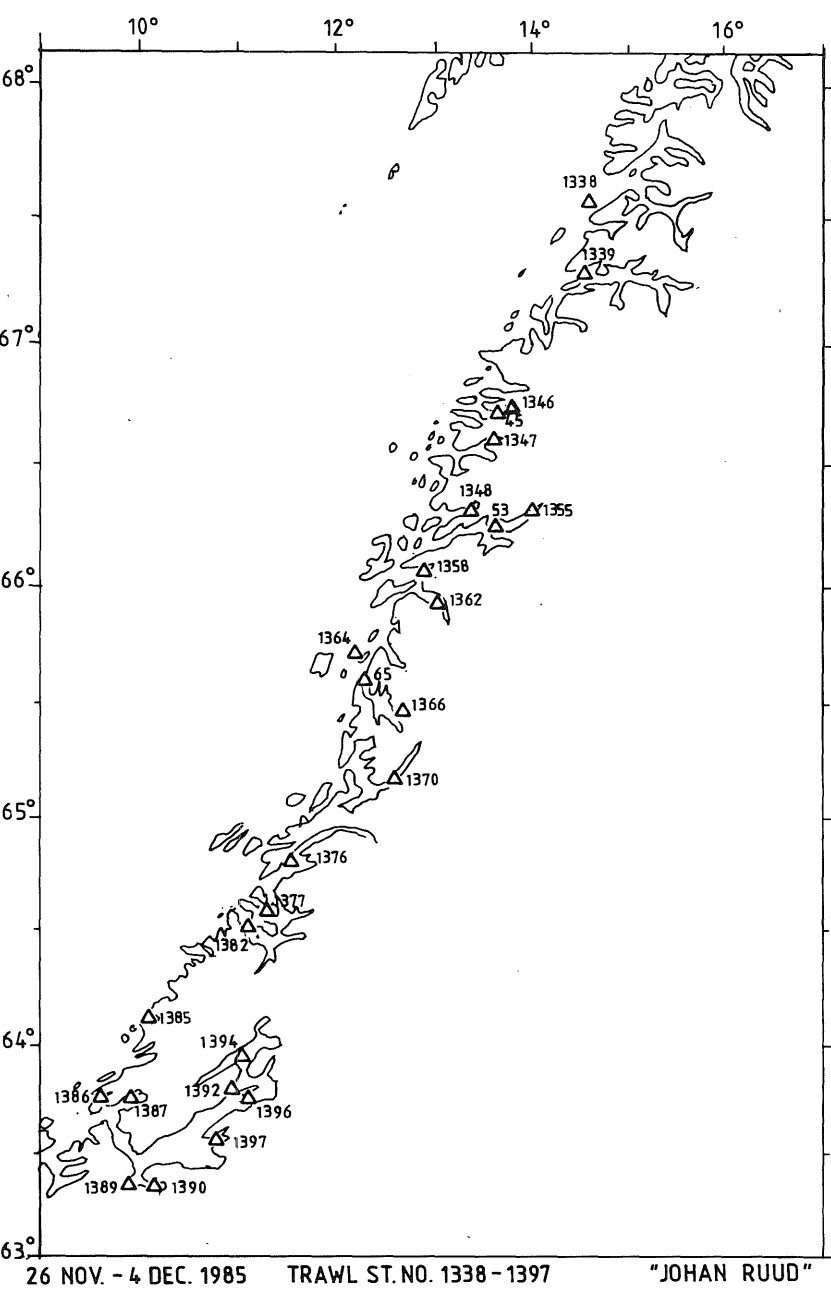
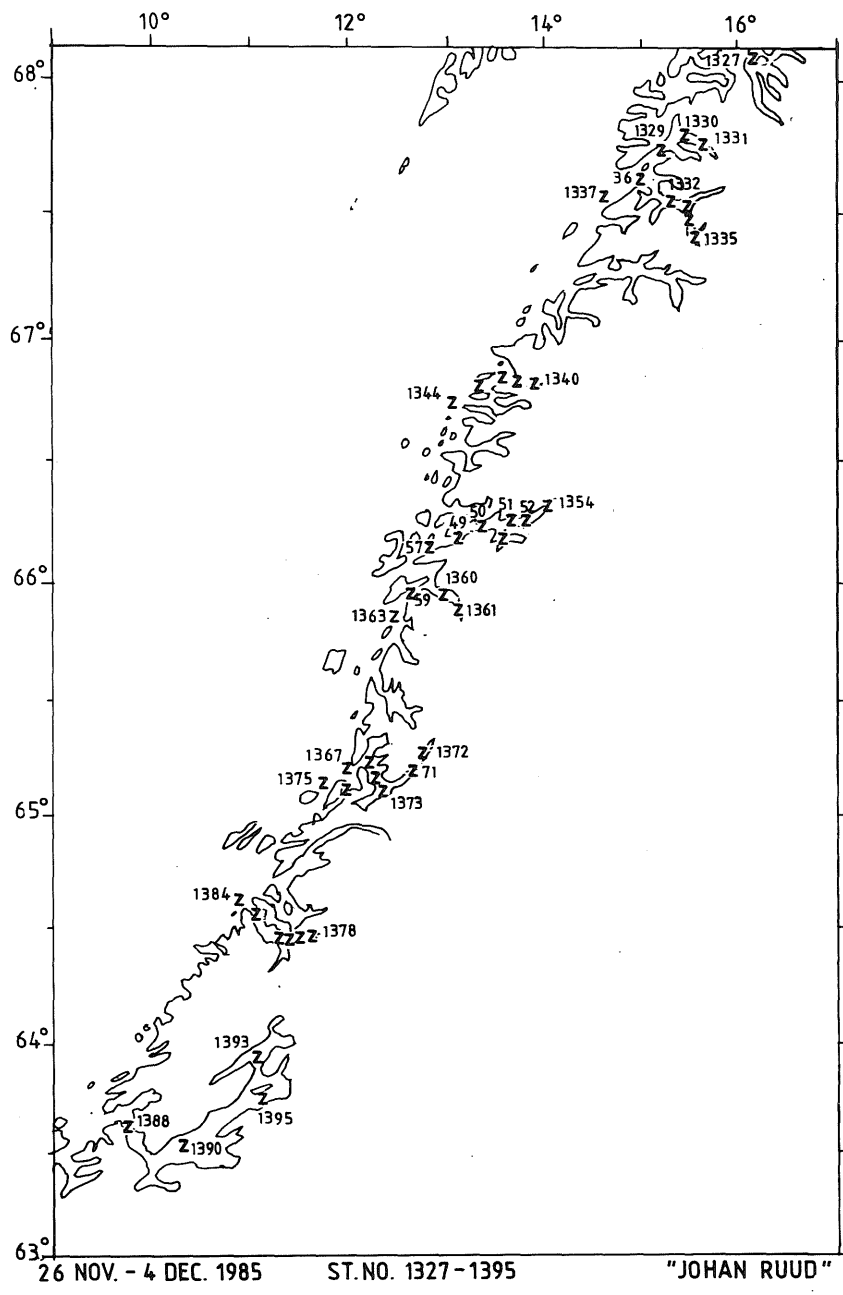


