

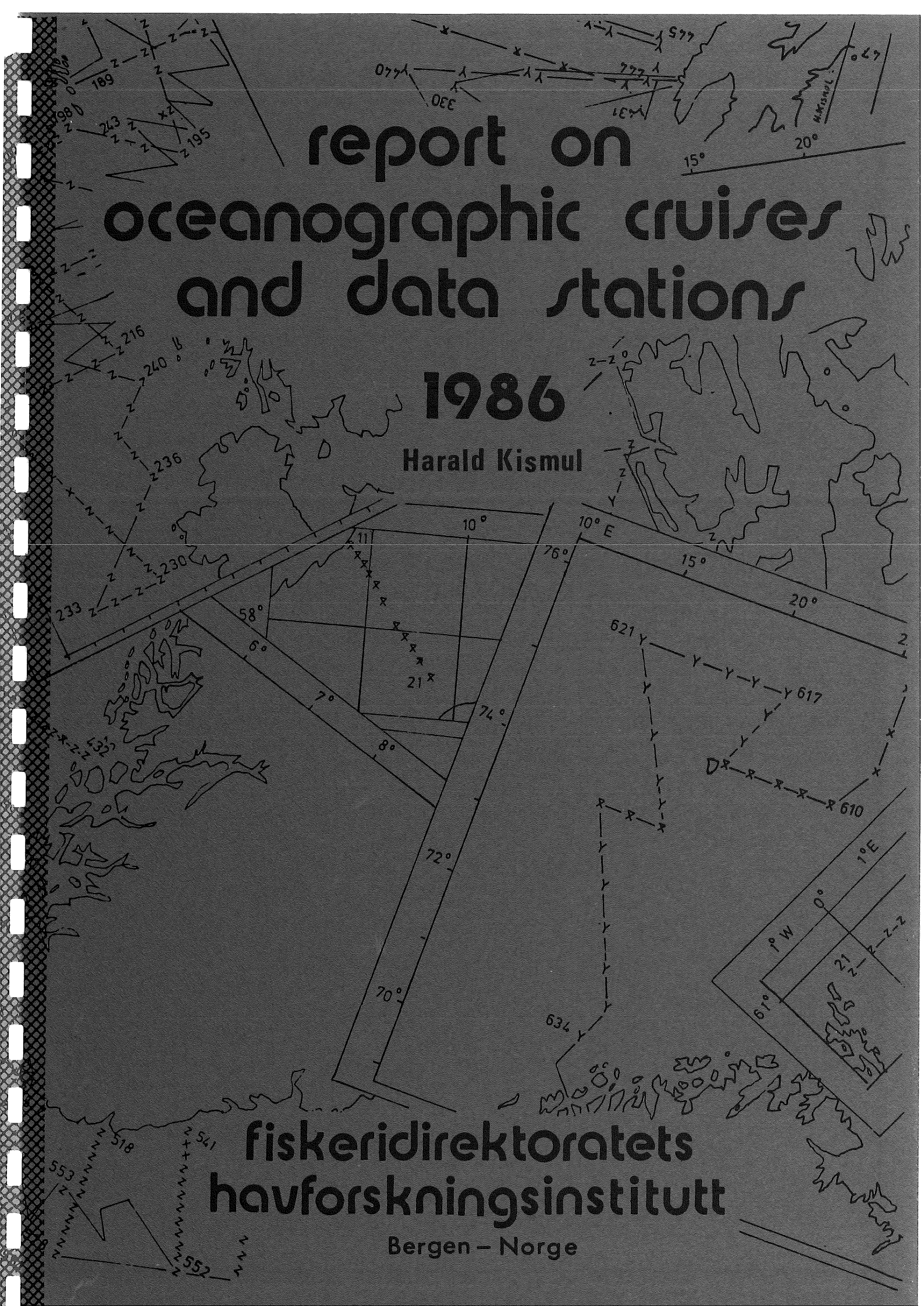
report on oceanographic cruises and data stations

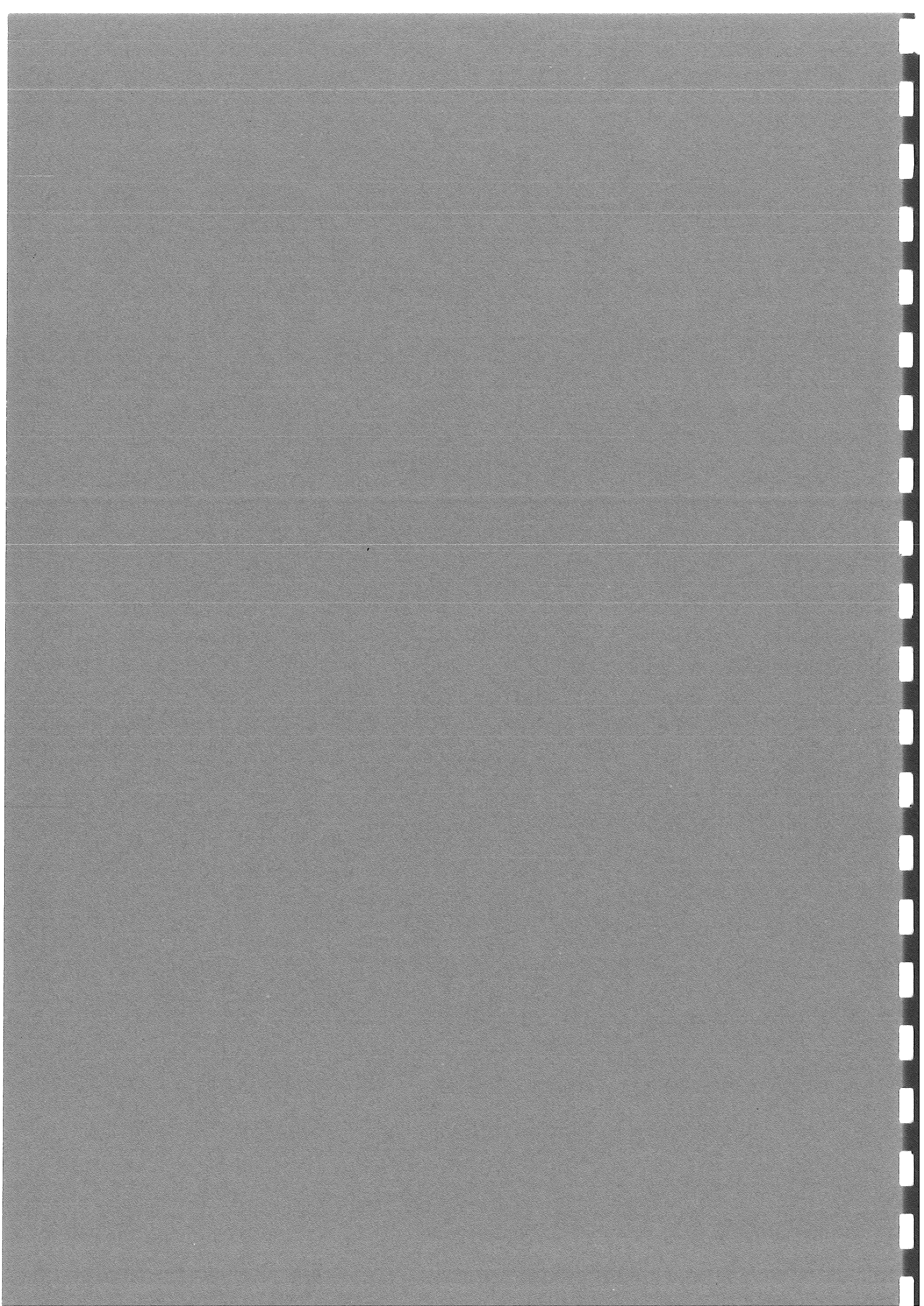
1986

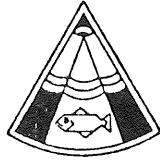
Harald Kismul

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‰

**fiskeridirektoratets
havforskningsinstitutt**

Bergen – Norge

ICES Annual Report on Oceanographic Cruises and Data Stations.

Country: NORWAY

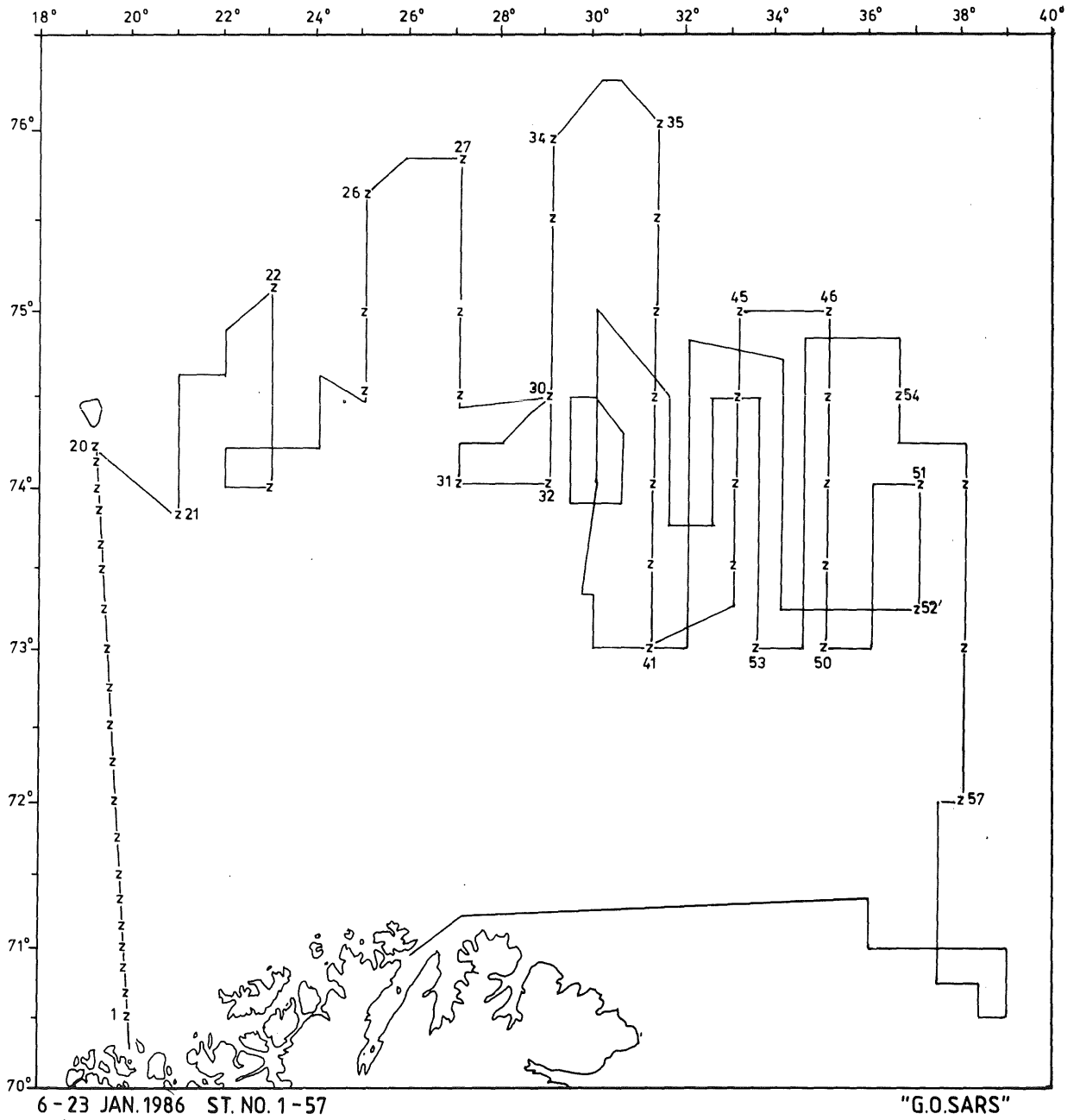
Year: 1986:

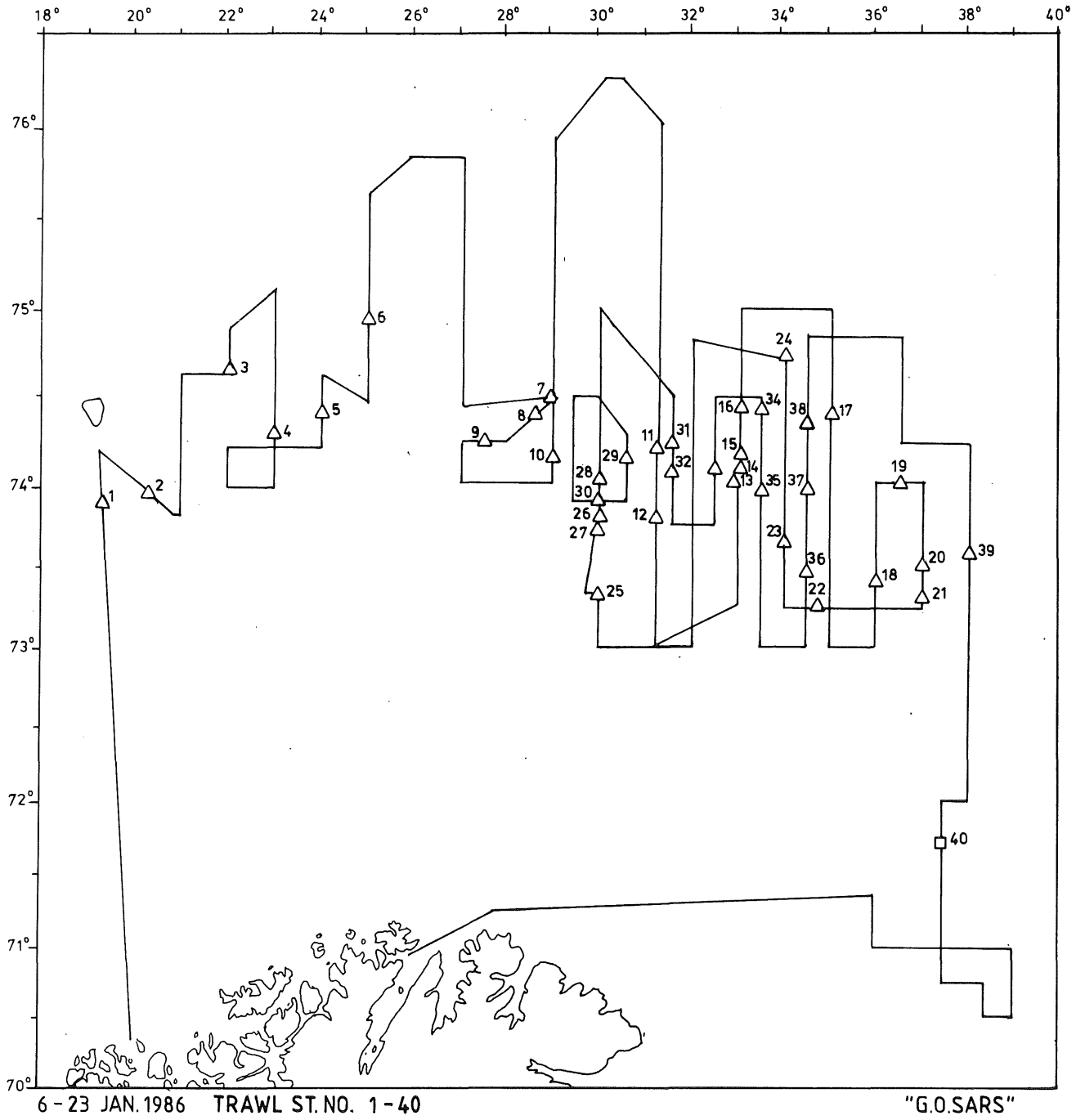
SHIP: "G.O. SARS"

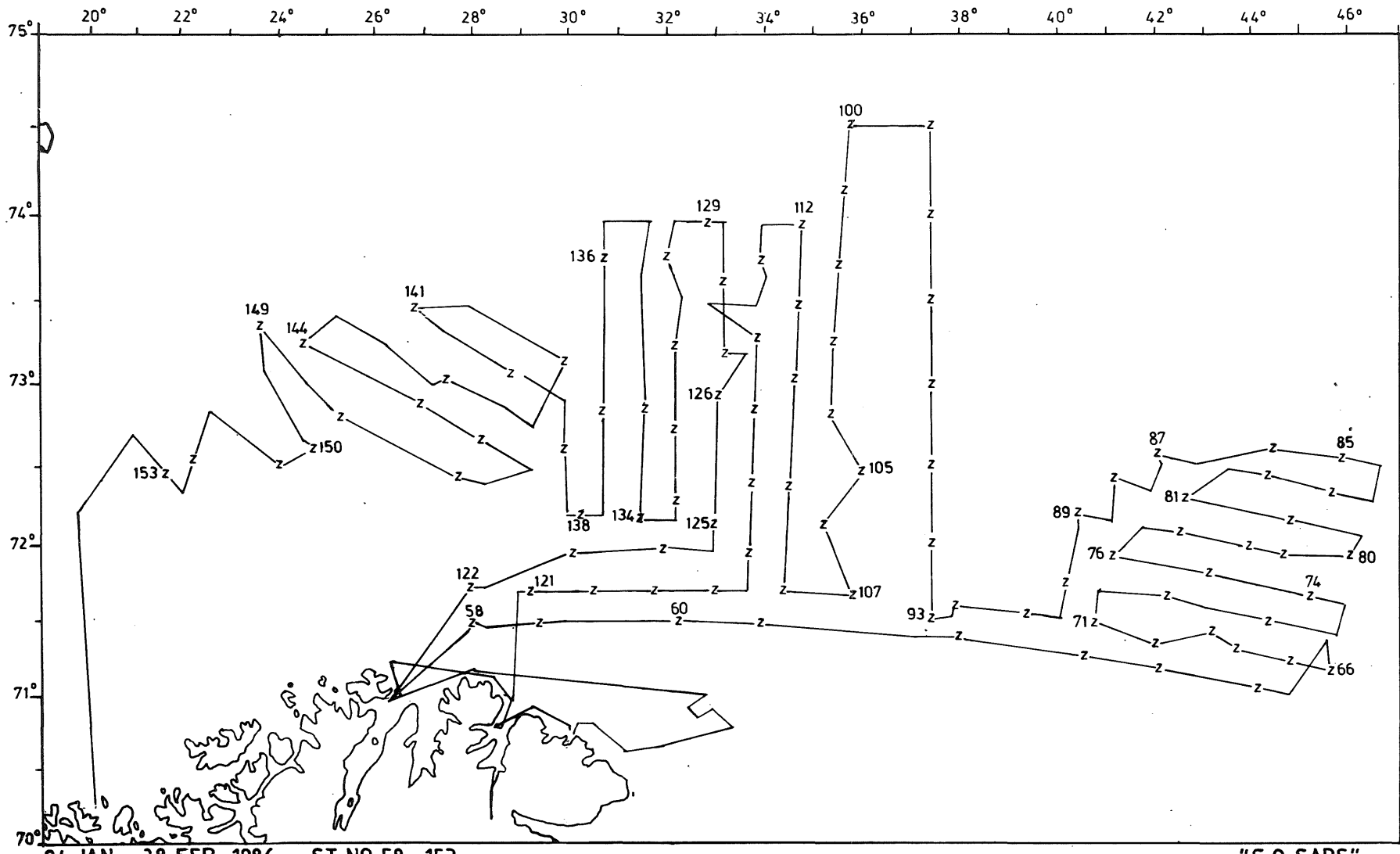
Cruise and ship number.	Period of cruises	Number of Stations																	Continual observations					Page of track chart				
		Classical oceanogr. stations	Vertical profiles (STD/CTD)	Bathythermograph (BT)	Moored Buoy	Oxygen	Nutrients	Oil Hydrocarbons	Petroleum residues	Metals	Primary org. prod.	Petroplank. pigment con.	Sediment samples	Pelagic Trawl	Bottom Trawl	Pelagic eggs and larvae	Bongo Trawl	Zooplankton	Phytoplankton	Surface temperature	Transparency	Organic matter (extract.)	Part. matter (filtration)		NO ₂ + NO ₃ (auto-analyzer)	Echo sounding	Echo integration	
1/15	6/1-23/1		57										39	1						X	X				X	X		7-8
2/15	24/1-28/2		96									42	99							X	X				X	X		9-10-11
3/15	22/7-20/8		107									187				15				X	X				X	X		12
4/15	20/8-3/9		173									81								X	X				X	X		13
5/15	6/9-13/10		131									54	33				20	20		X	X				X	X		14-15
6/15	16/10-9/11		134									22	38							X	X				X	X		16-17
7/15	12/11-10/12		272									35	272							X	X				X	X		18-19

ICES Annual Report on Oceanographic Cruises and Data Stations.

Country: NORWAY		Year: 1986		SHIP: "ELDJARN"		Number of Stations														Continual observations						Page of track chart	
Cruise and ship number.	Period of cruises	Classical oceanogr. stations	Vertical profiles (STD/CTD)	Bathythermograph (BT)	ARGOS DRIFTERS	Oxygen	Nutrients	Oil Hydrocarbons	Petroleum residues	Metals	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	20/1-17/2		129												47			81	81	x	x				x	x	36-37
2/14	18/2-11/3		102											15						x	x				x	x	38
3/14	14/3-6/4		38											14						x	x				x	x	39-40
4/14	10/4-21/4		11											3	13					x	x				x	x	41
5/14	28/4-16/5		89											42	2			12	12	x	x				x	x	42
6/14	18/5-2/6		58											22	4			14	14	x	x				x	x	43
7/14	2/6-7/6		96															119		x	x				x	x	44-45
8/14	8/6-20/6		60											5				63		x	x				x	x	46
9/14	10/7-27/7		97											21	35					x	x				x	x	48
10/14	29/7-19/8		121											38						x	x				x	x	49
11/14	20/8-3/9		95											32						x	x				x	x	50
12/14	6/9-15/10		219											63	34					x	x				x	x	51-52
13/14	3/11-5/12		122		4									36	28					x	x				x	x	53-54

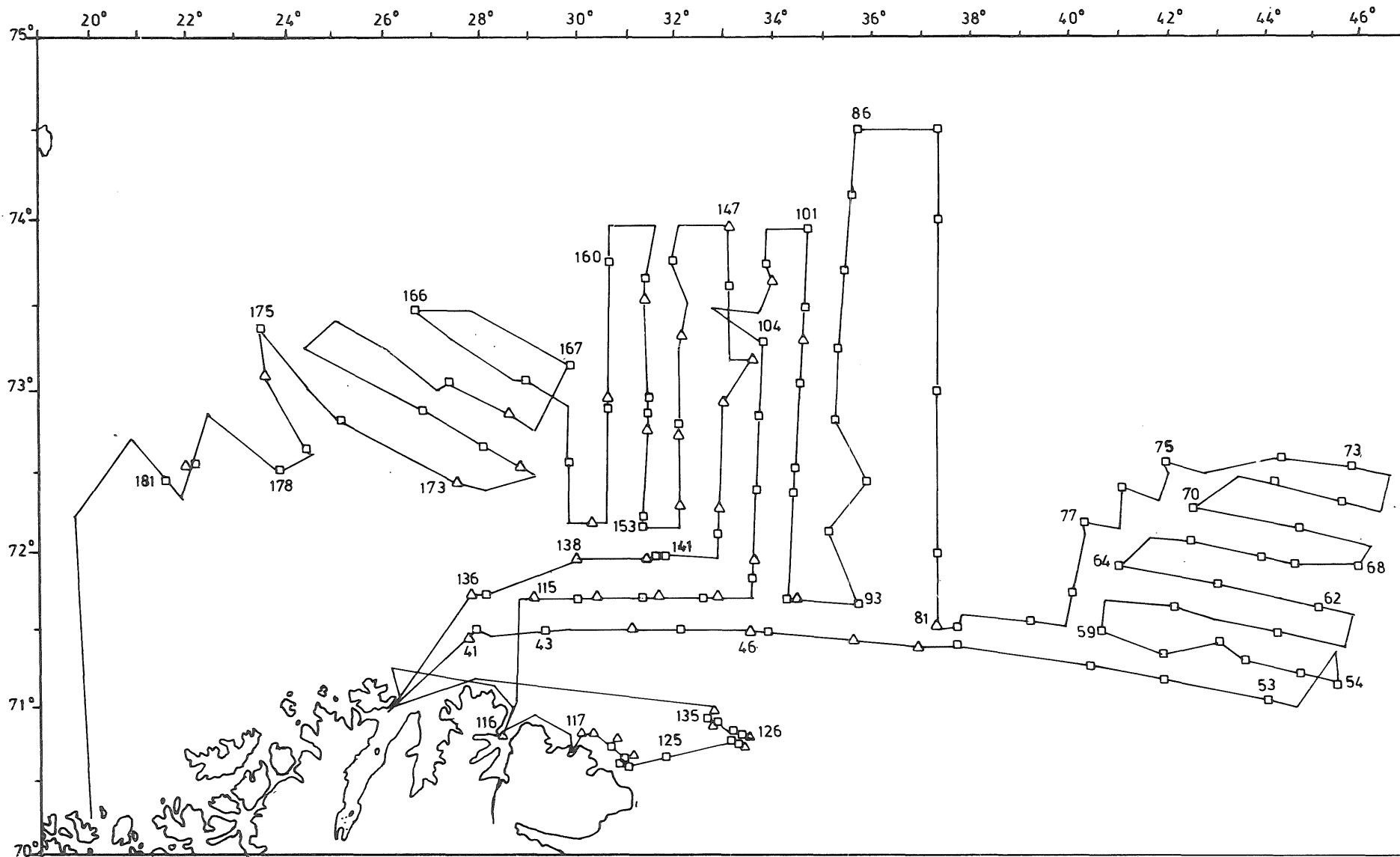






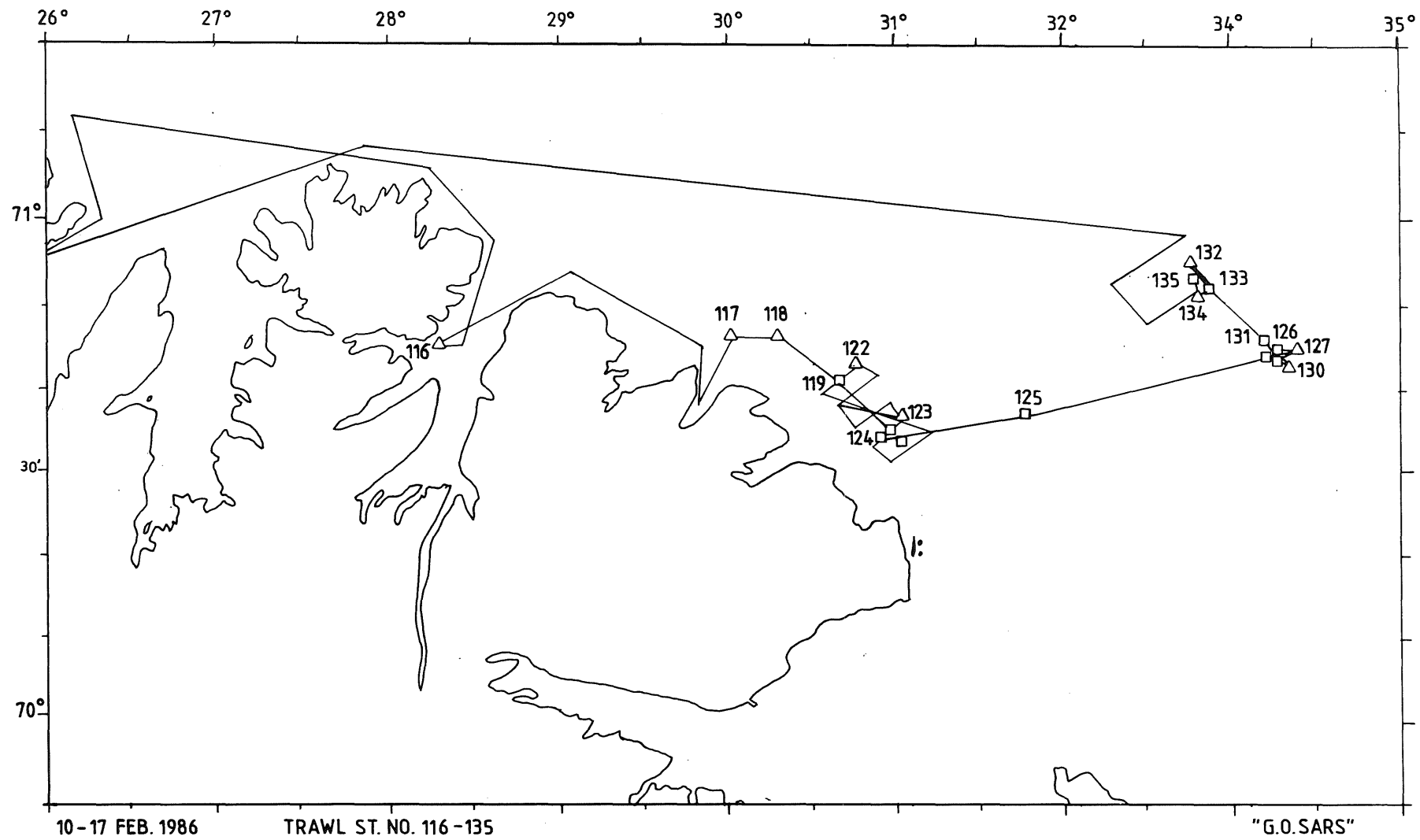
24 JAN. - 28 FEB. 1986 ST. NO. 58 - 153

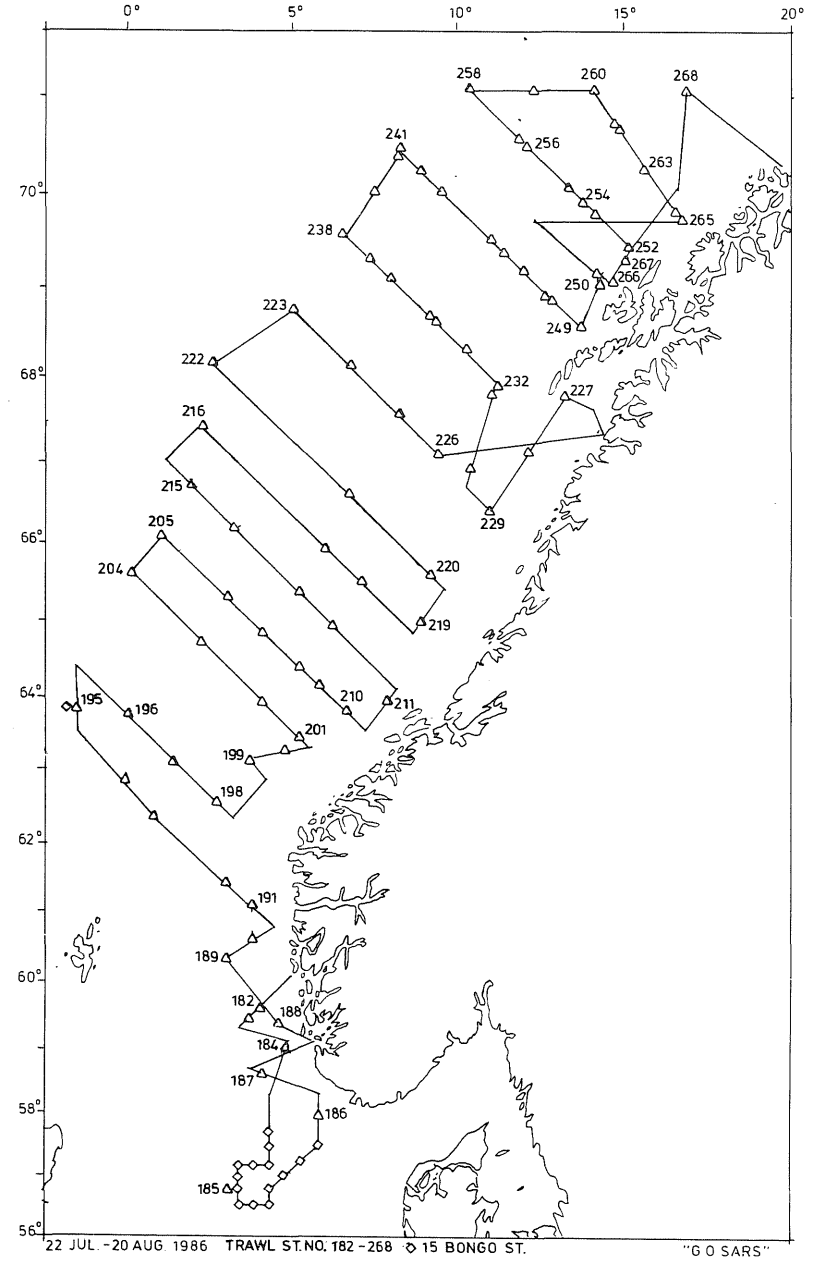
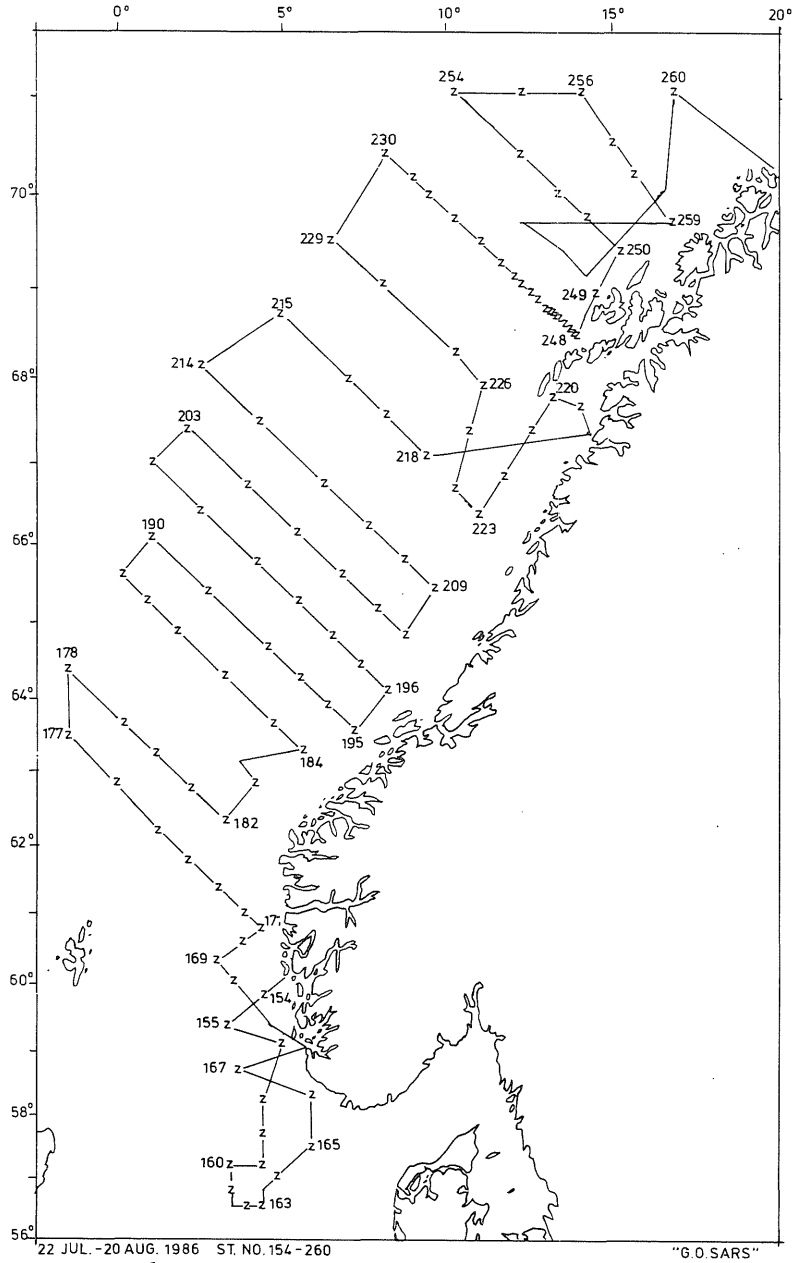
"G.O. SARS"

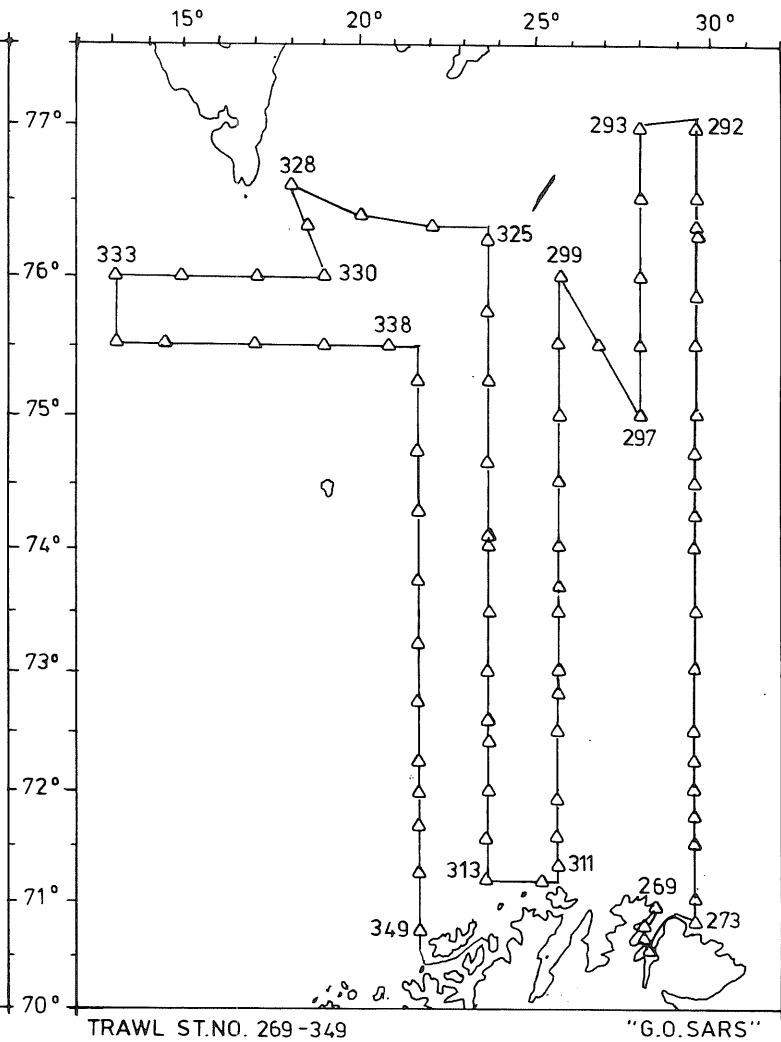
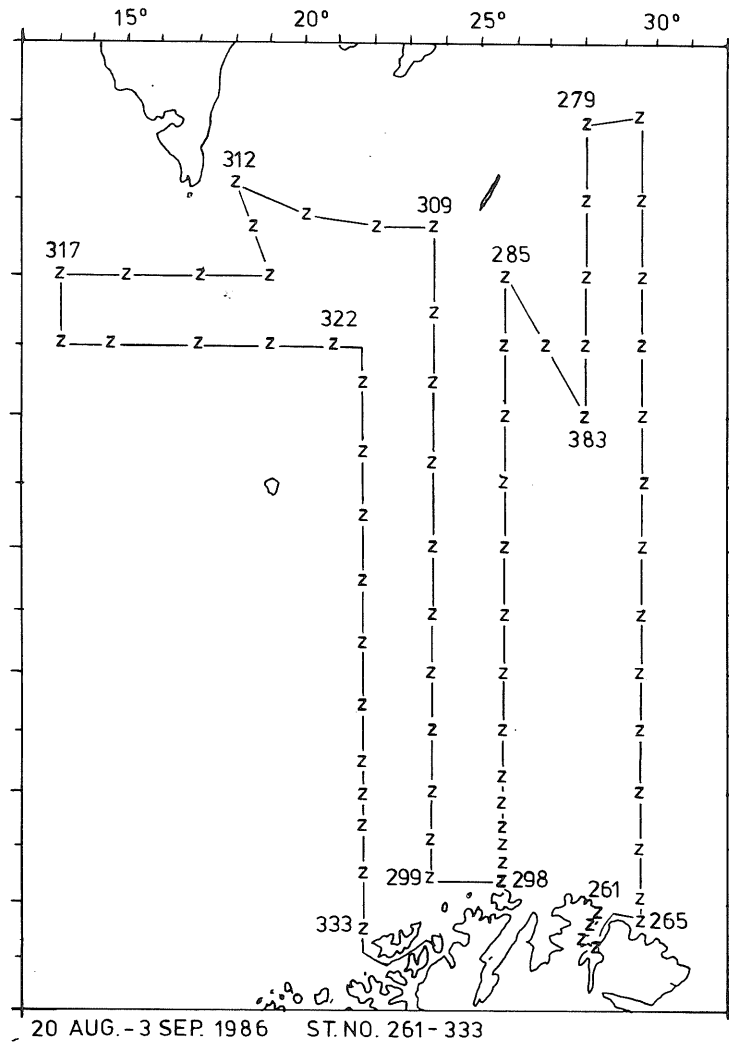


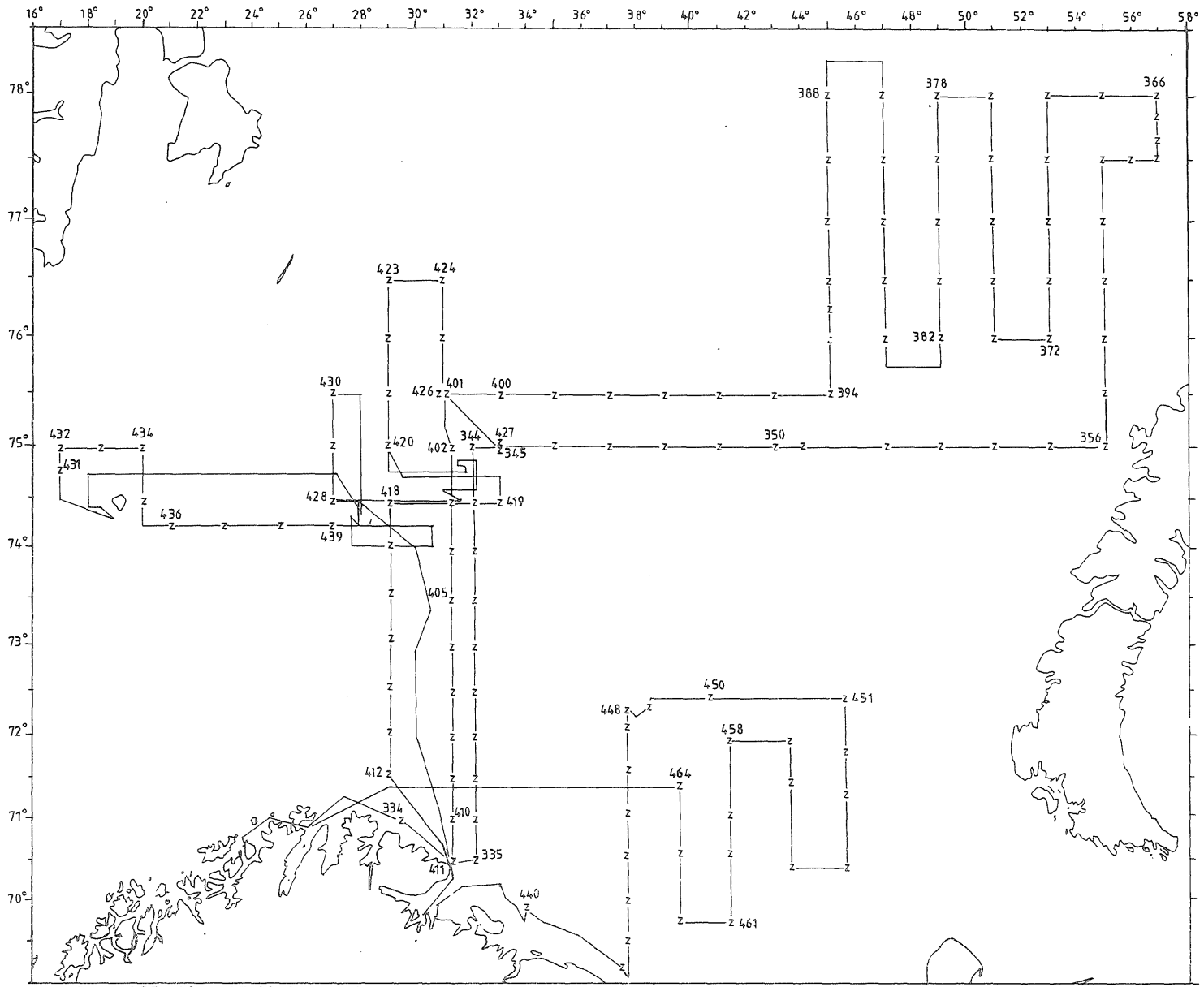
24 JAN. - 28 FEB. 1986 TRAWL ST. NO. 41-181