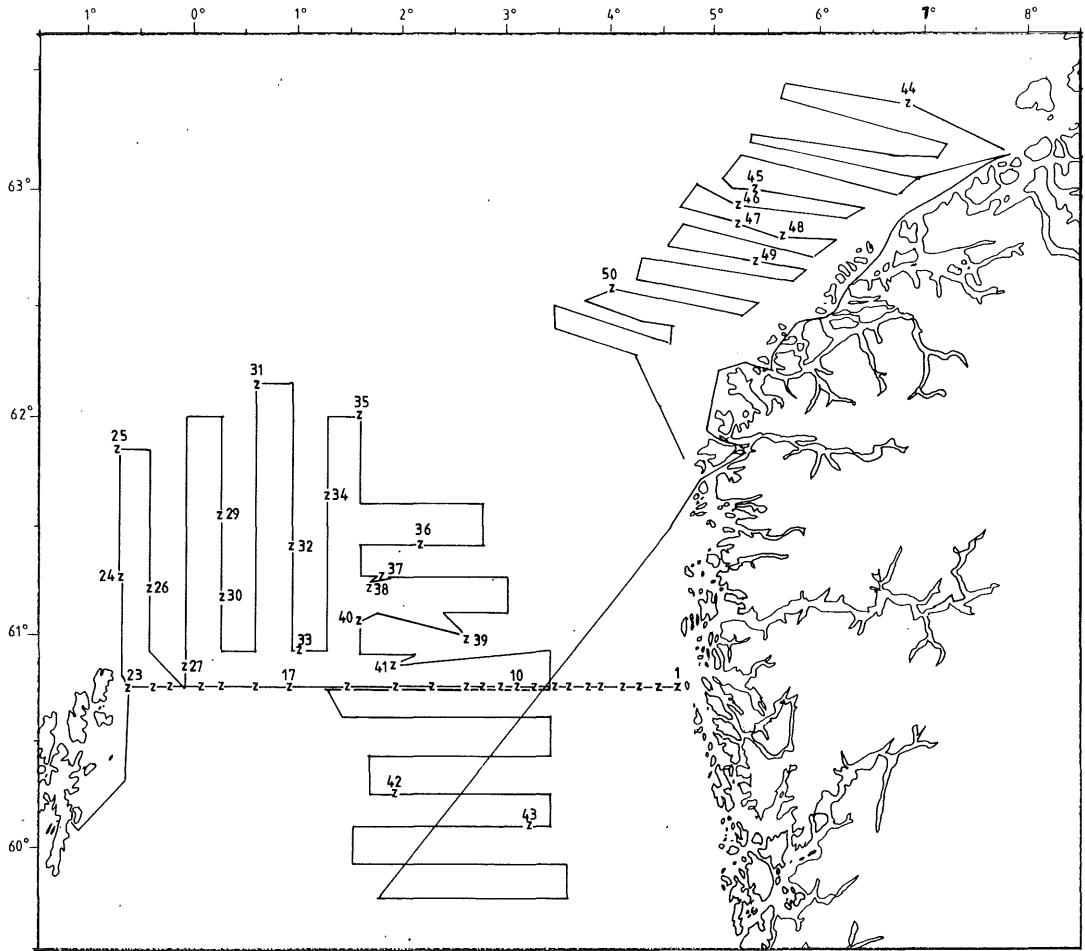
9-13 APR. 1985 PLANKTON ST. NO. 480-626

"JOHAN RUUD"



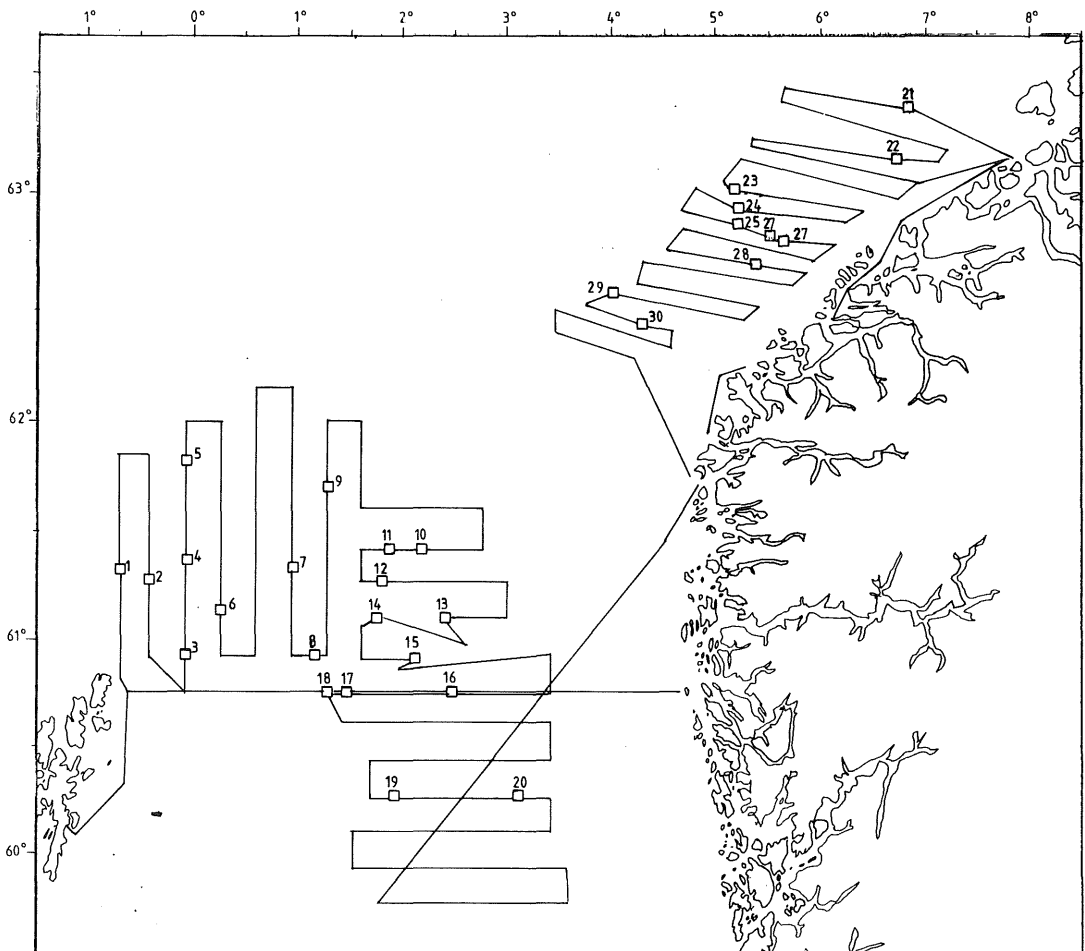






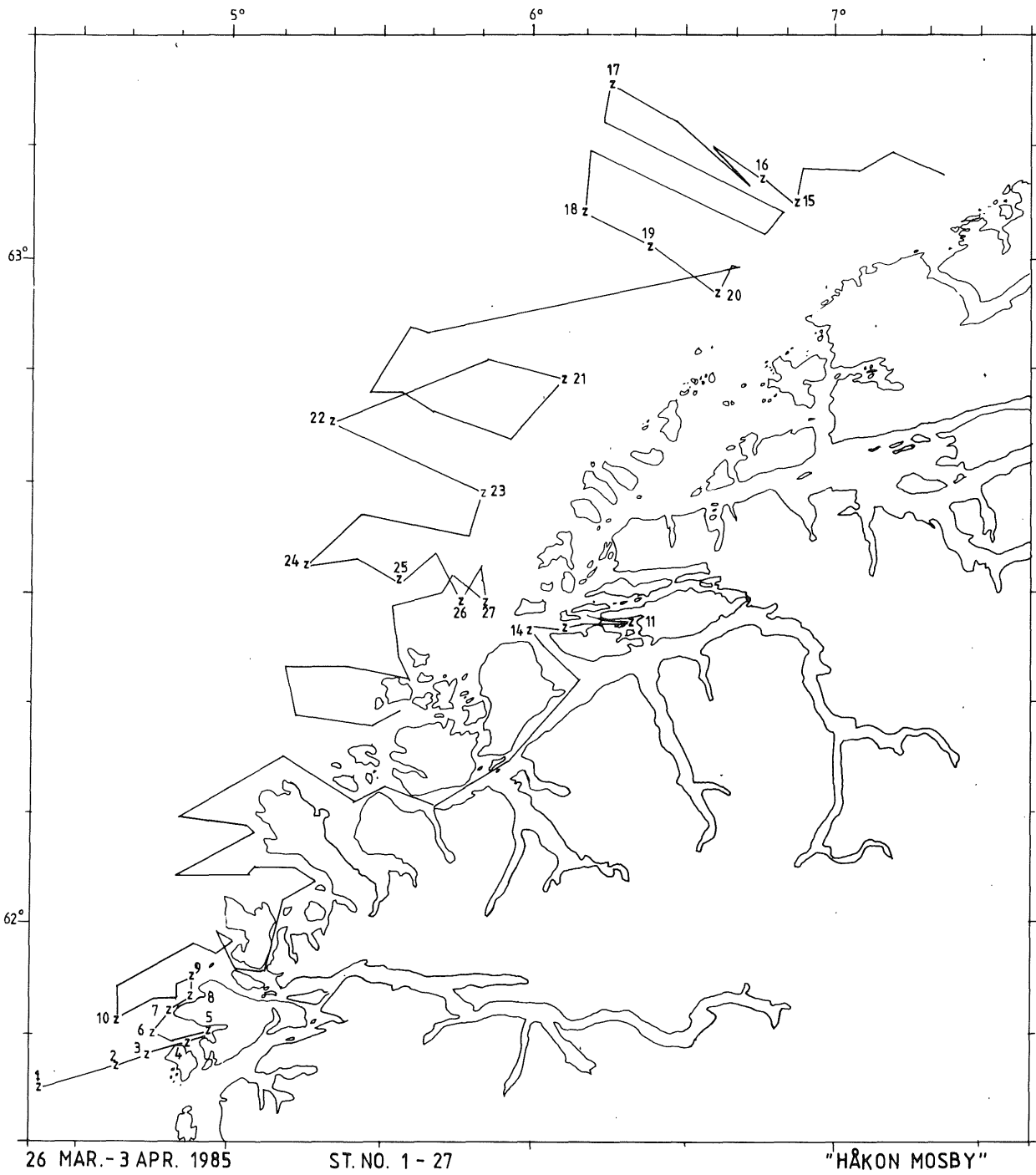