"G. O. SARS"



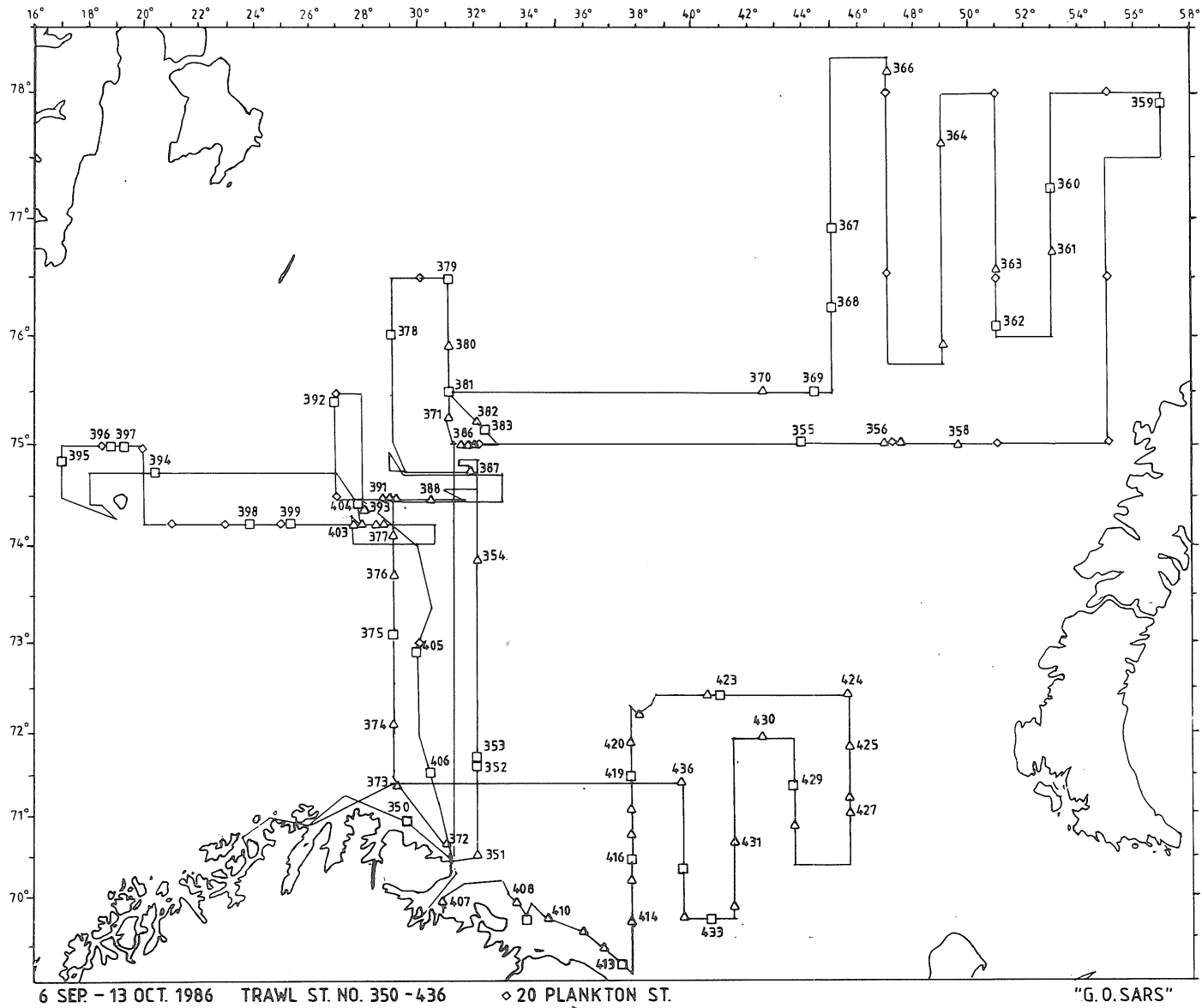


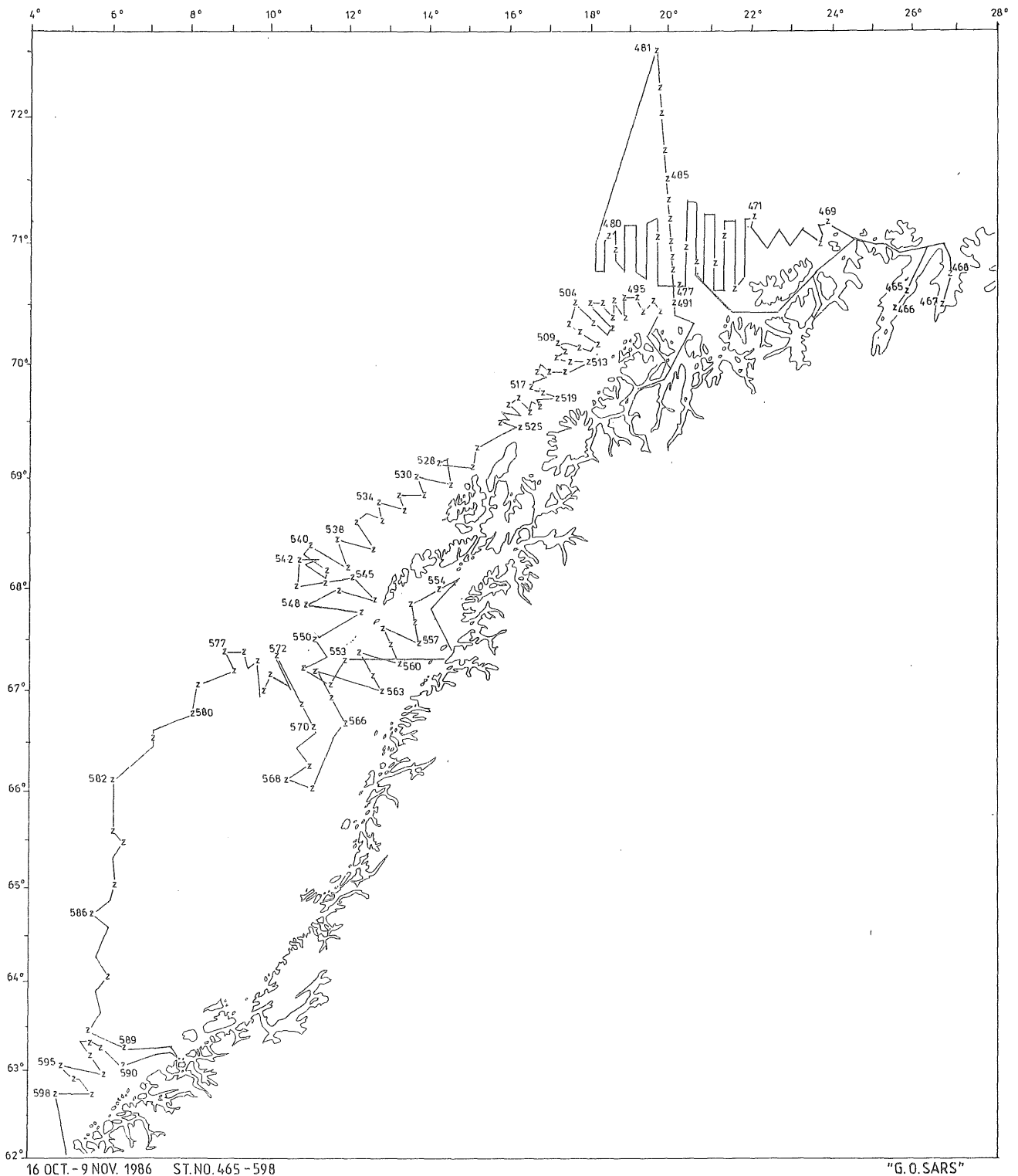


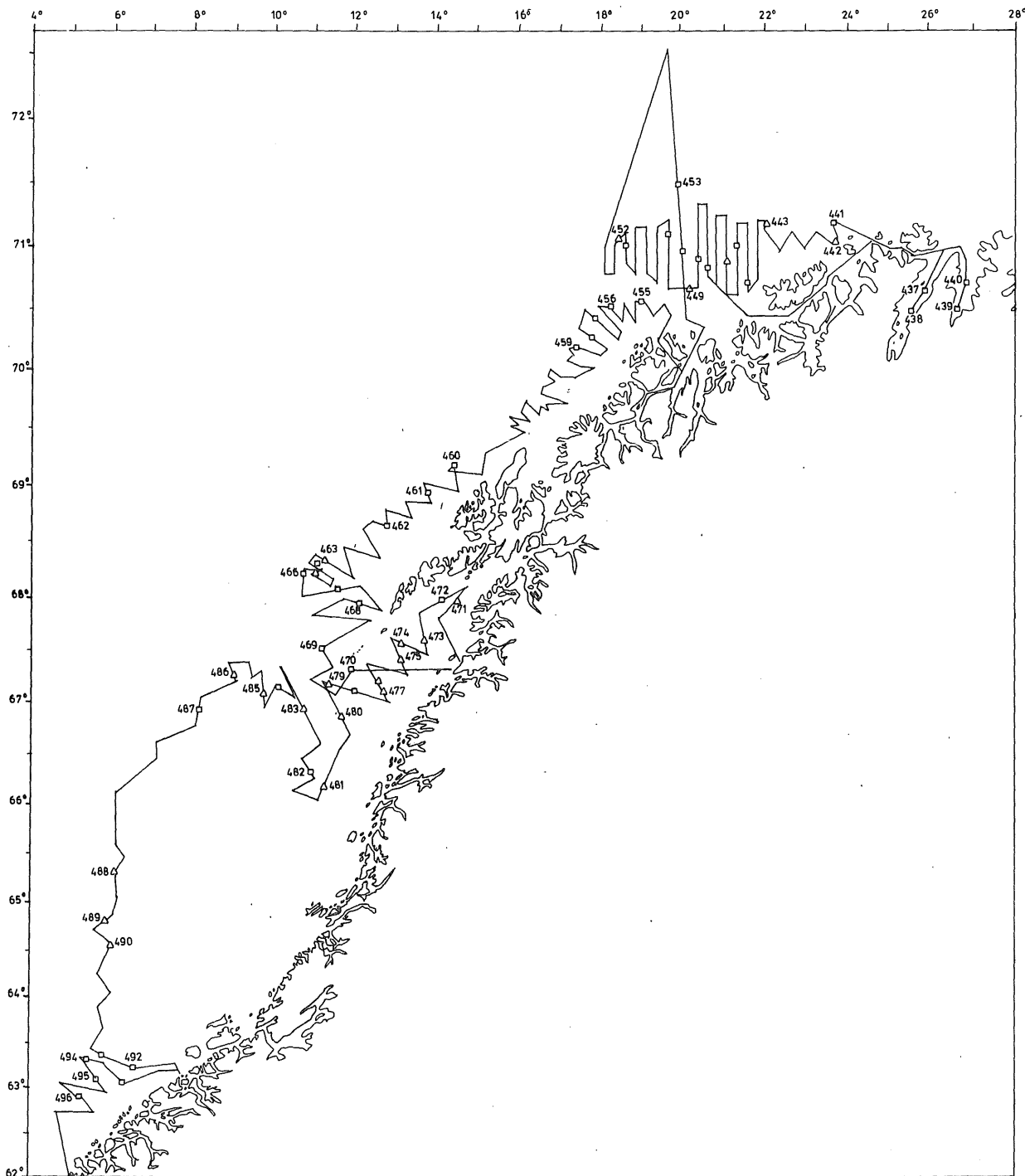


6 SEP - 13 OCT. 1986 ST. NO. 334 - 464

"G.O.SARS"

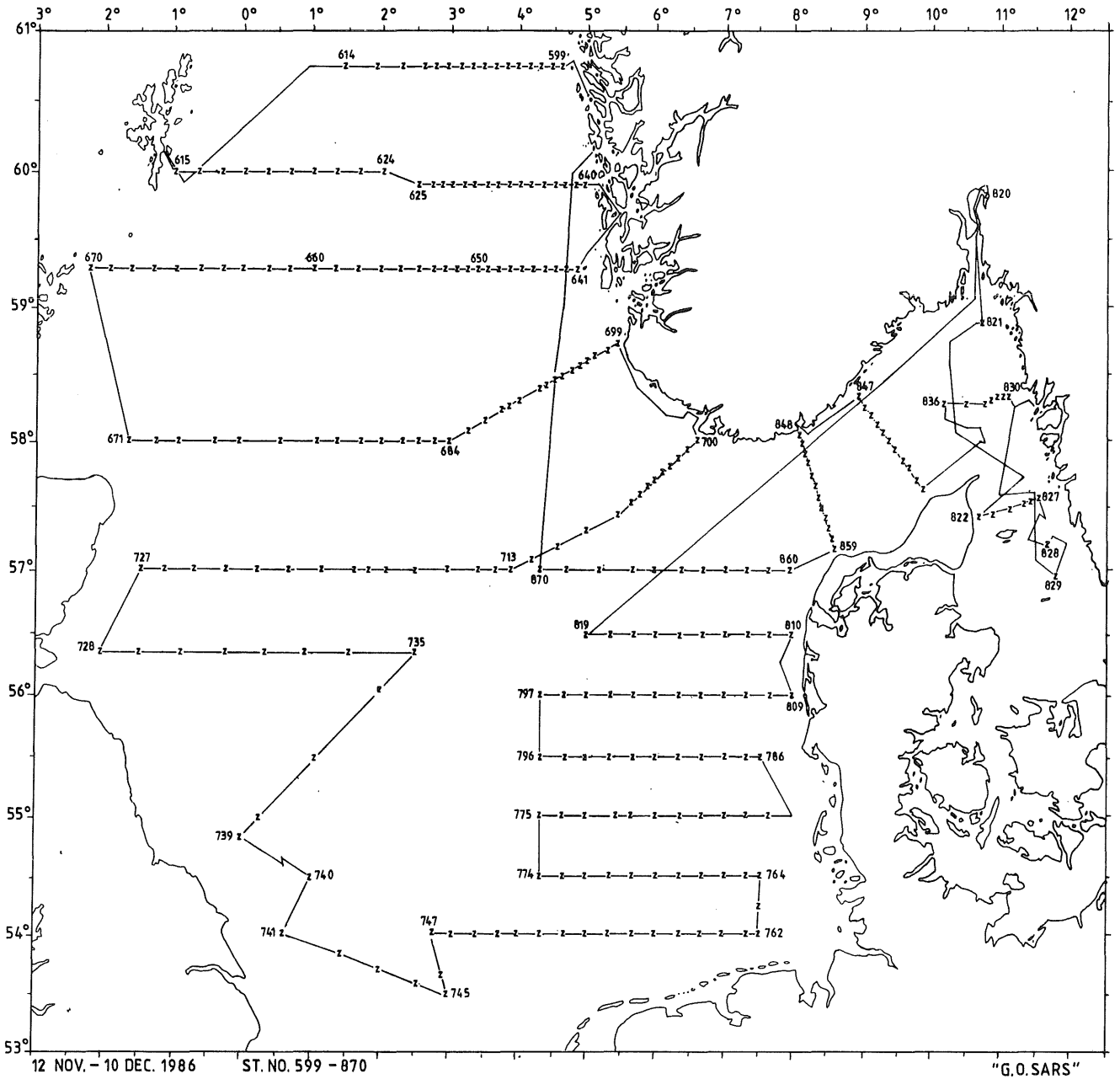


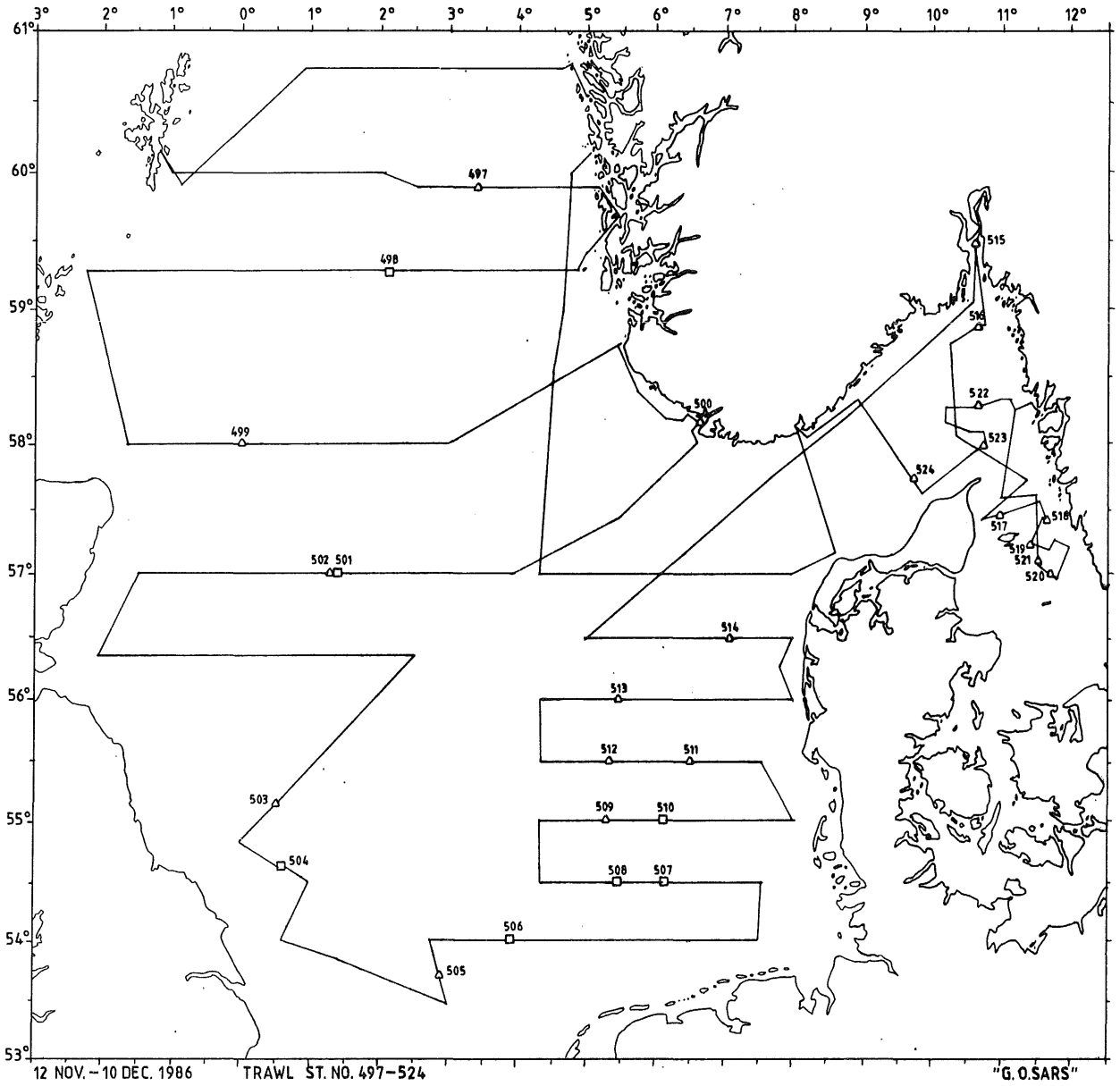


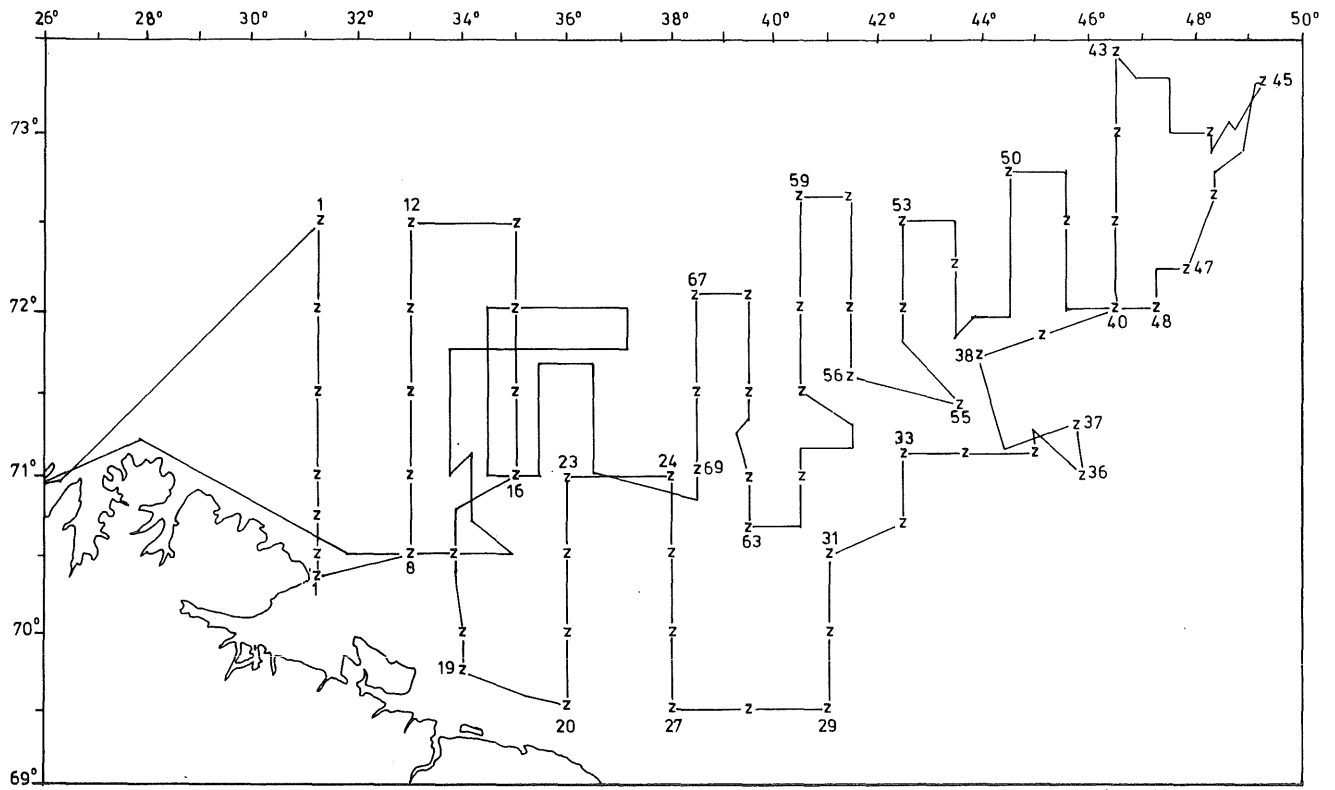


16 OCT. - 9 NOV. 1986 TRAWL ST. NO. 437 - 496

"G. O. SARS"