7-28 FEB. 1985 ST. NO. 1-50

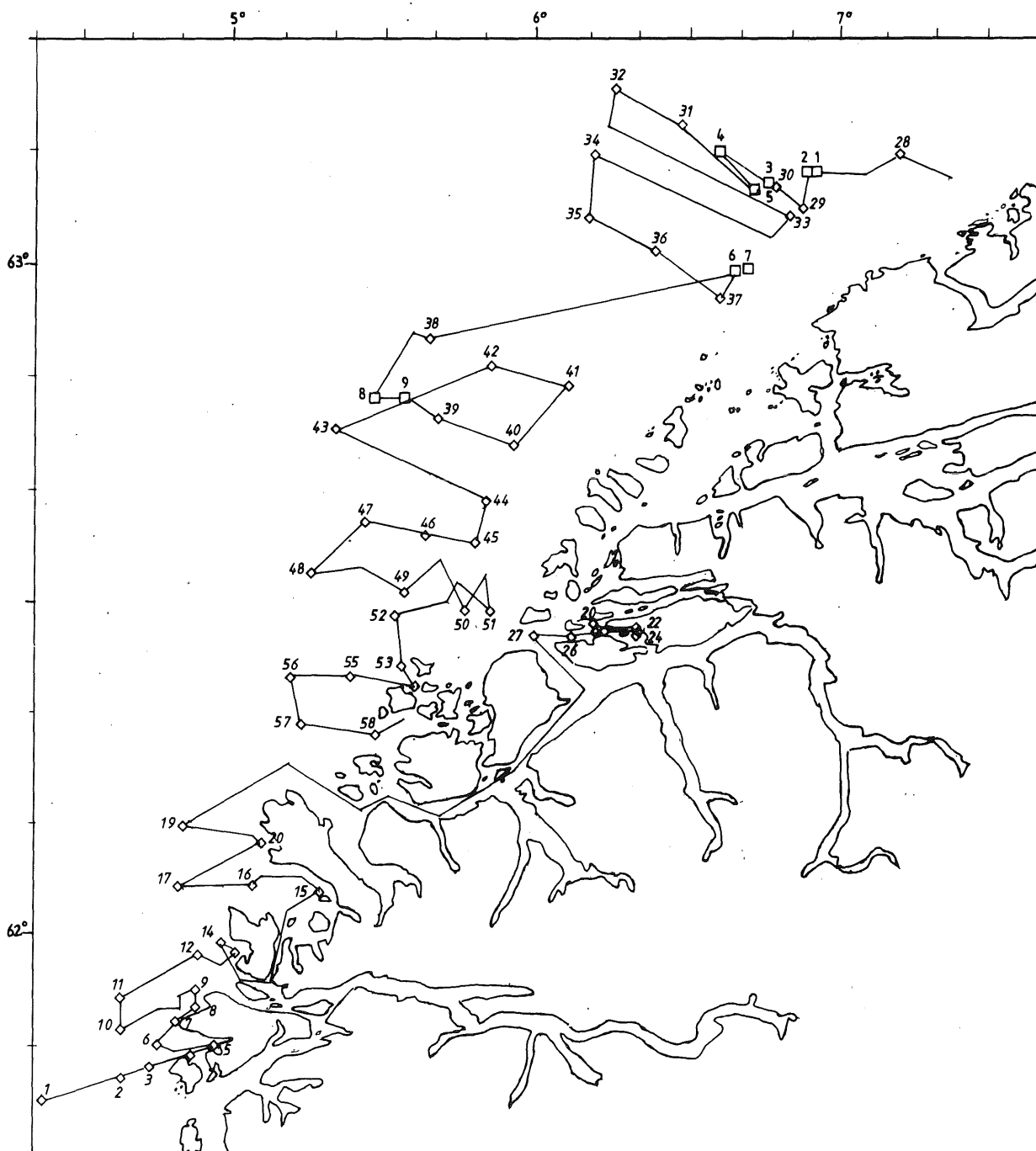
"HÅKON MOSBY"



7-28 FEB. 1985 TRAWL ST. NO. 1-30

"HÅKON MOSBY"



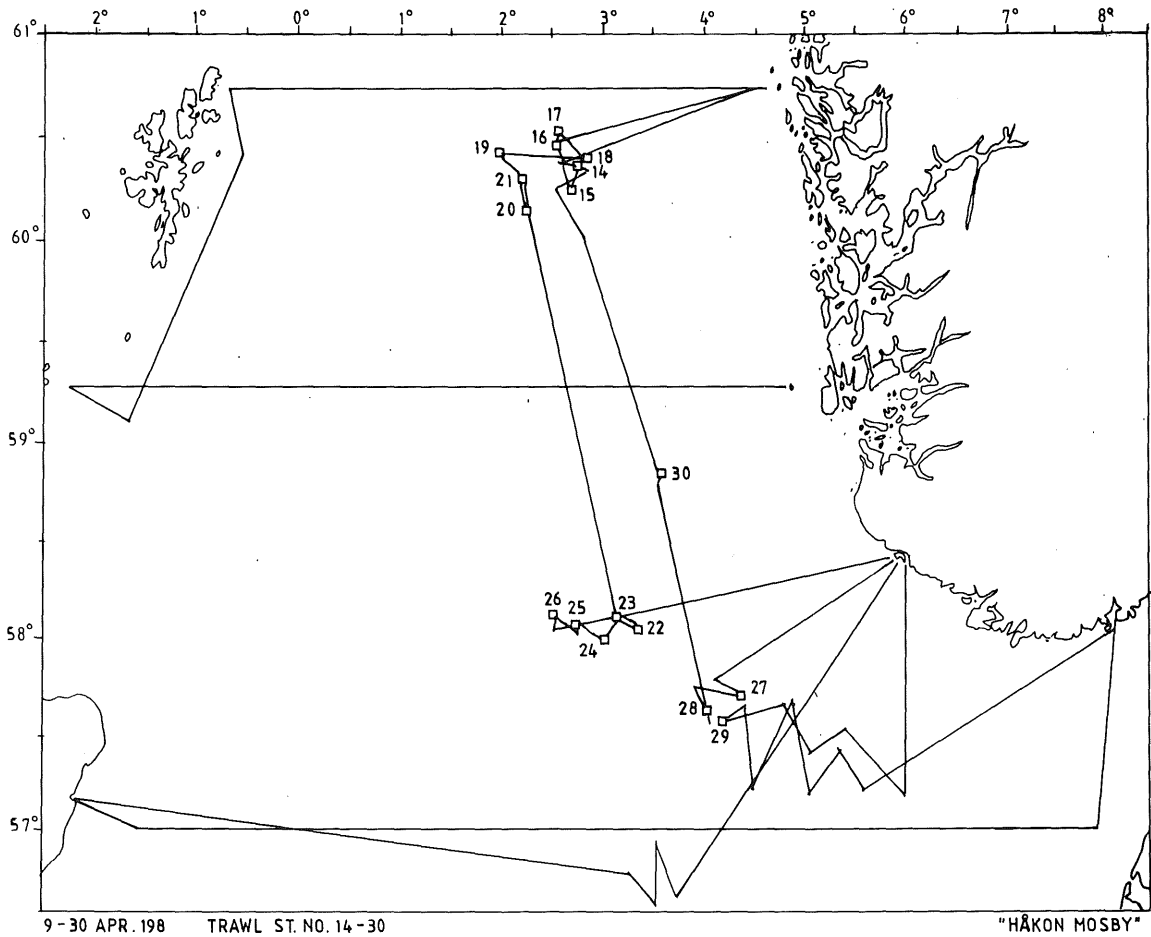
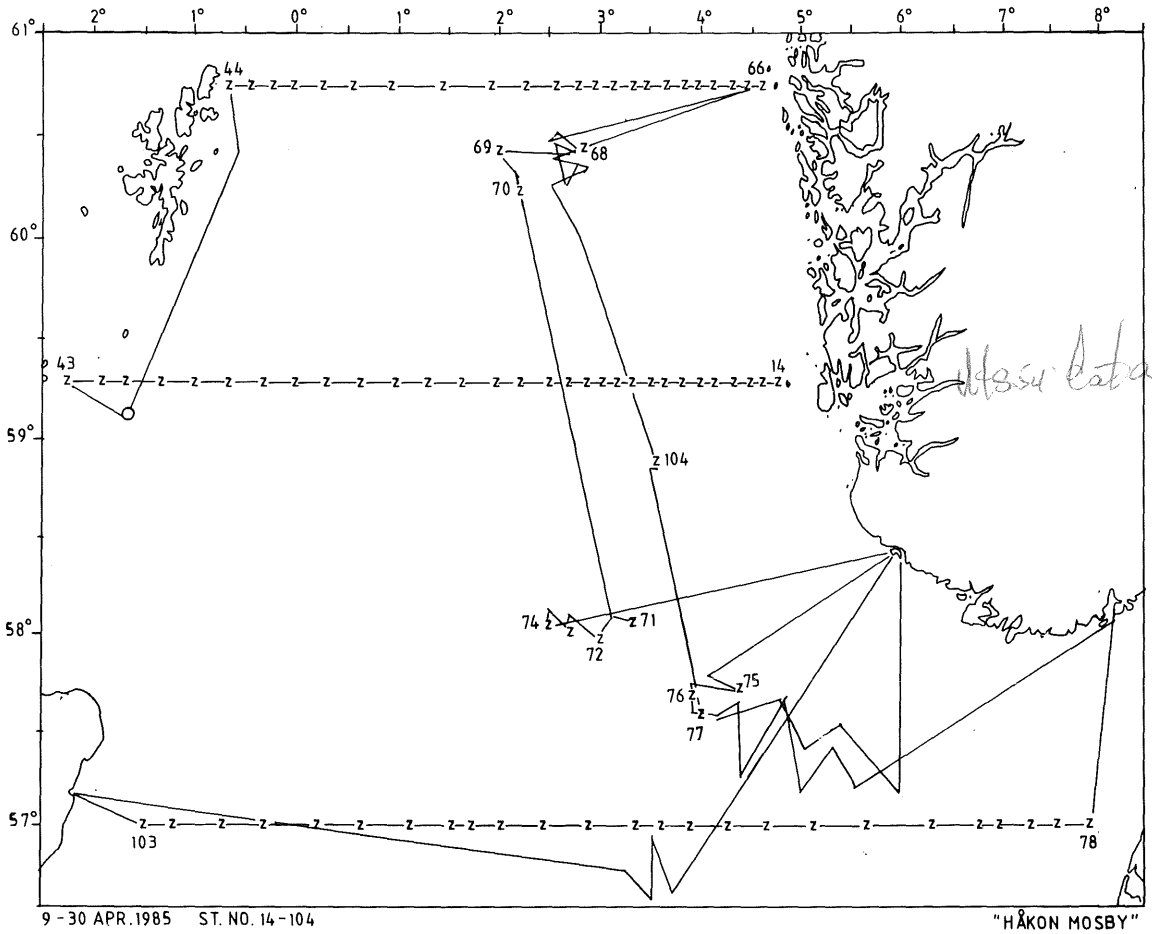