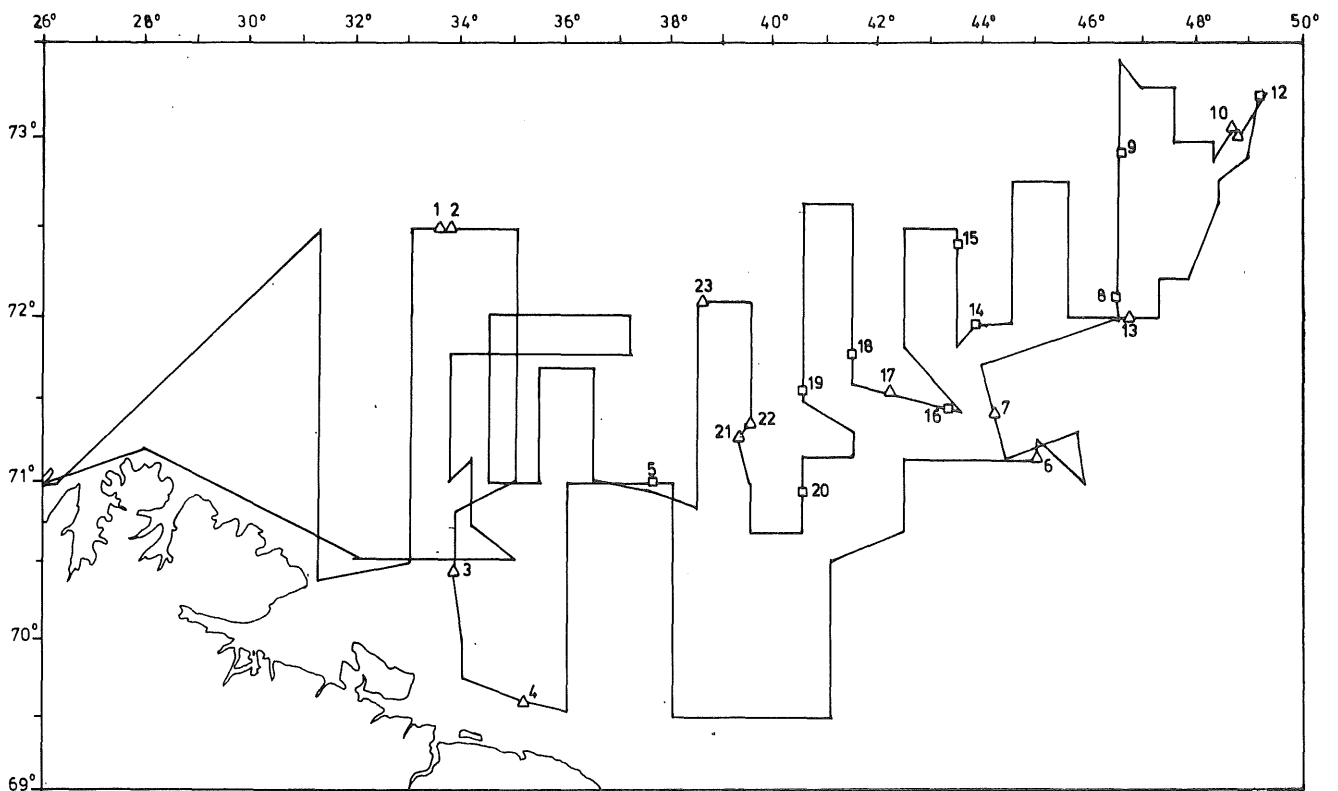






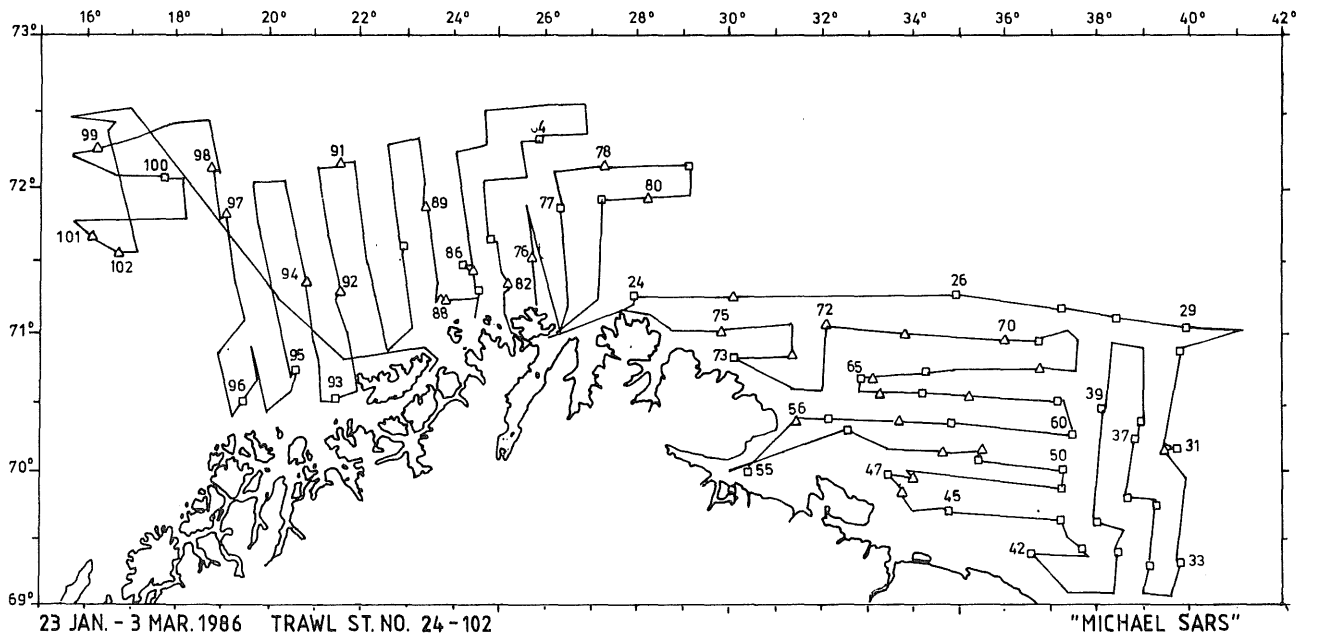
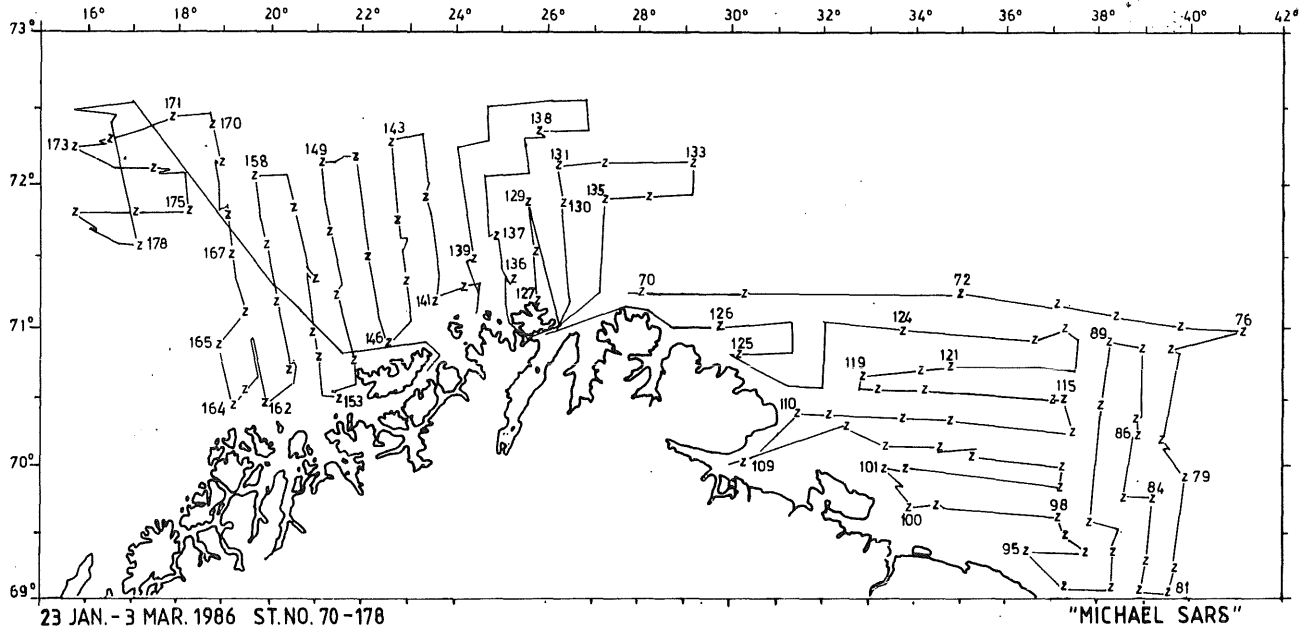
5 - 23 JAN. 1986 ST. NO. 1-69

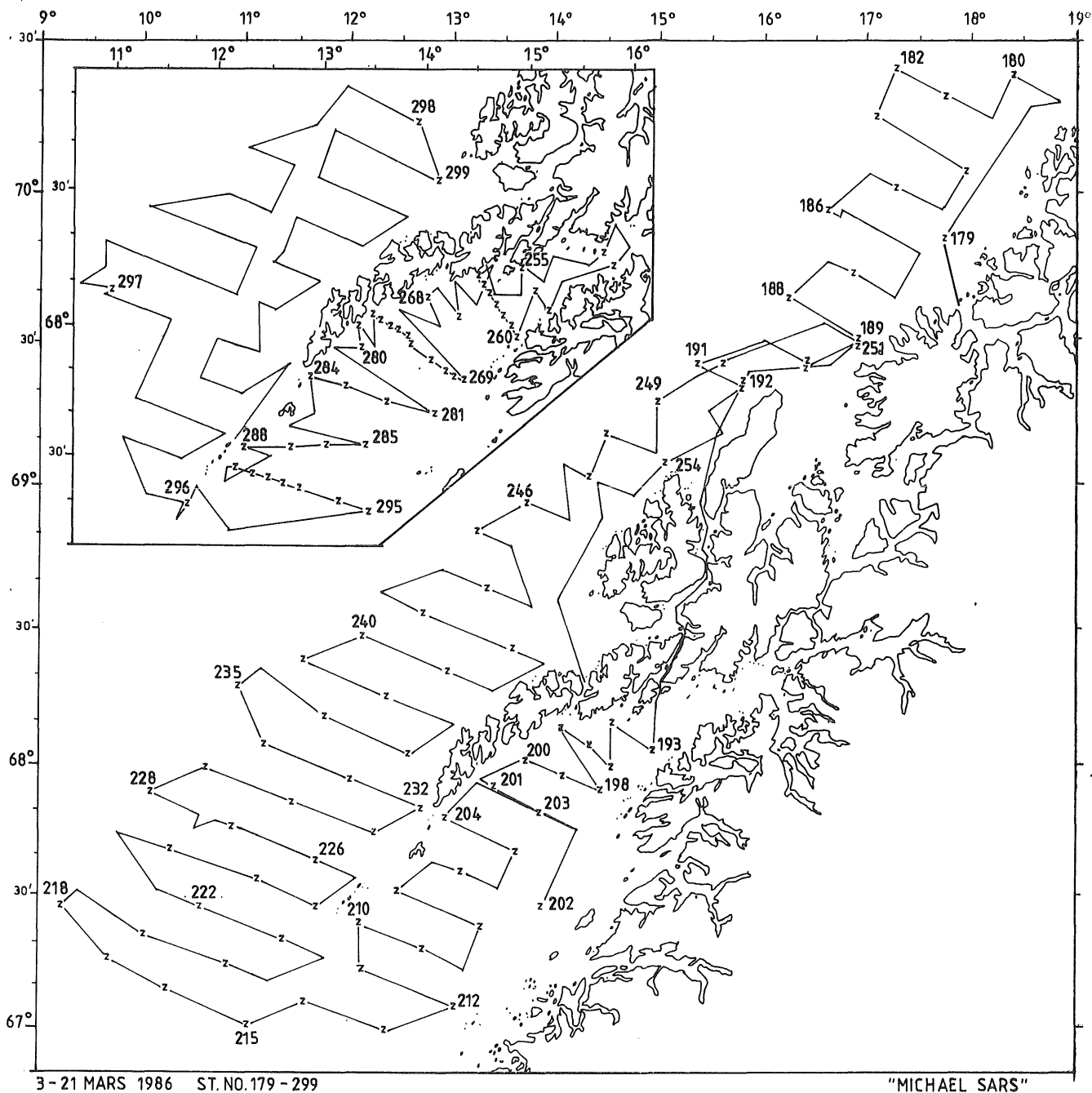
"MICHAEL SARS"