26 MAR.-3 APR. 1985

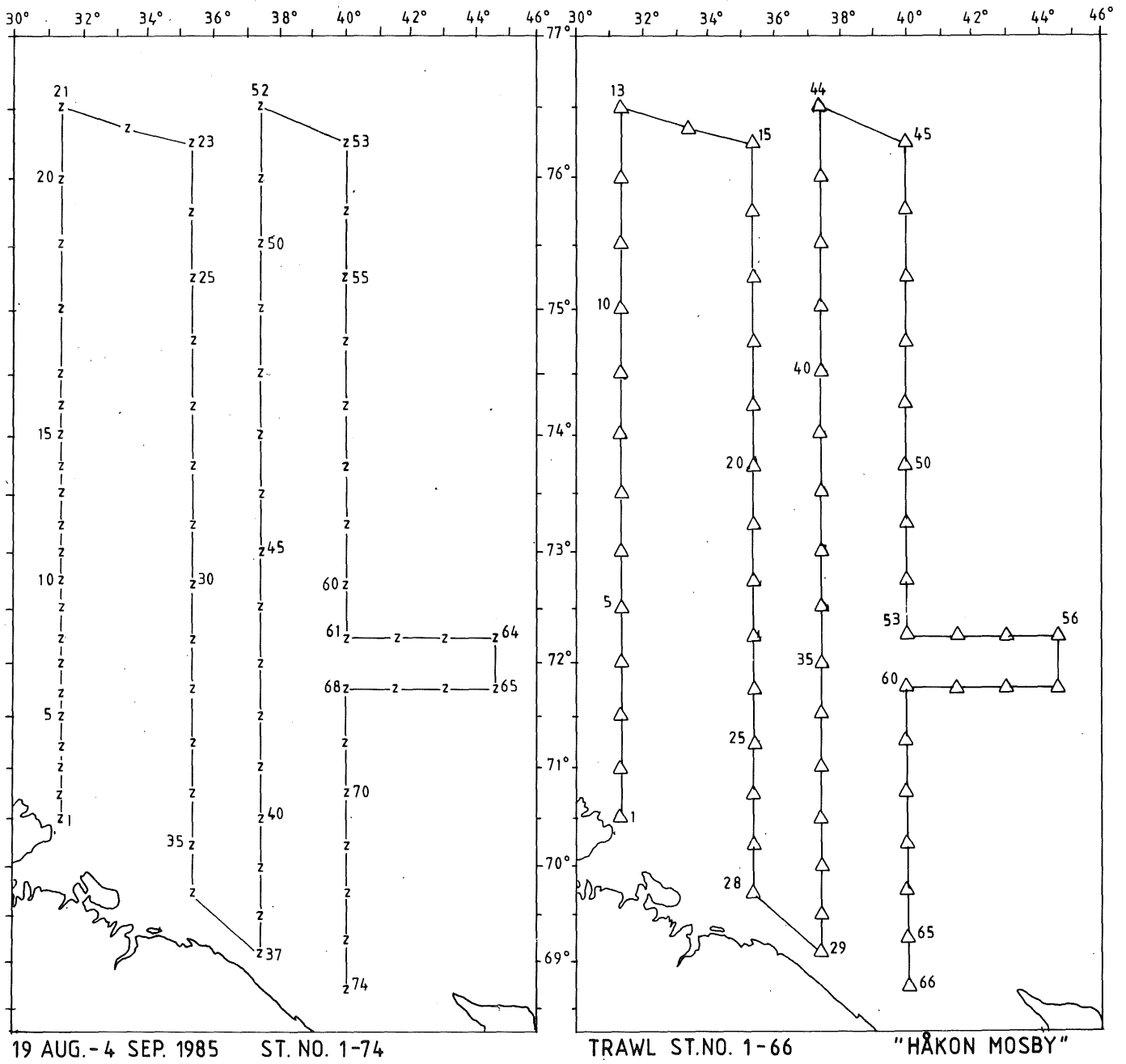
TRAWL ST. NO. 1-9

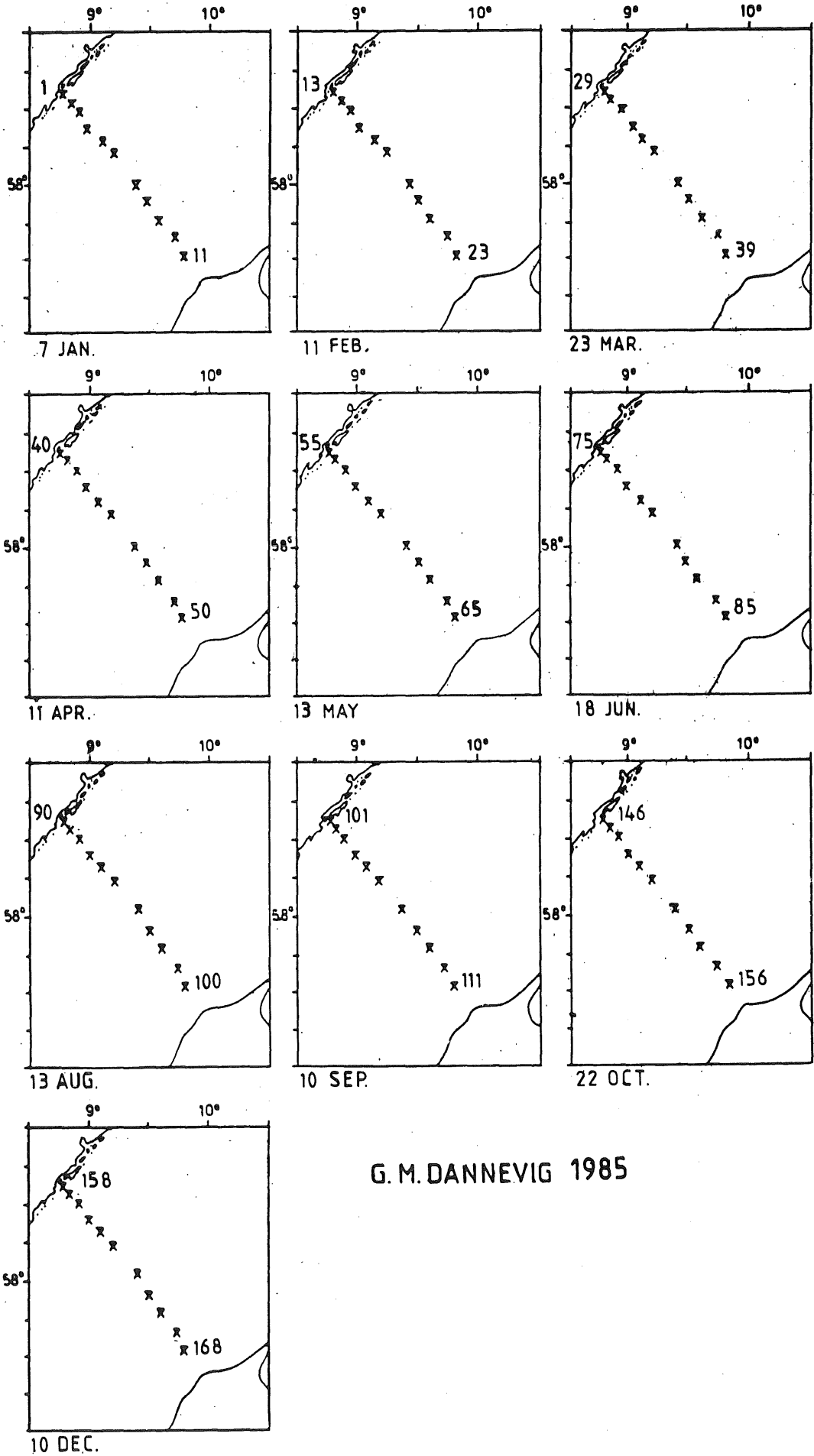
PLANKTON ST. NO. 1-58

"HÅKON MOSBY"