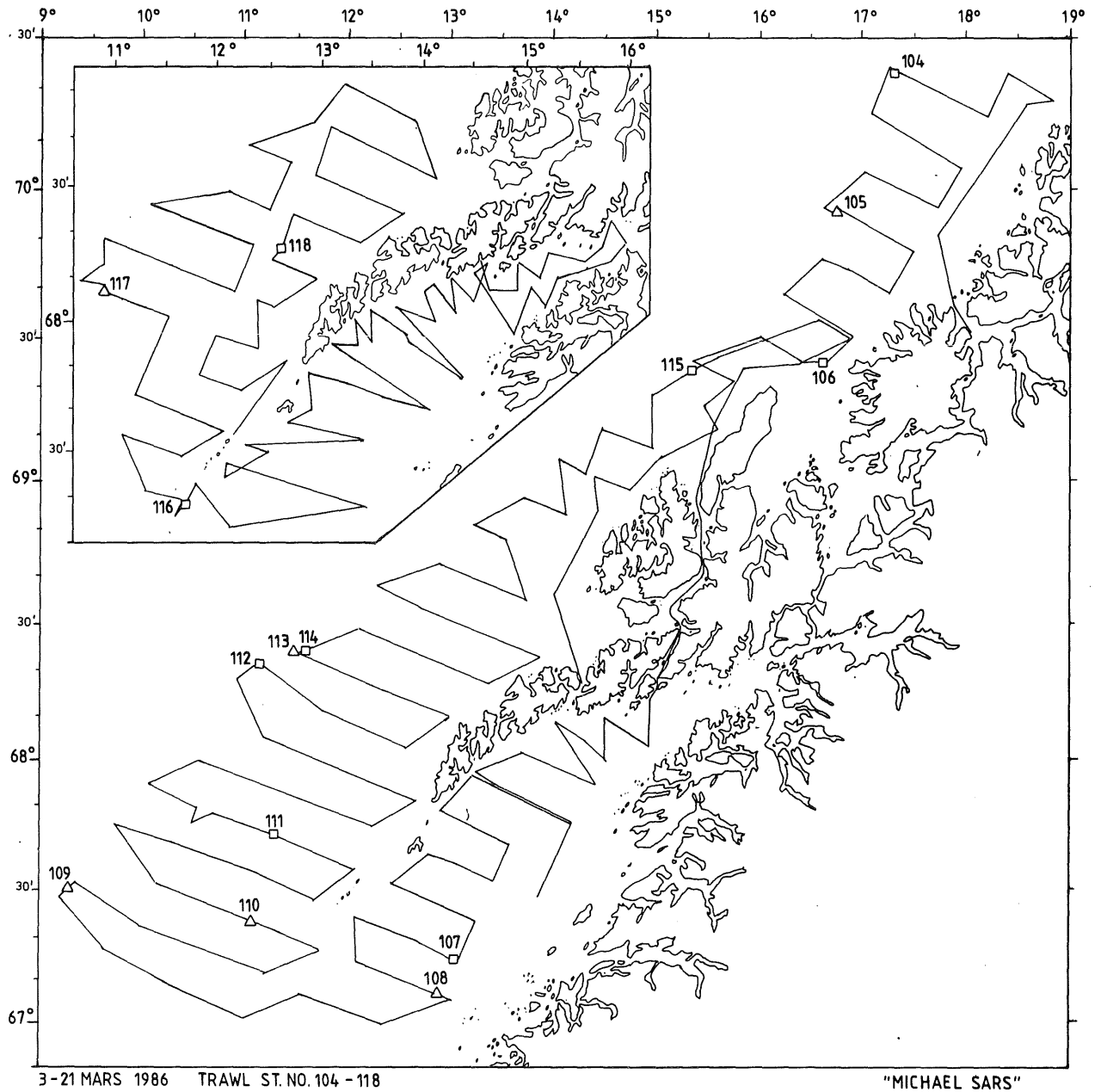


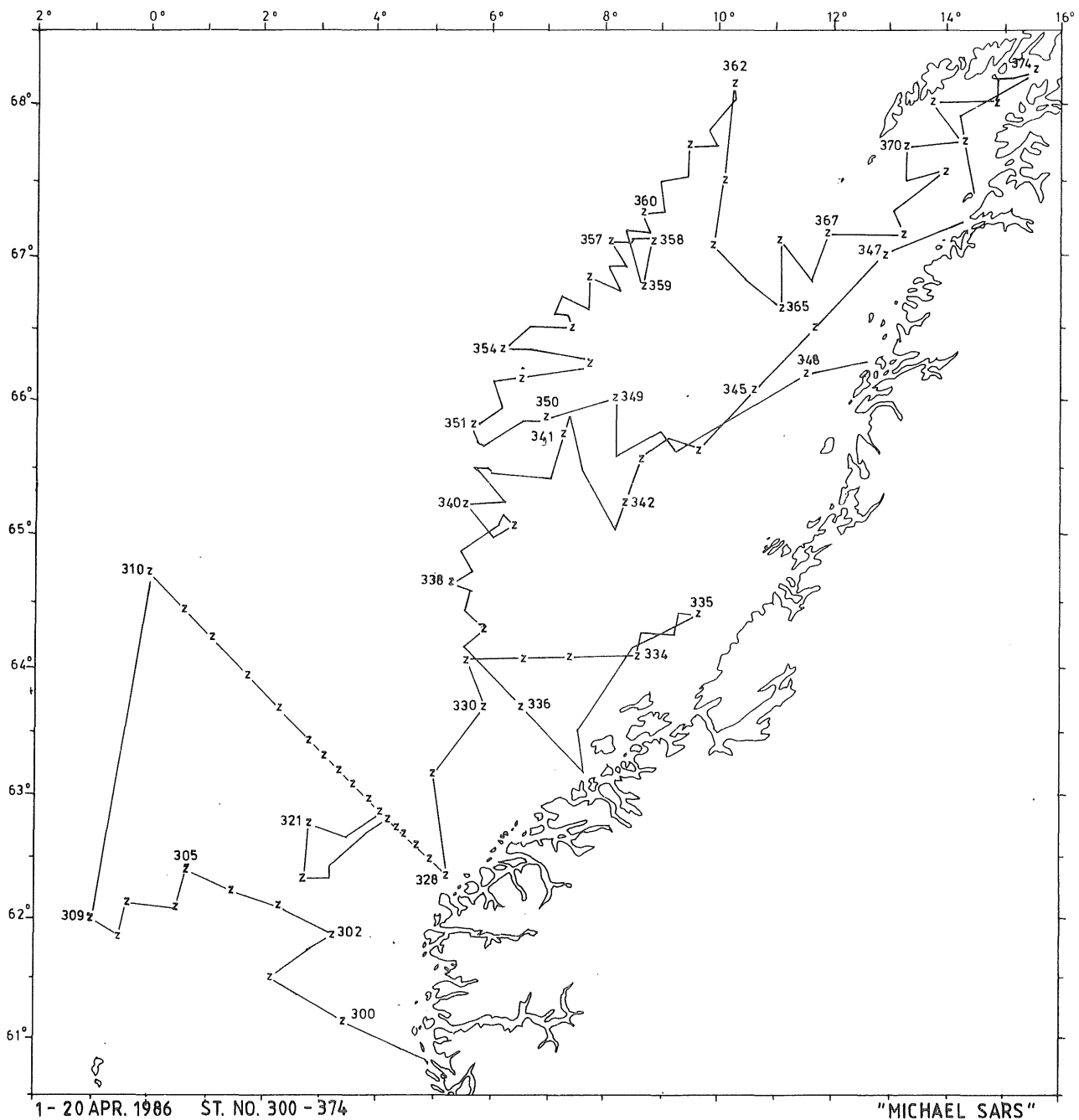
5 - 23 JAN. 1986 TRAWL ST. NO. 1-23

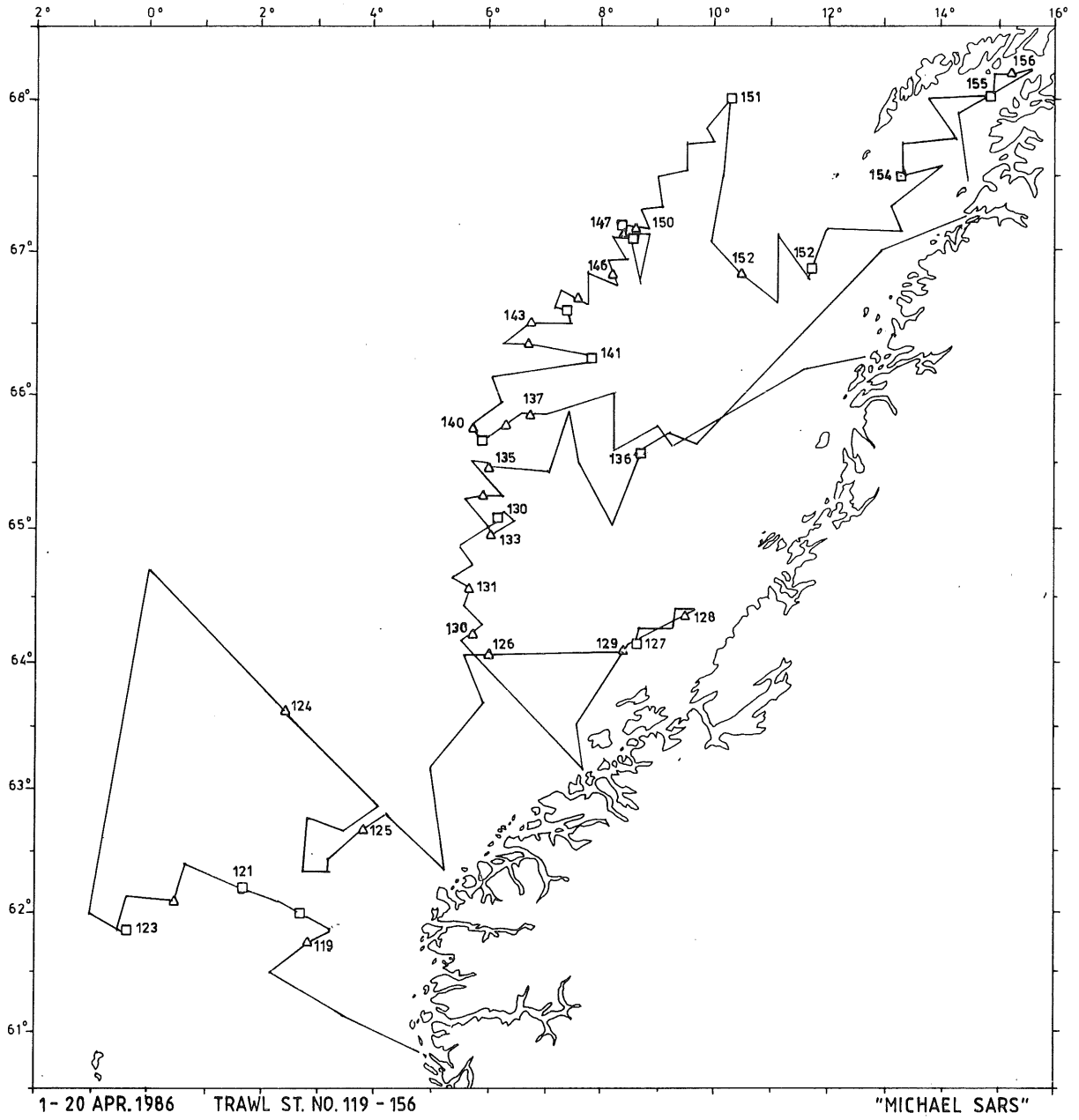
"MICHAEL SARS"

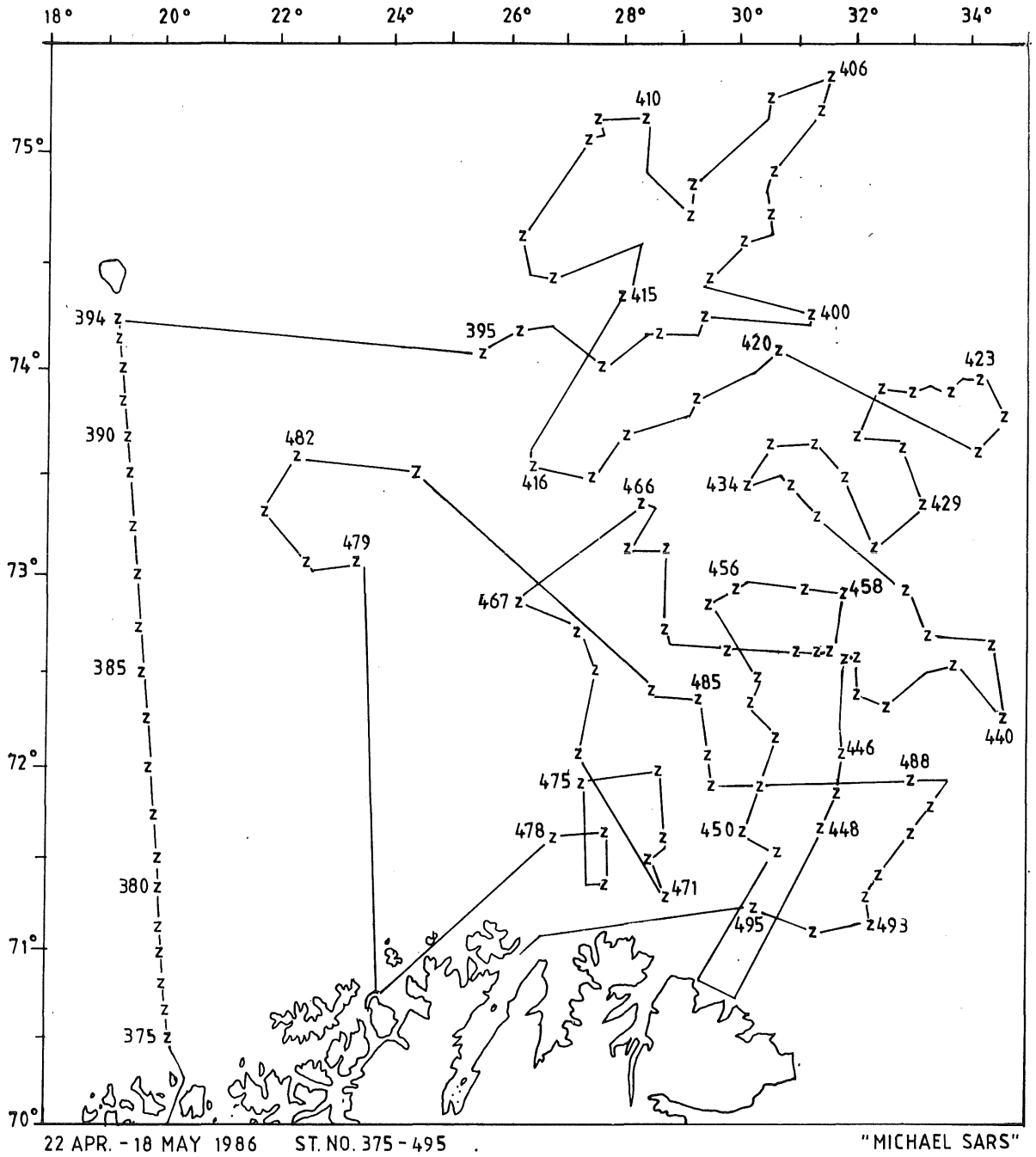


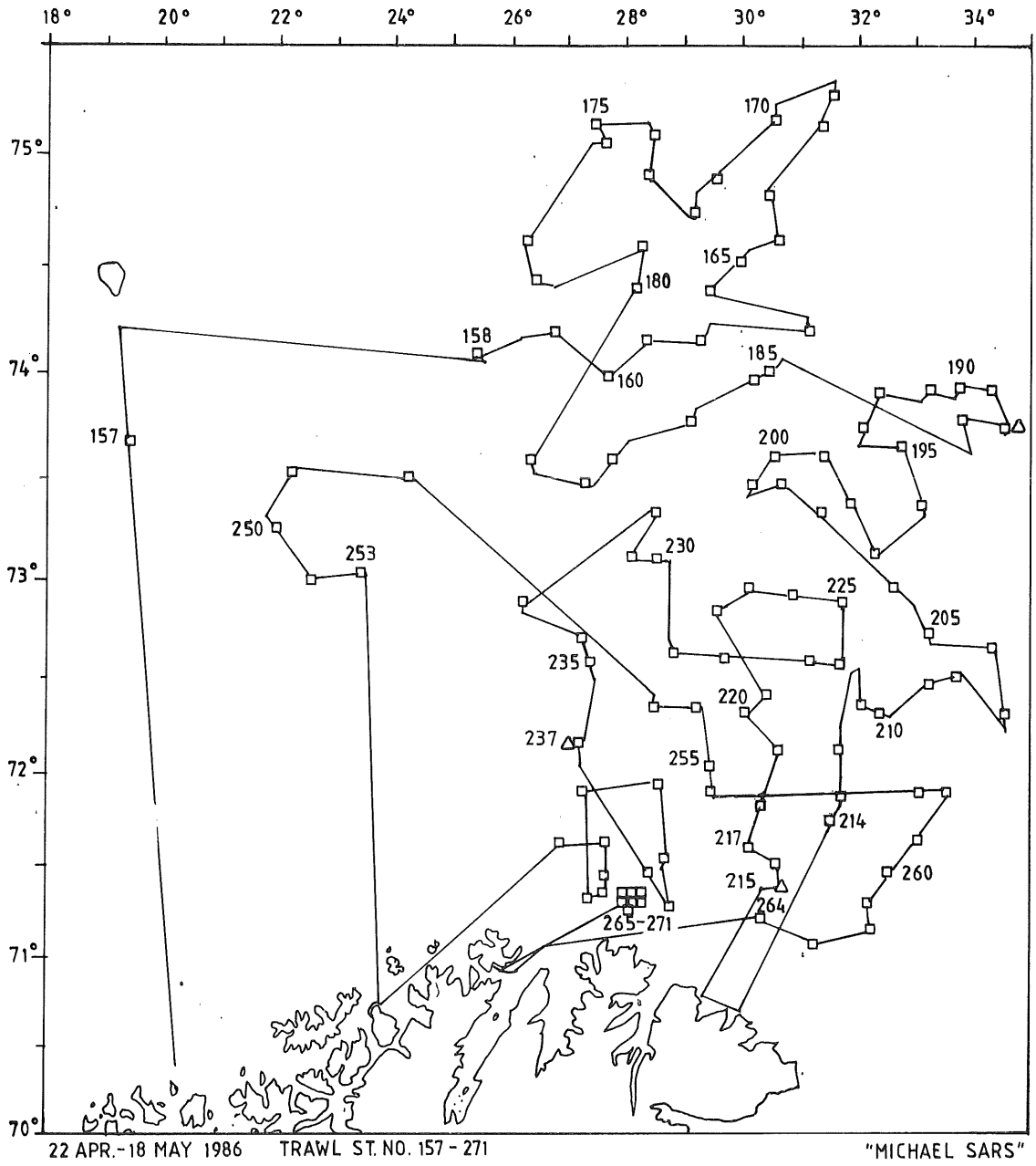


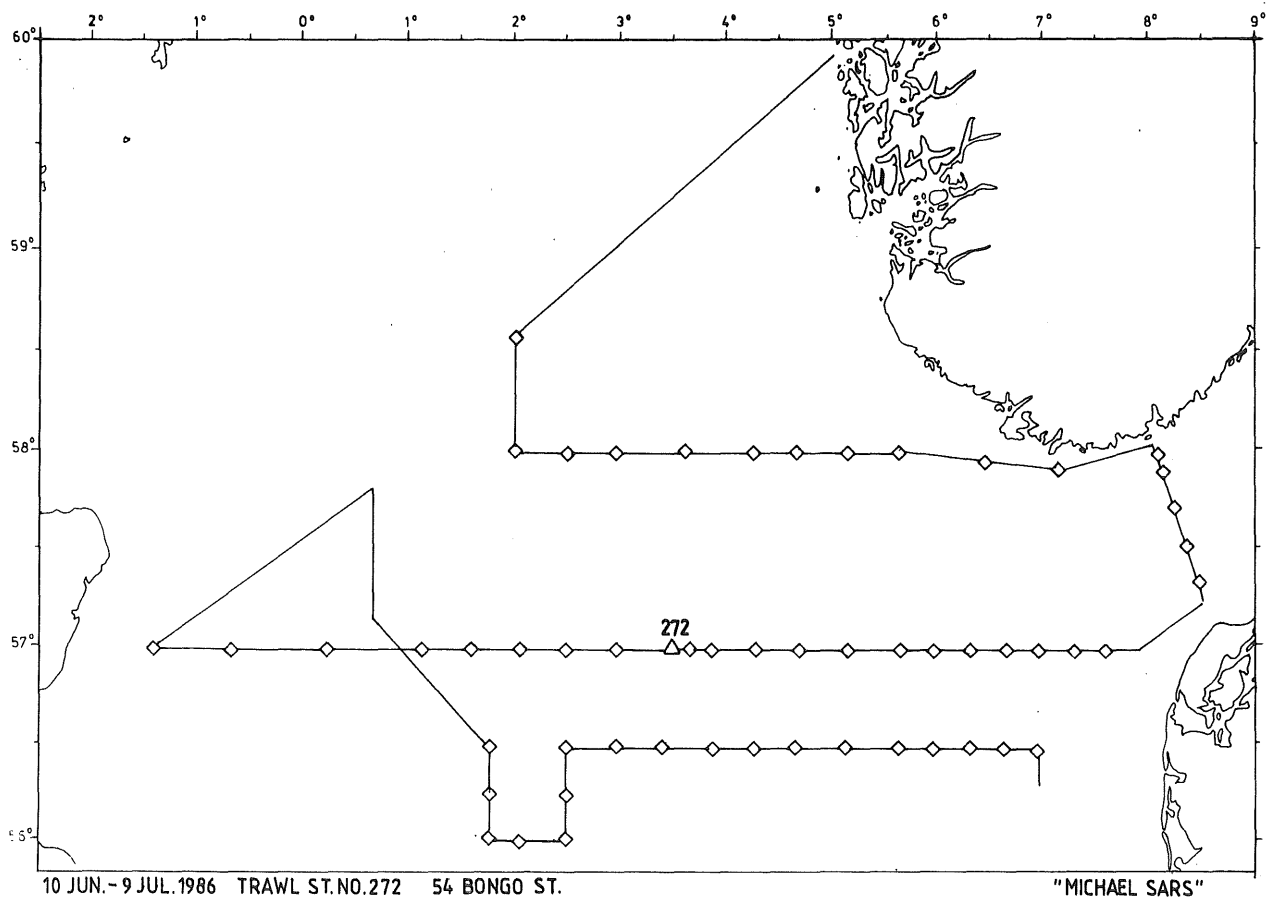
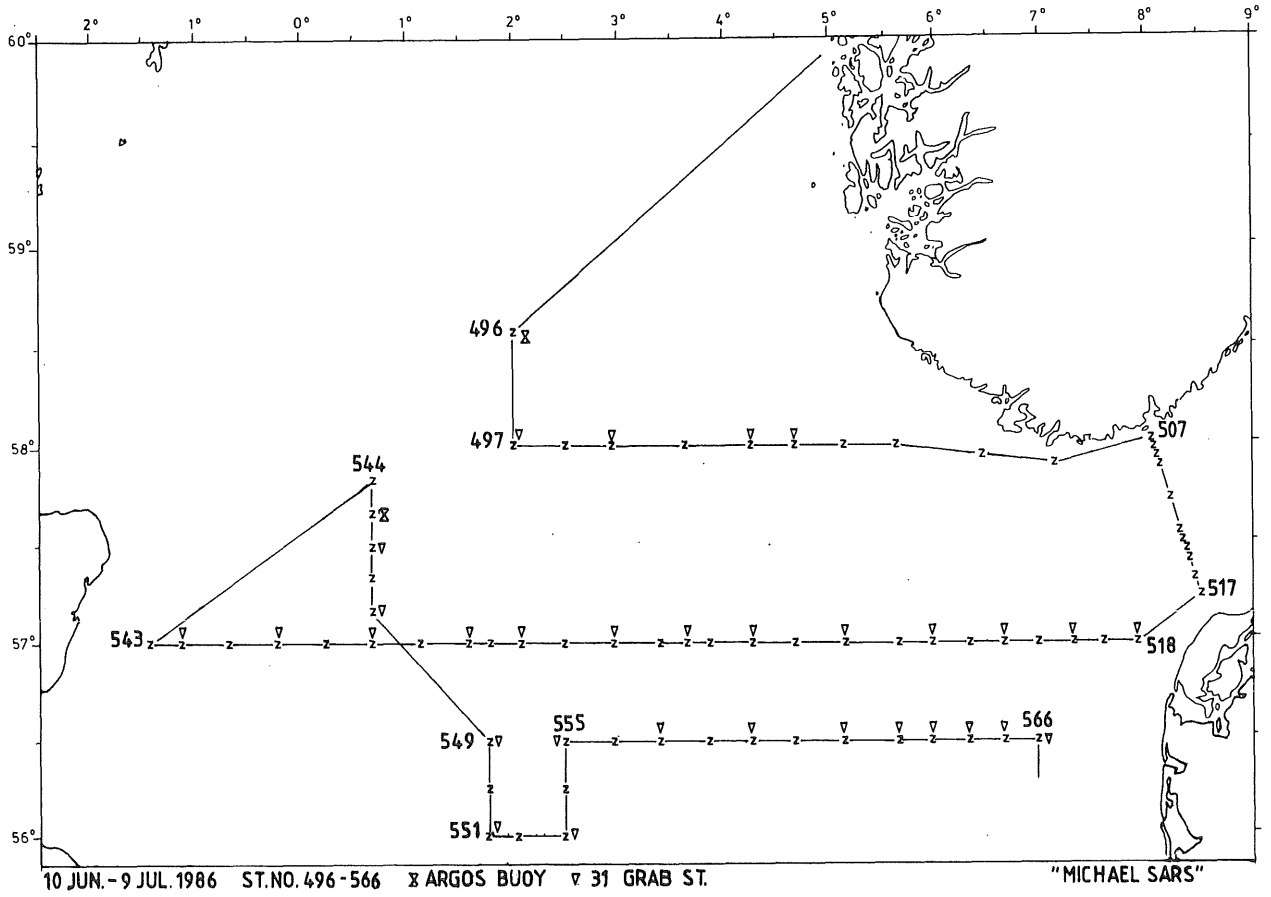


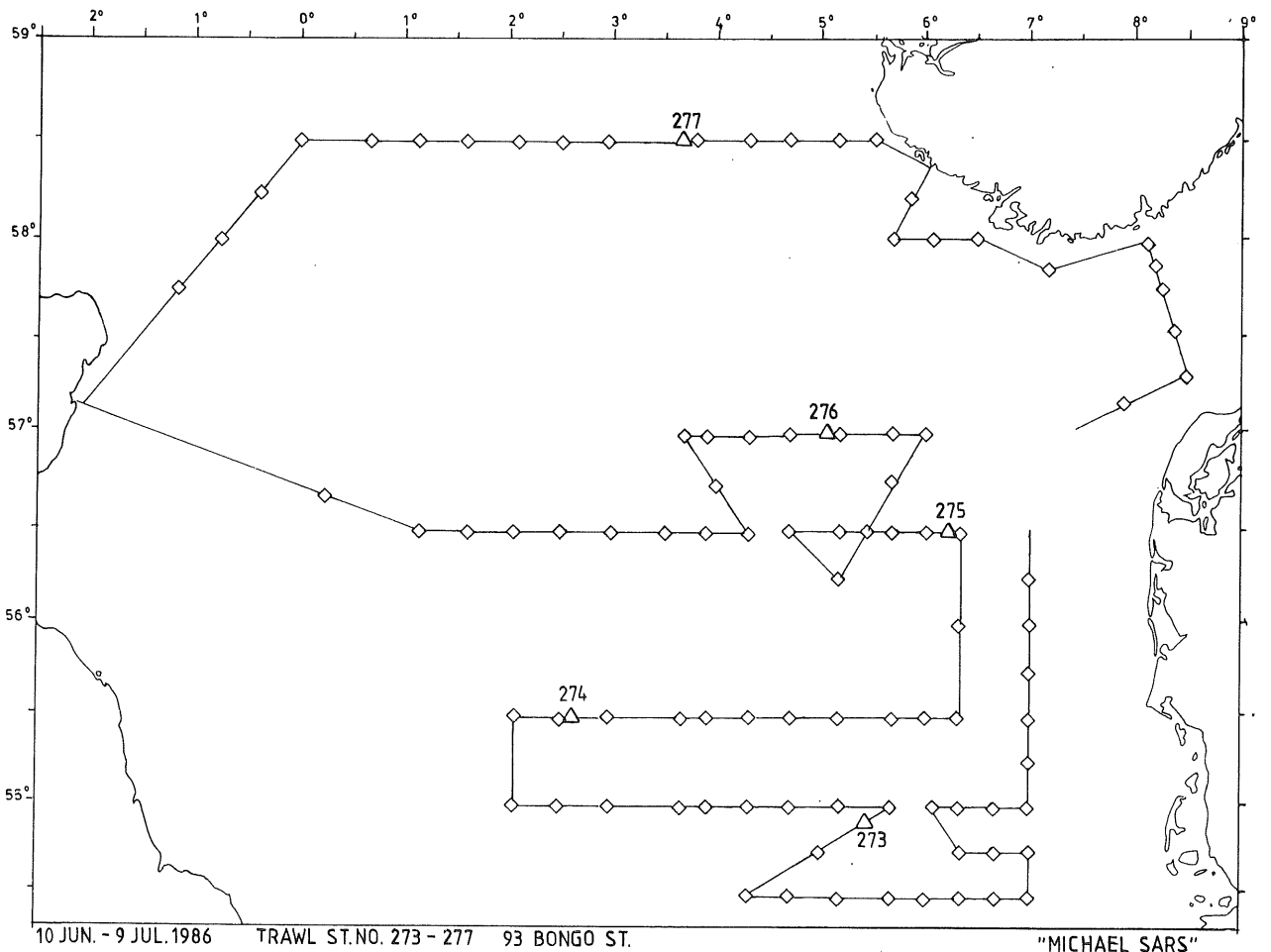
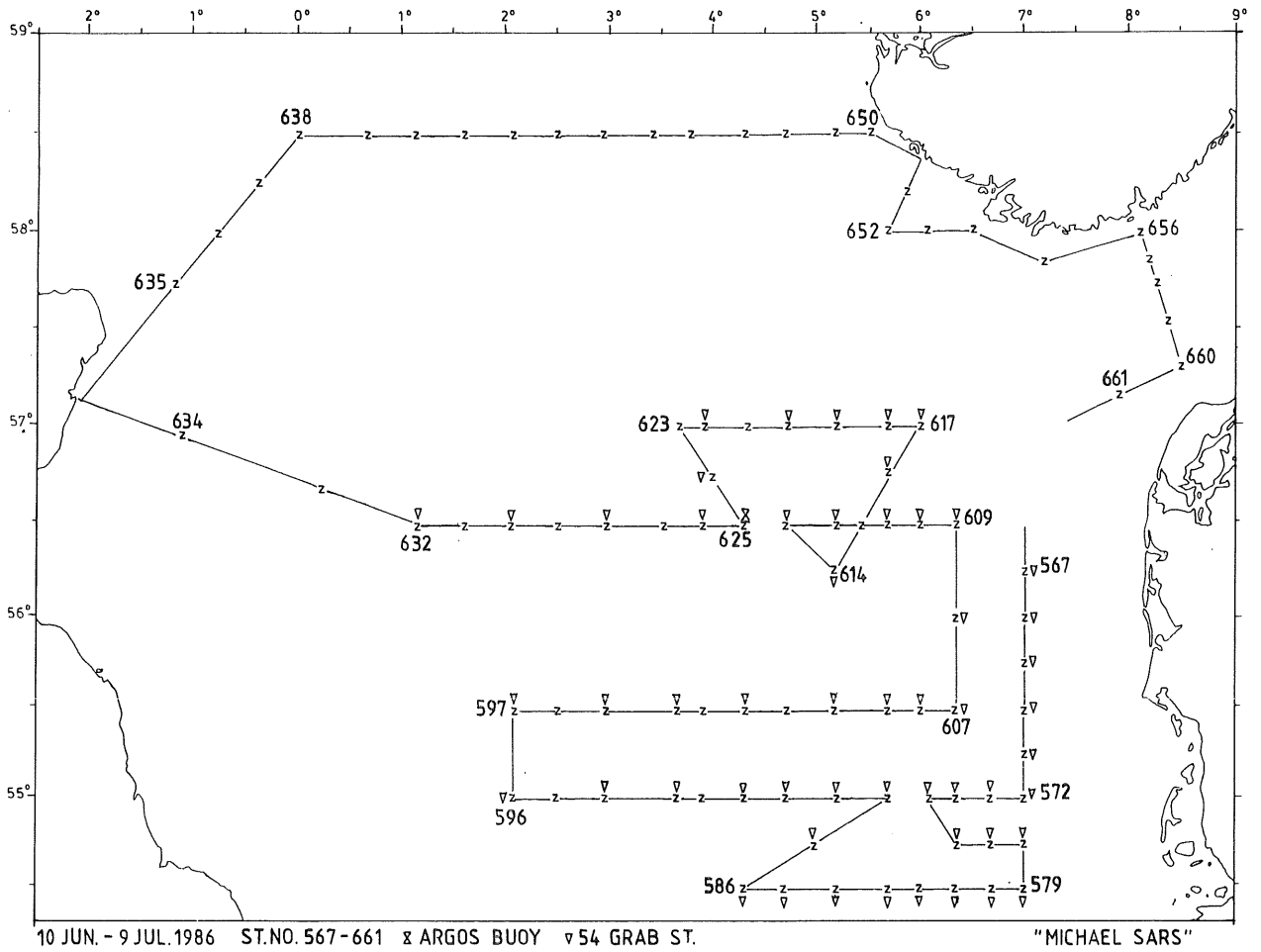


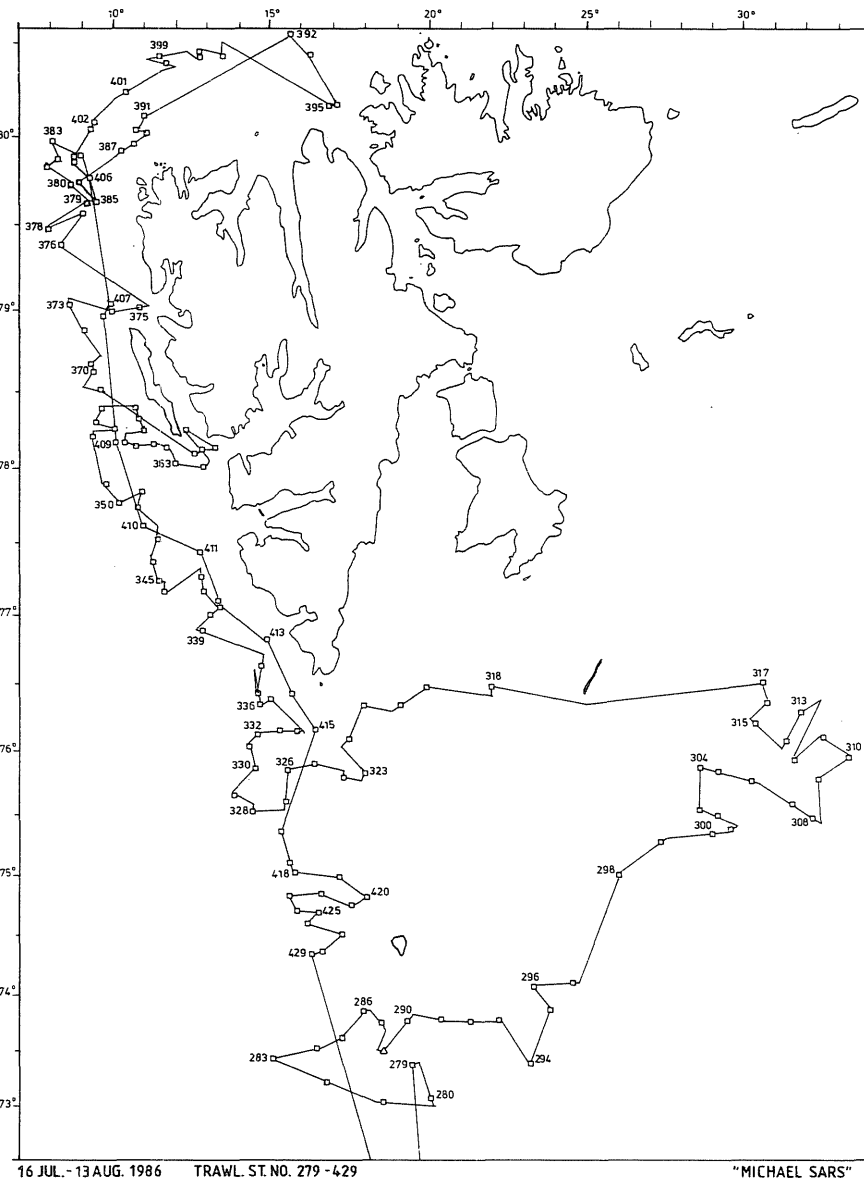
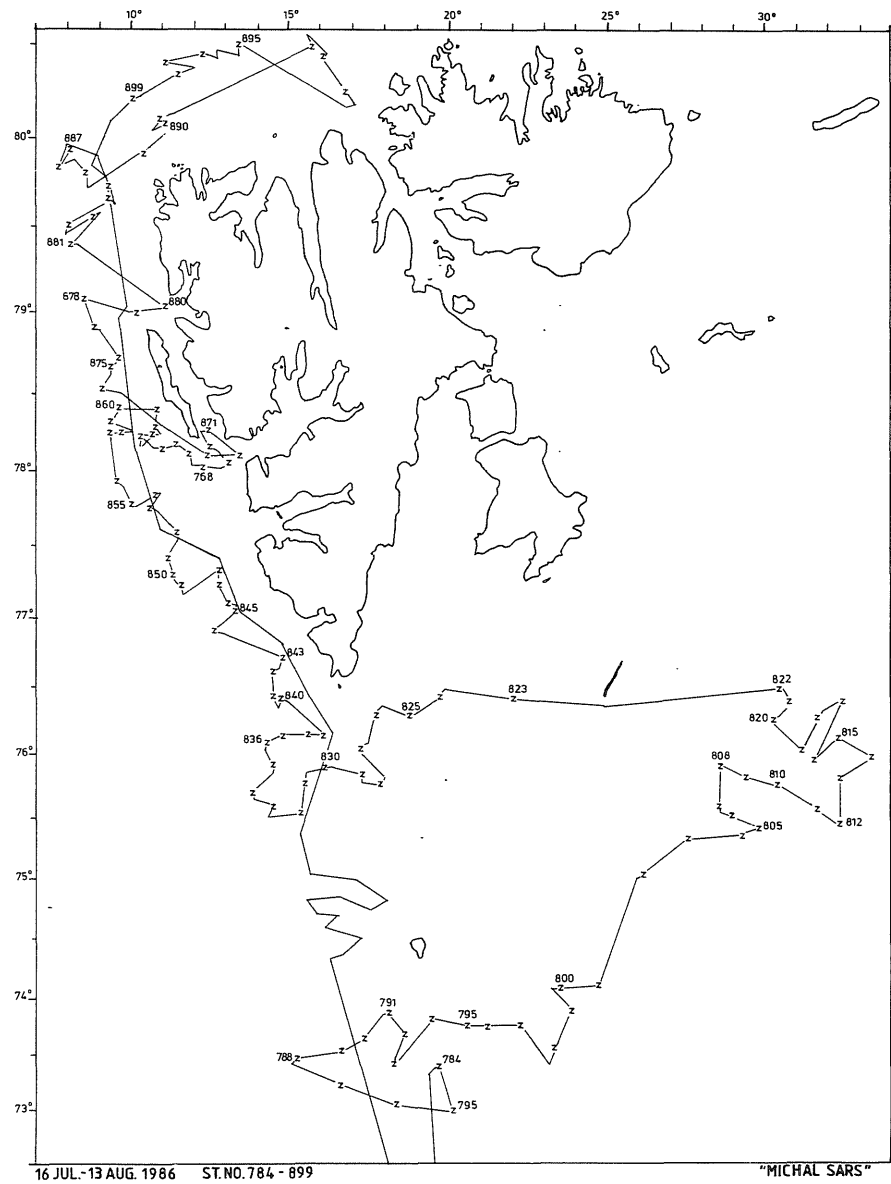


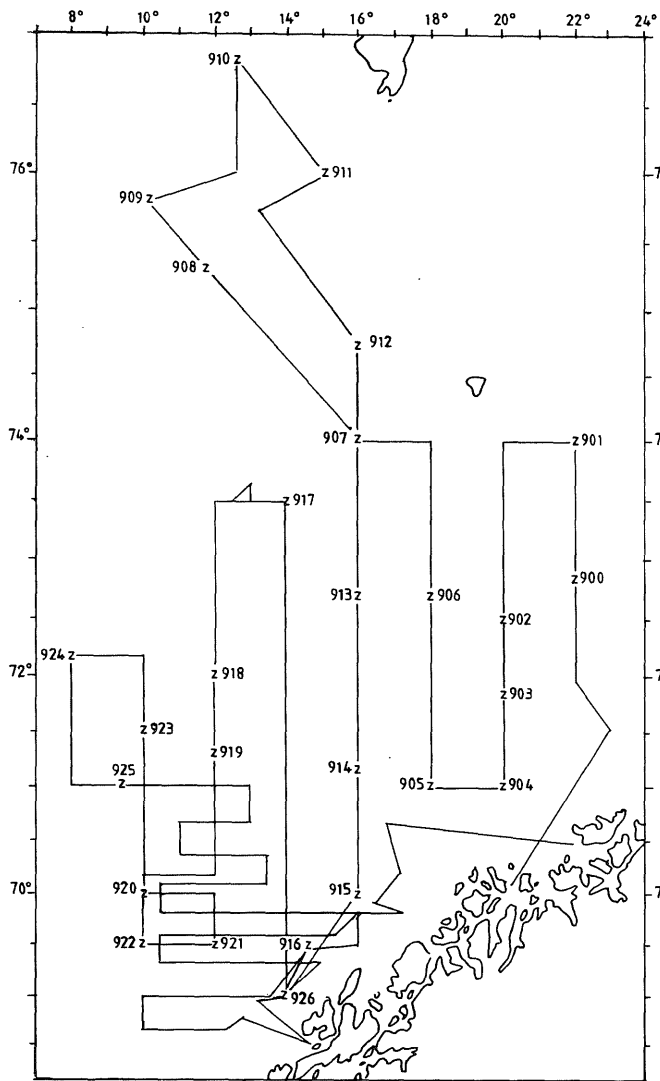




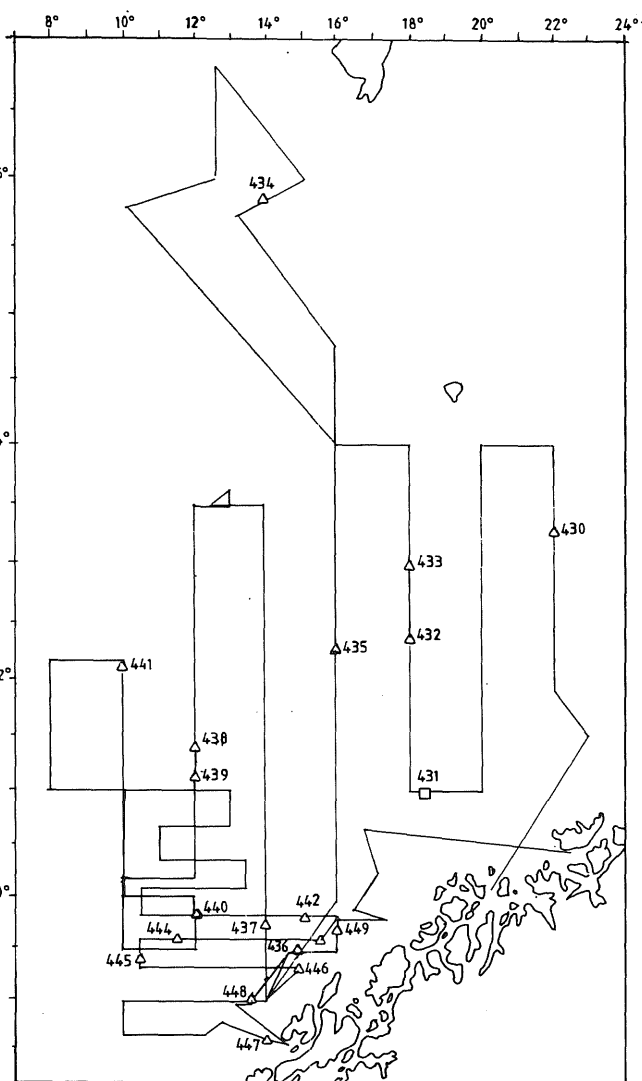




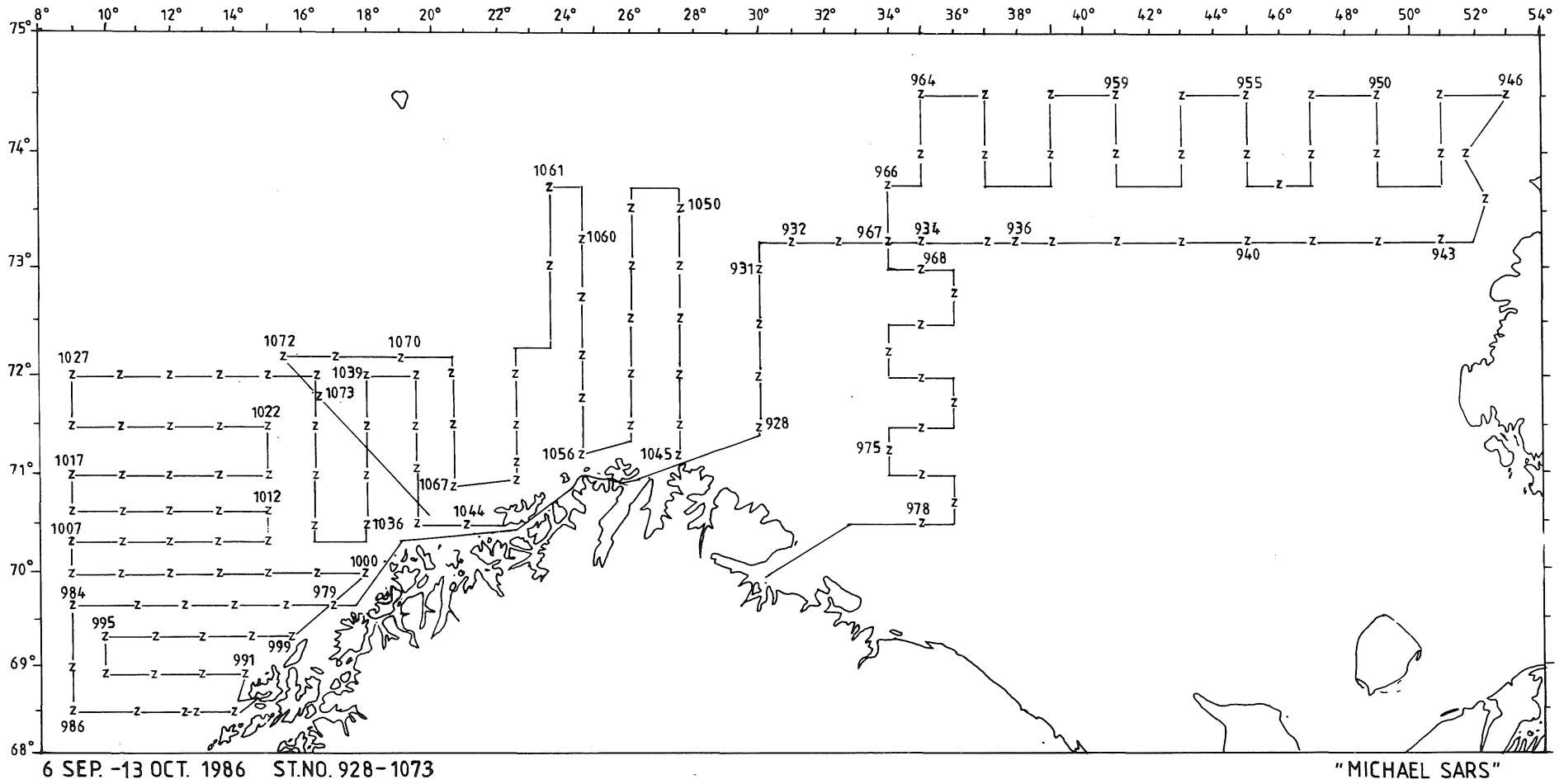


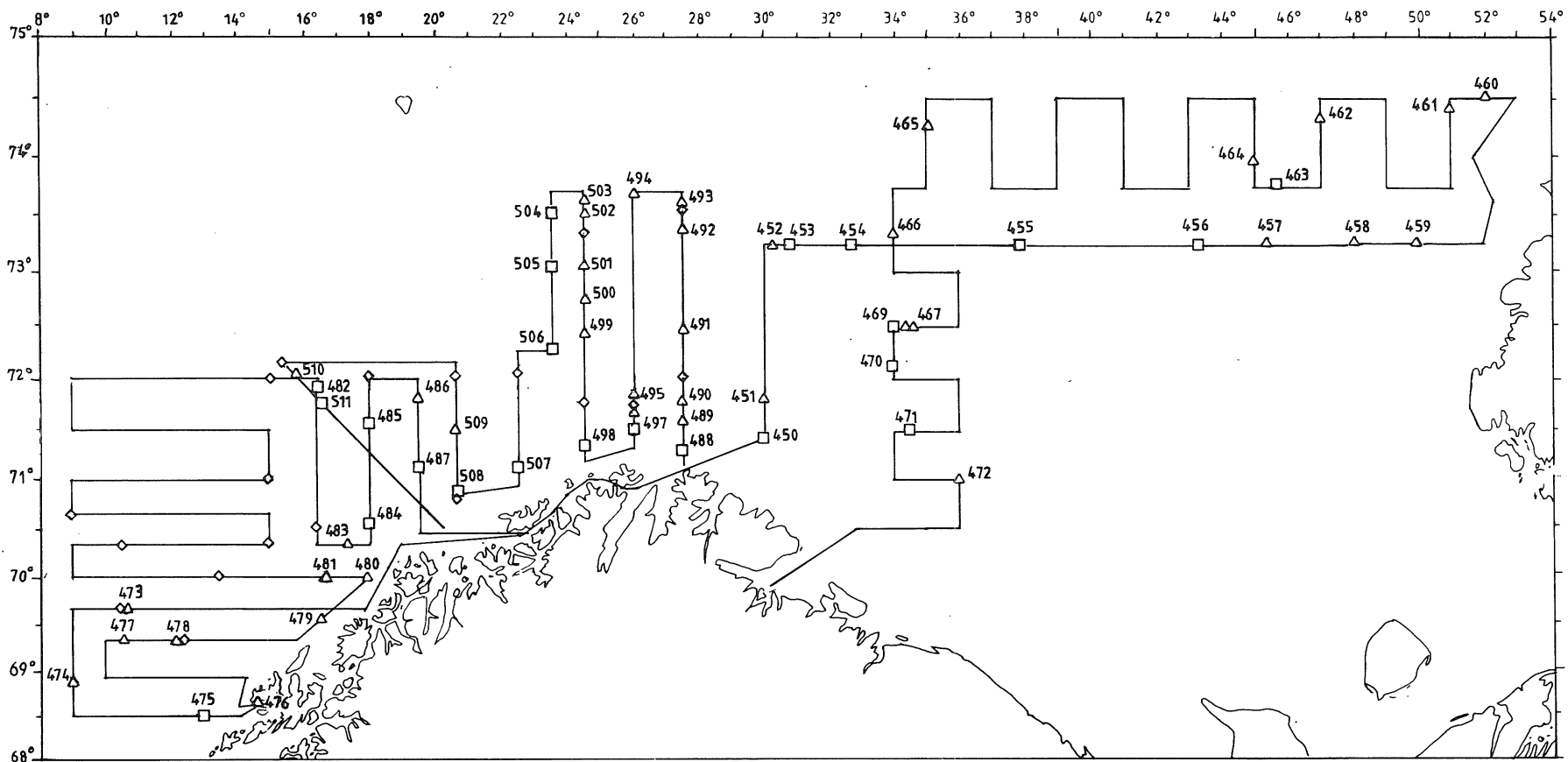


15 AUG. - 6 SEP. 1986 ST.NO.900-926



TRAWL ST.NO.430-449 "MICHAEL SARS"