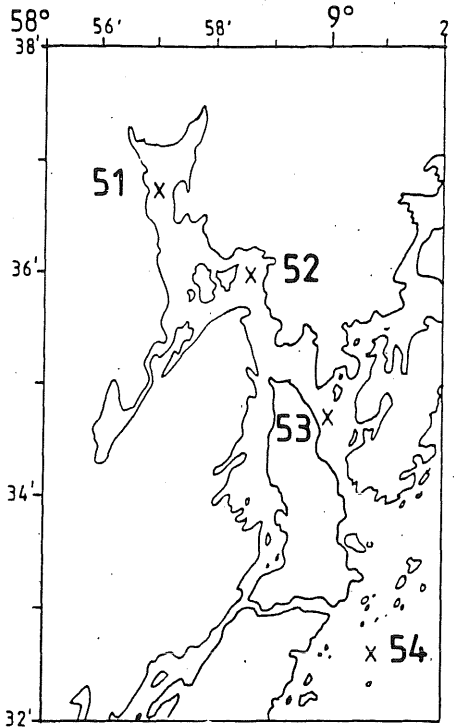


7-17 (1-21)
 41-48 (37-52)

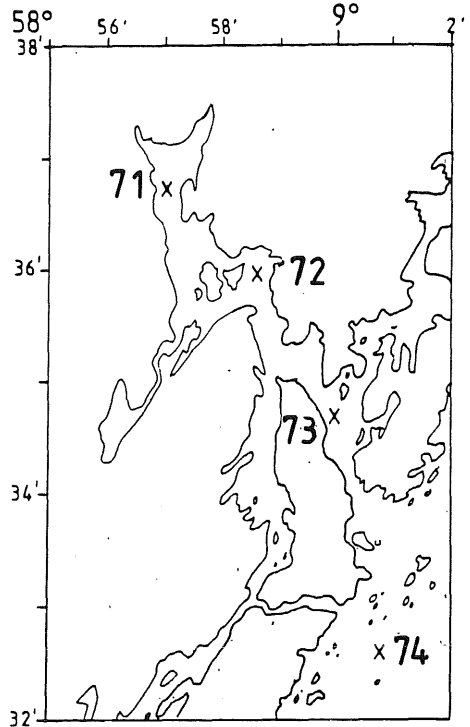




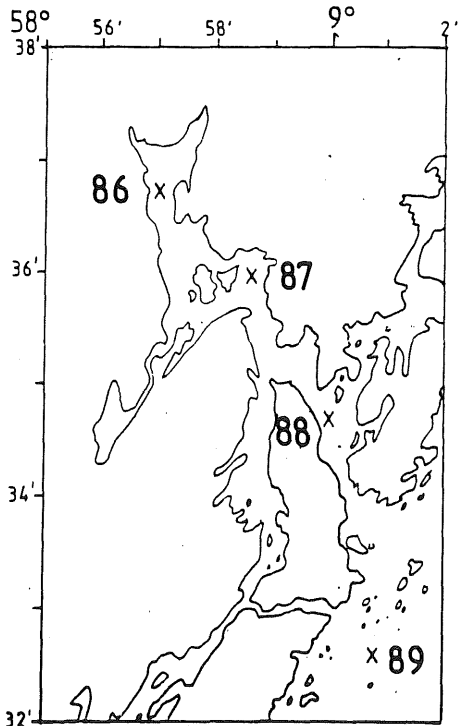
G. M. DANNEVIG 1985



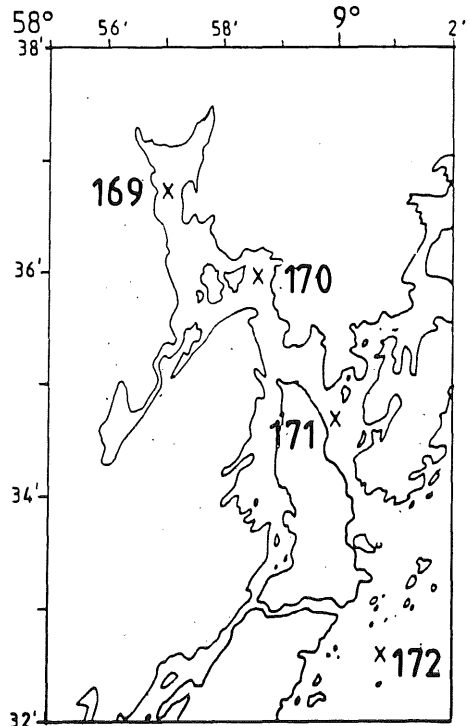
9 MAY ST. NO. 51-54



17 JUN. ST. NO. 71-74



10 AUG. ST. NO. 86-89



12 DEC. ST. NO. 169-172

"G. M. DANNEVIG" 1985