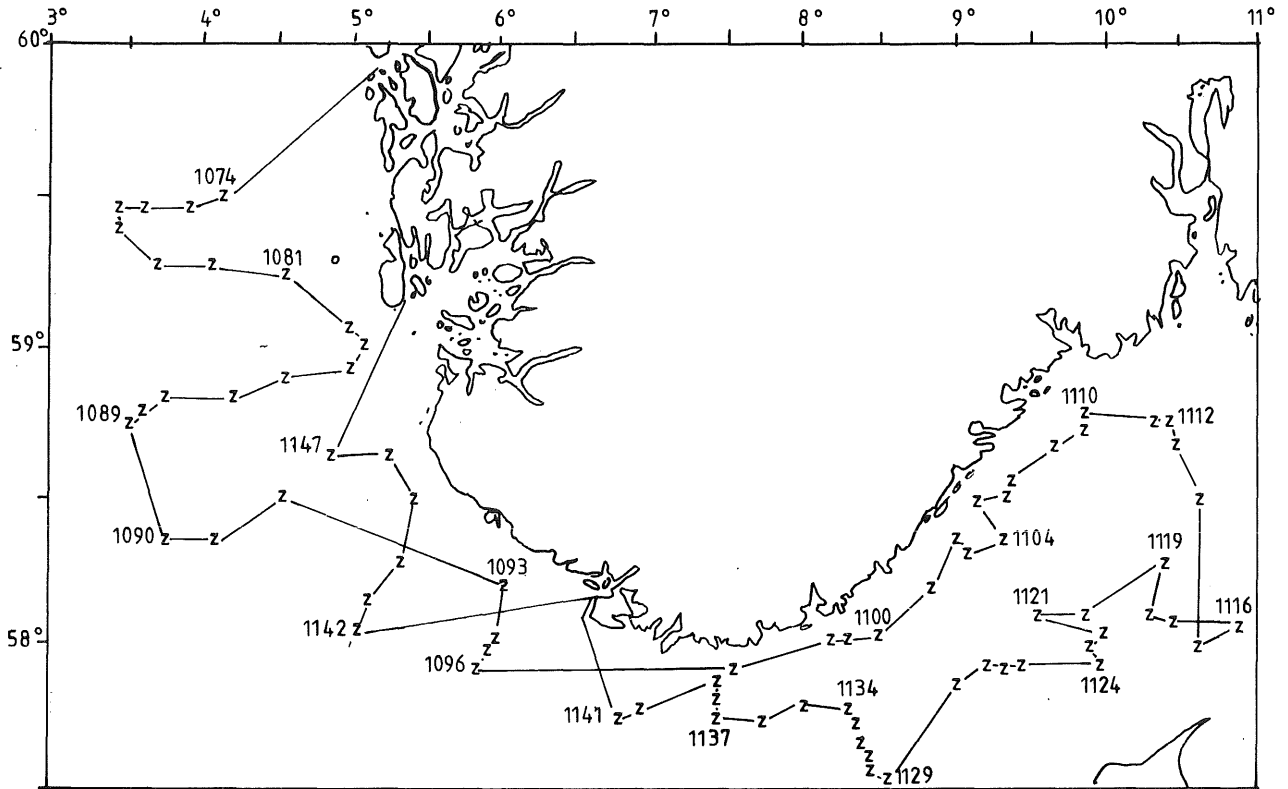


6 SEP-13 OCT. 1986

TRAWL ST. NO. 450-511

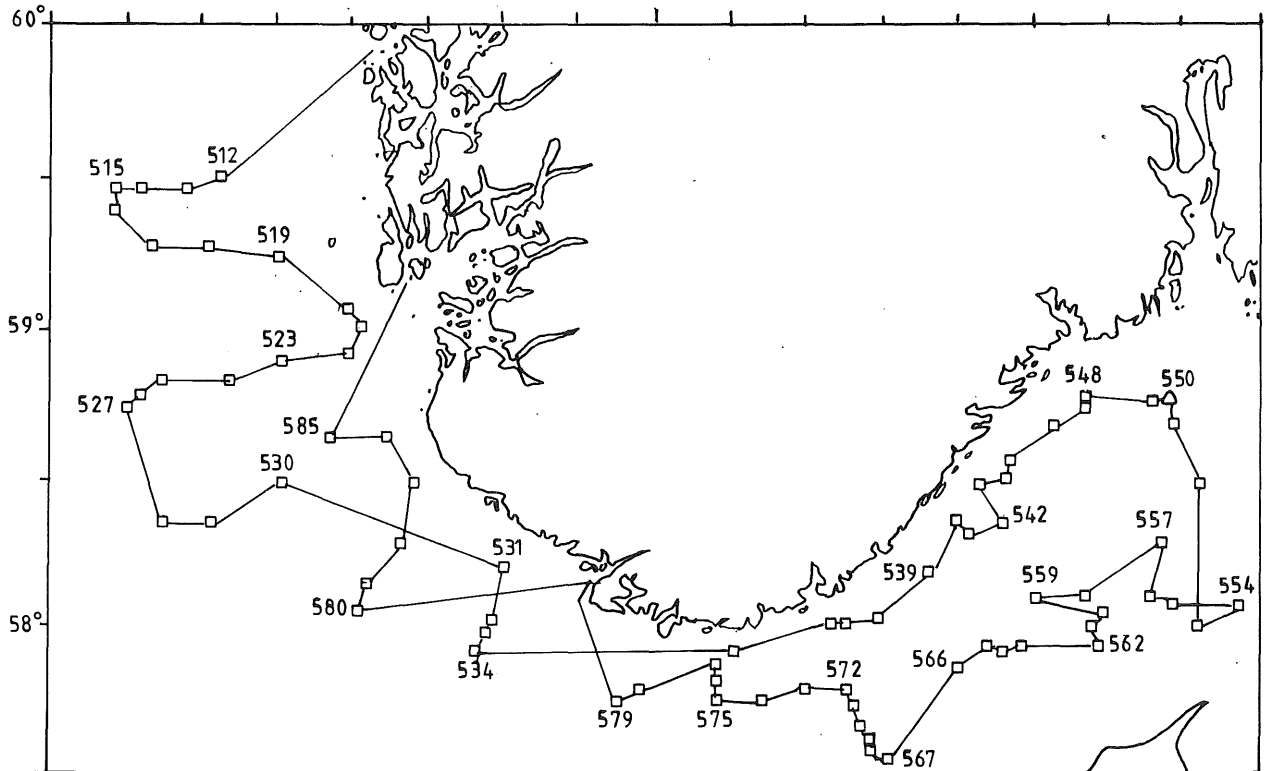
◇ 20 PLANKTON ST.

"MICHAEL SARS"



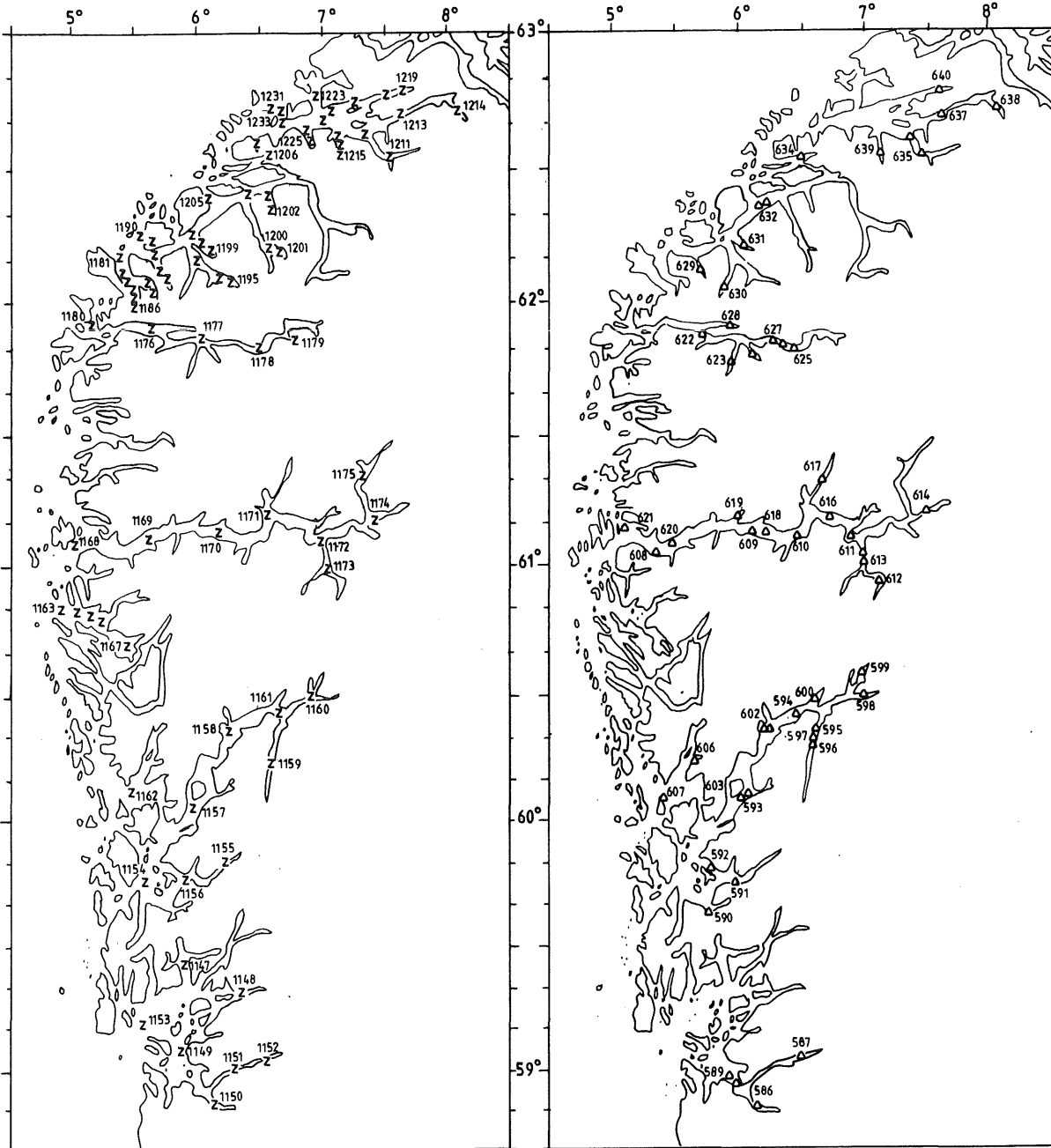
22 OCT. - 8 NOV. 1986 ST. NO. 1074 - 1147

"MICHAEL SARŠ"



22 OCT. - 8 NOV. 1986 TRAWL ST. NO. 512 - 585

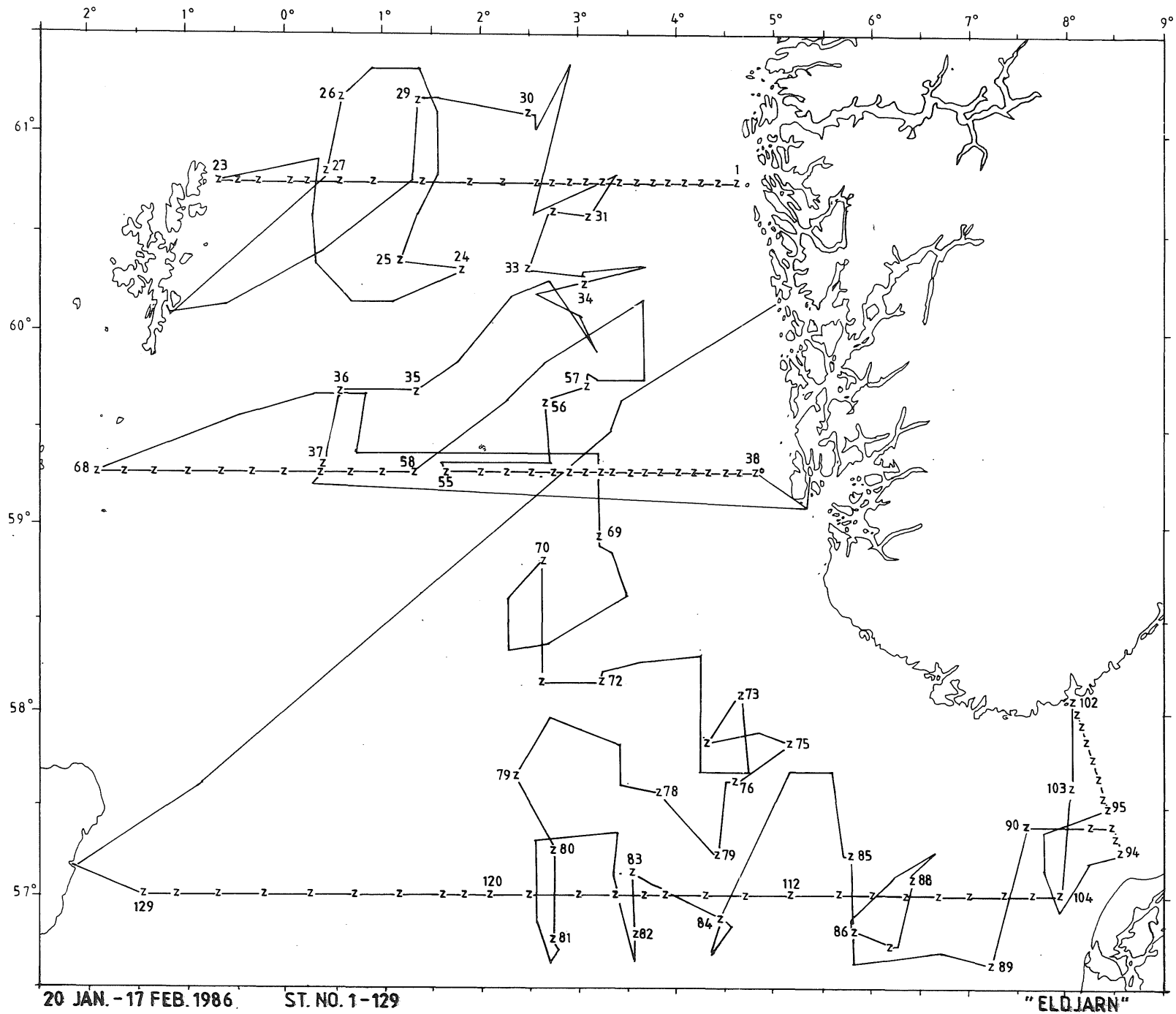
"MICHAEL SARŠ"

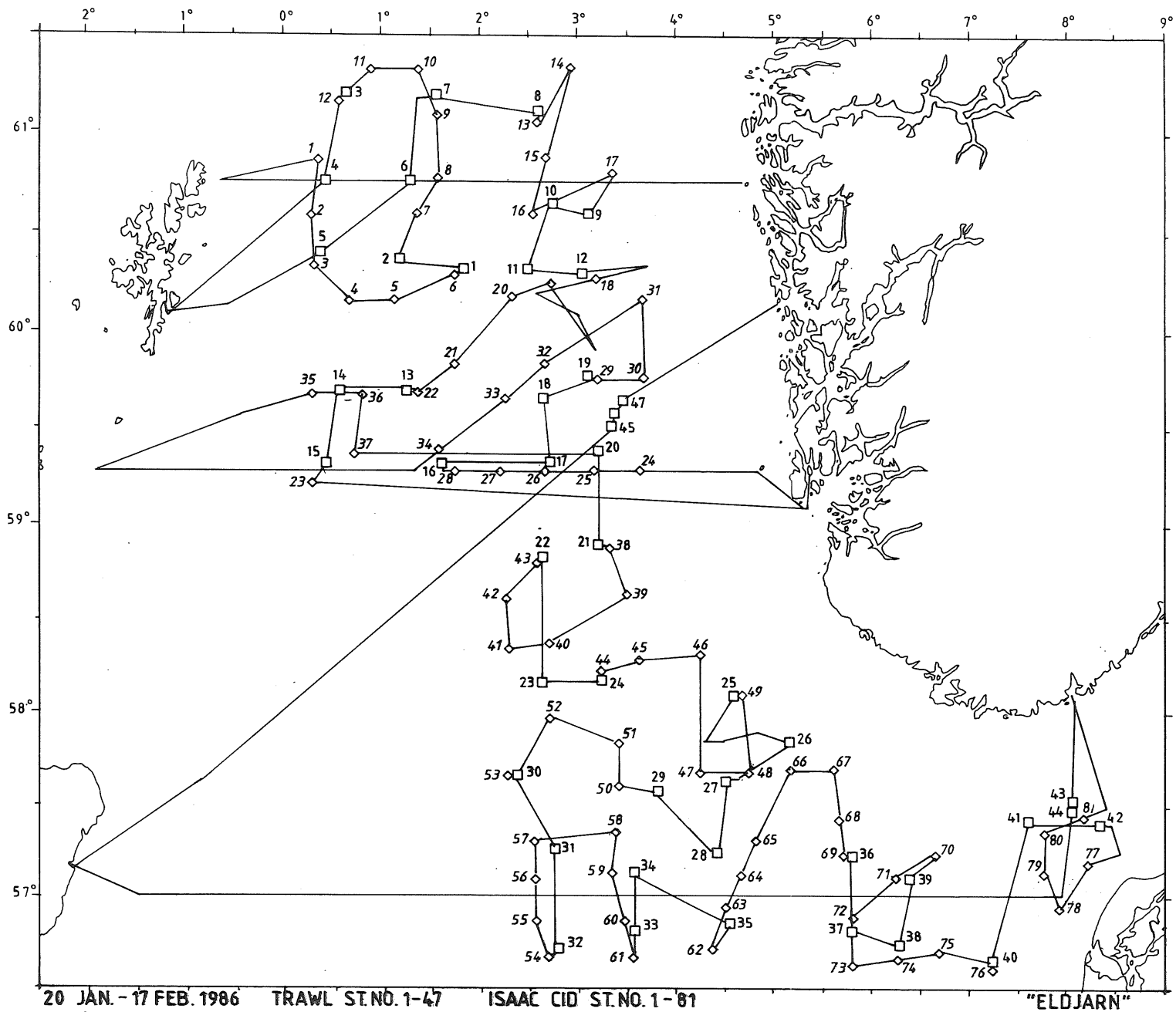


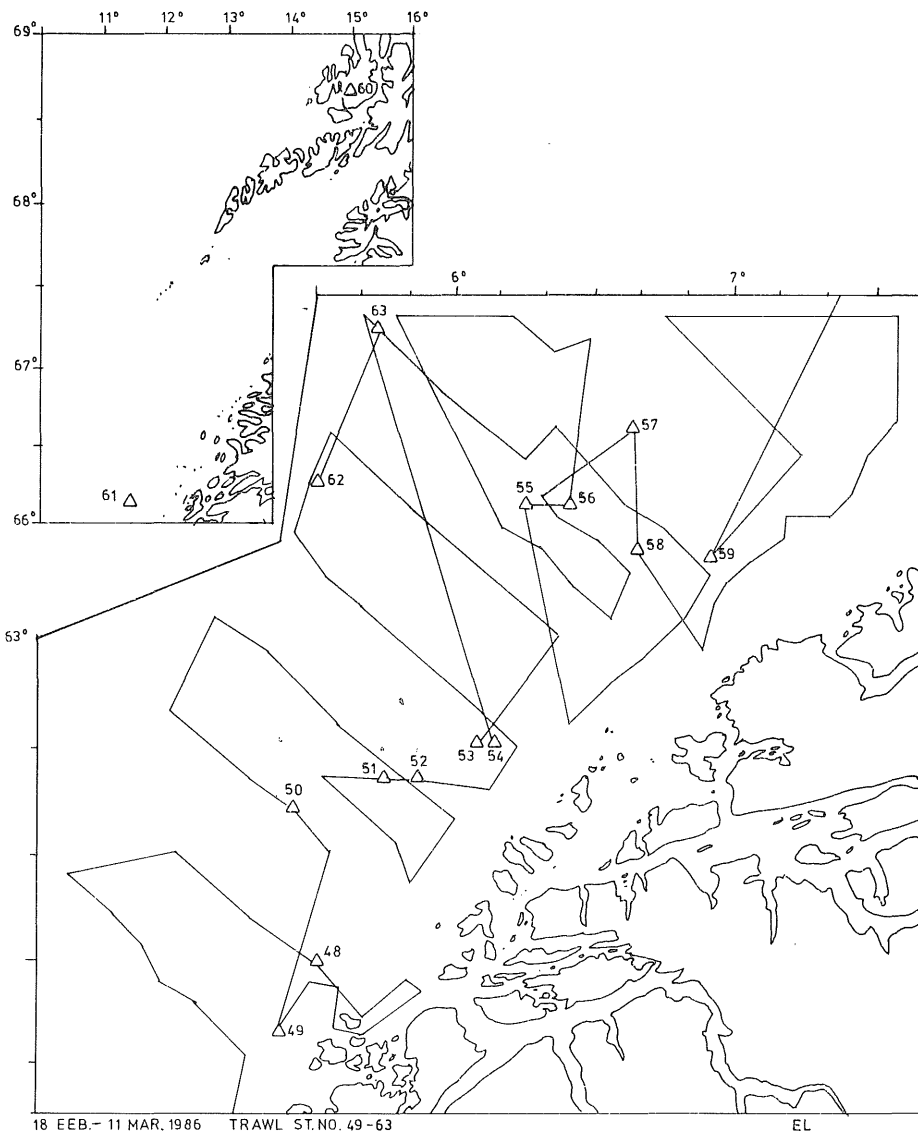
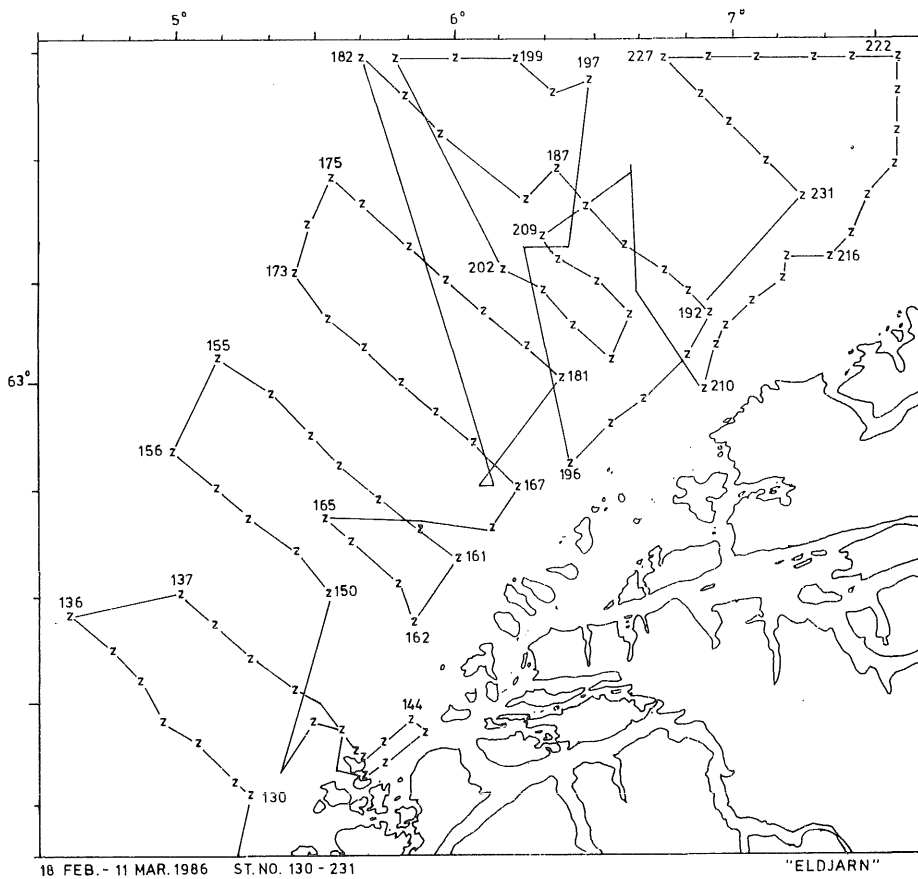
10-24 NOV. 1986 ST. NO. 1147-1233

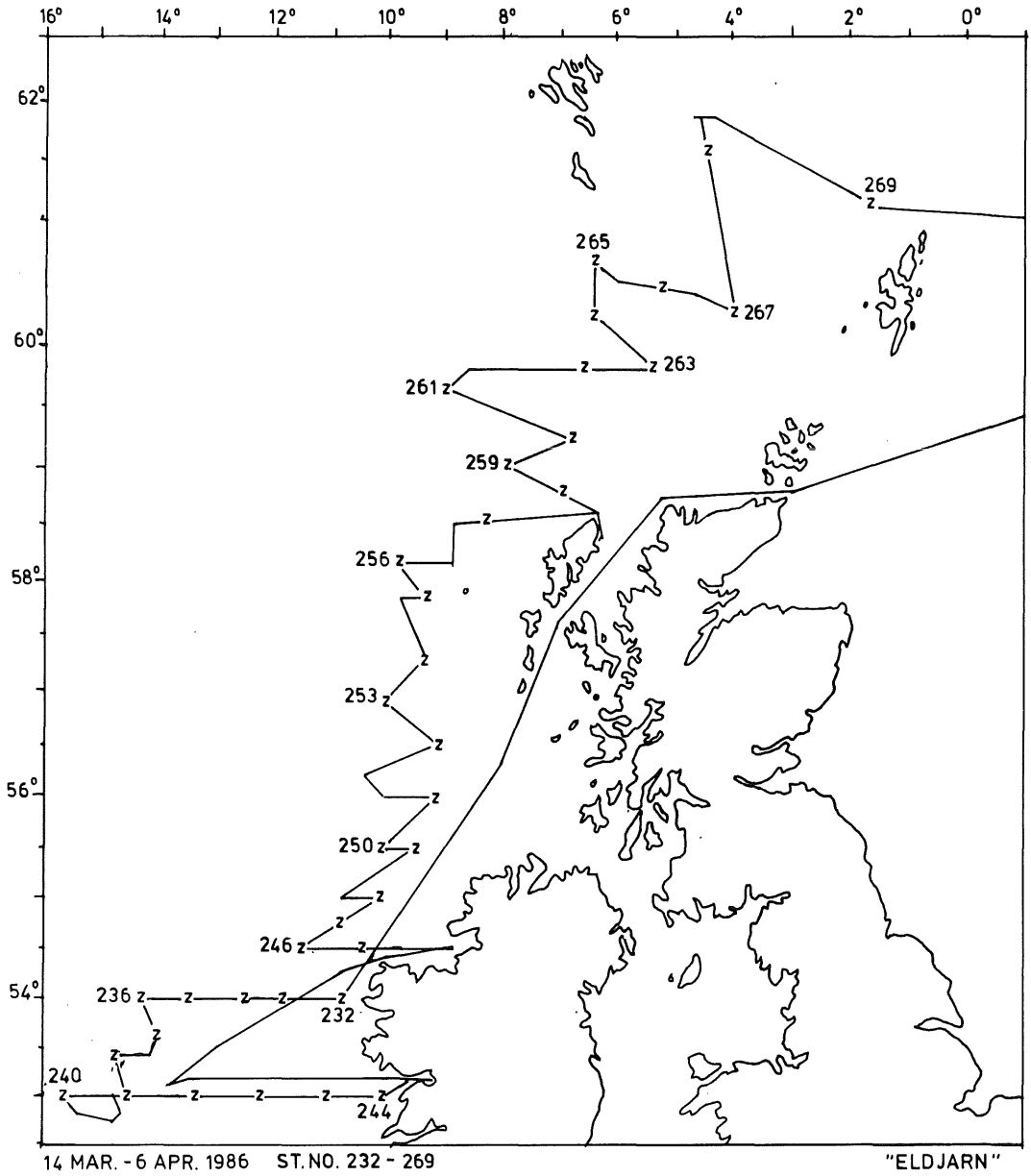
TRAWL ST. NO. 586-640

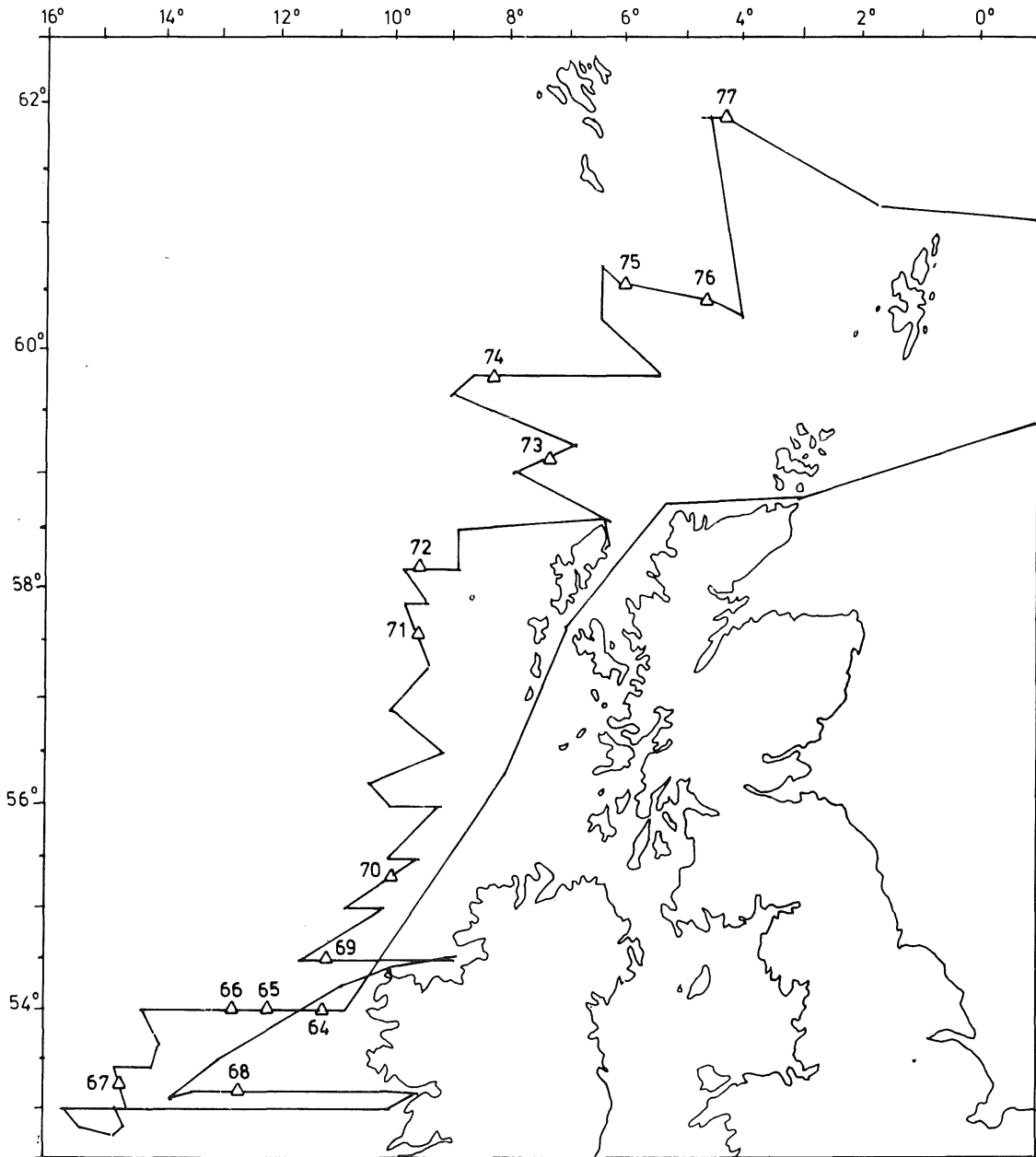
"MICHAEL SARS"





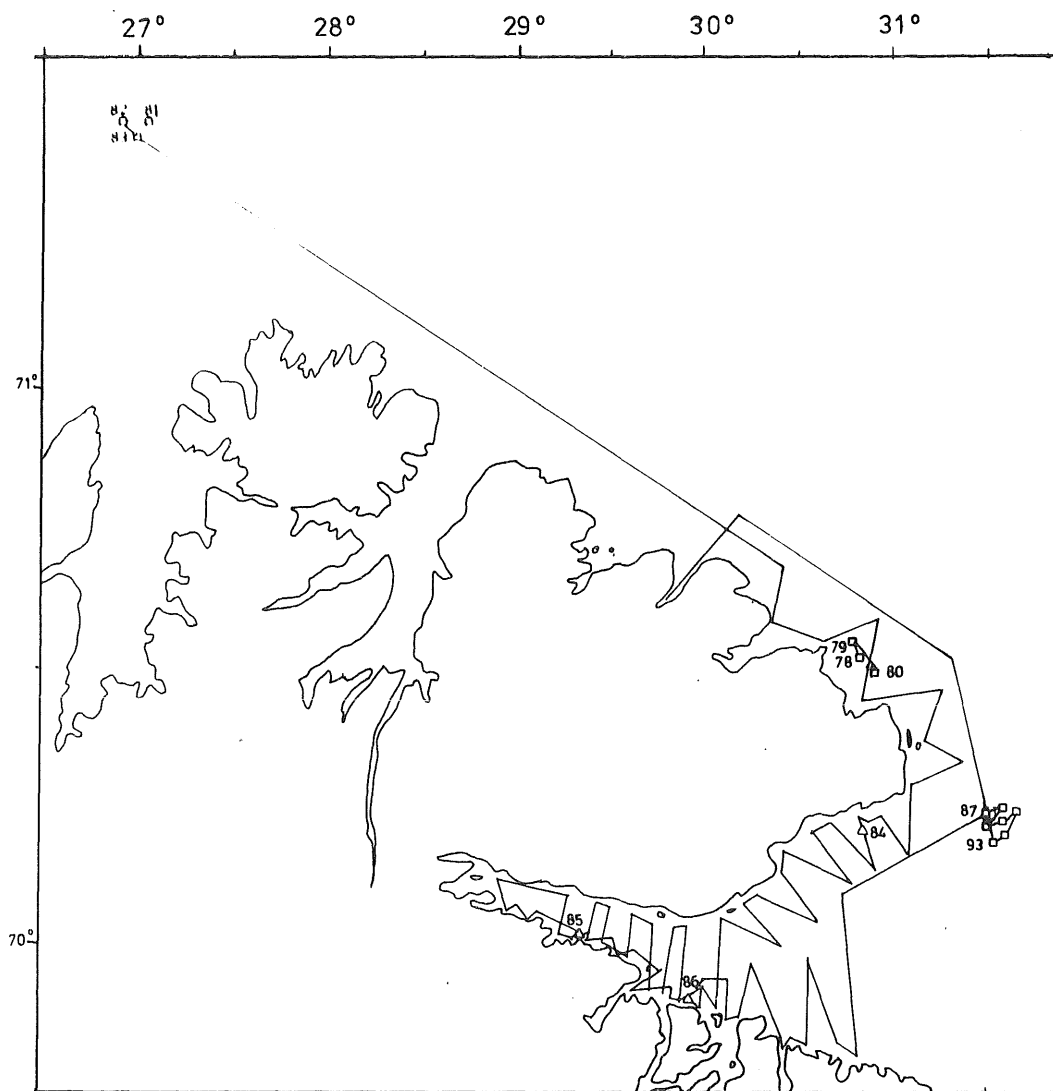




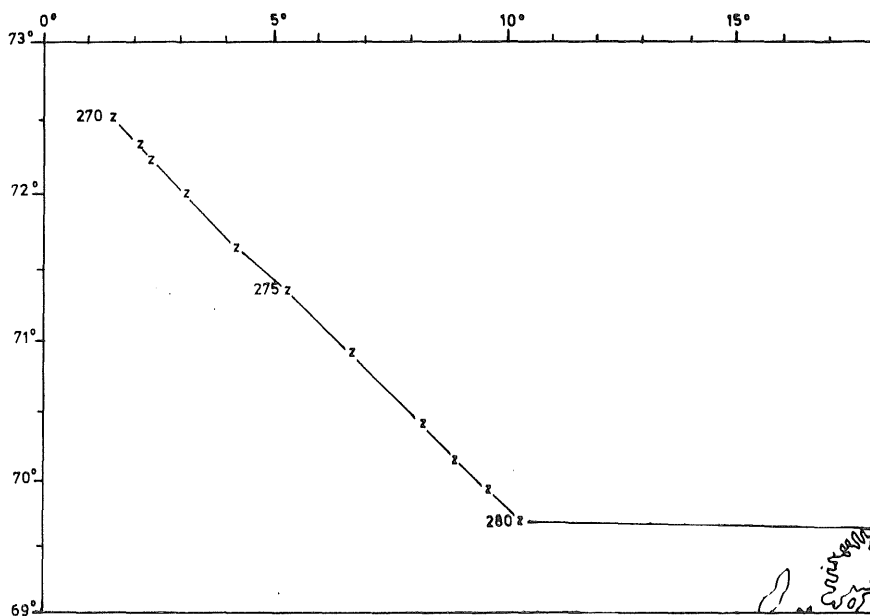


14 MAR. - 6 APR. 1986 TRAWL ST.NO. 64-77

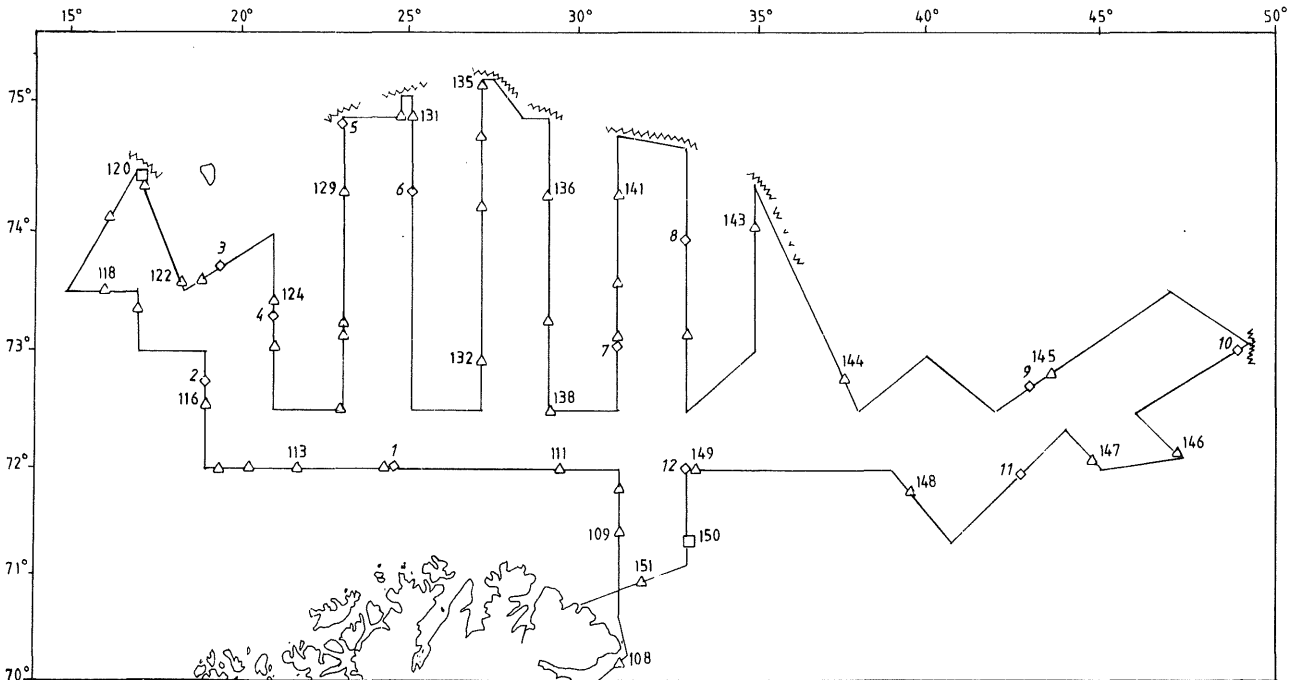
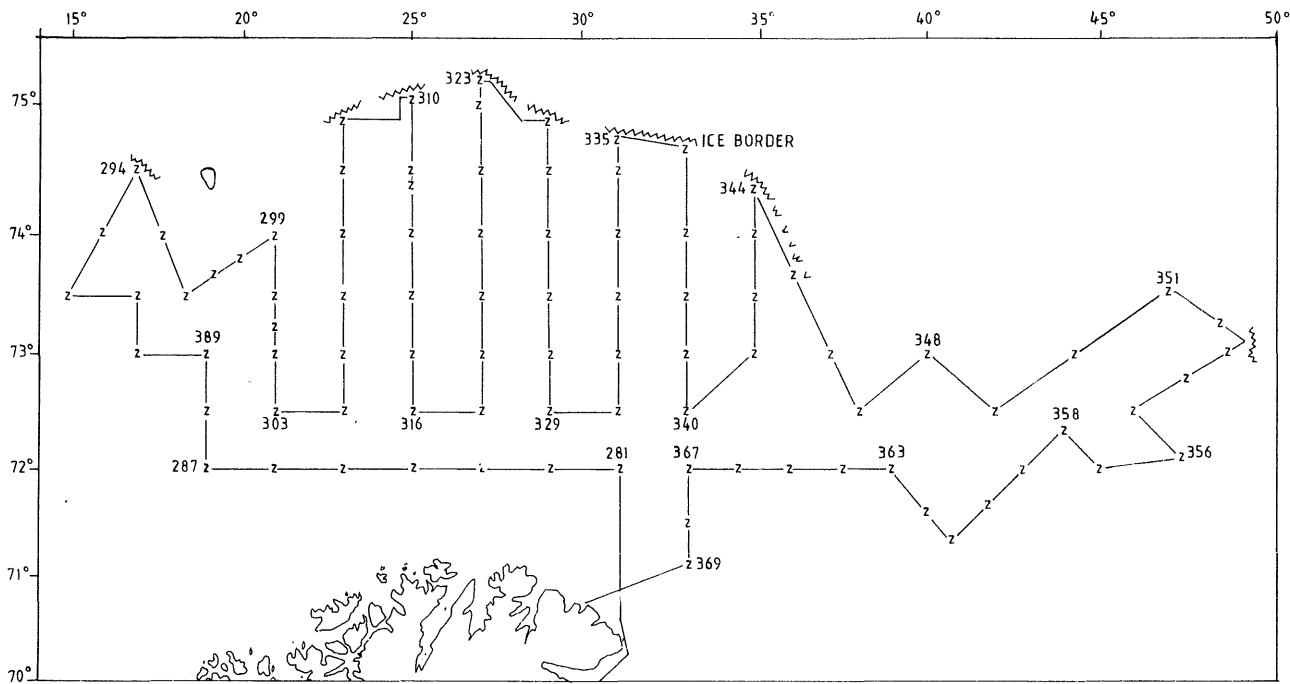
"ELDJARN"



13 - 21 APR. 1986 TRAWL ST. NO. 78 - 93 "ELDJARN"

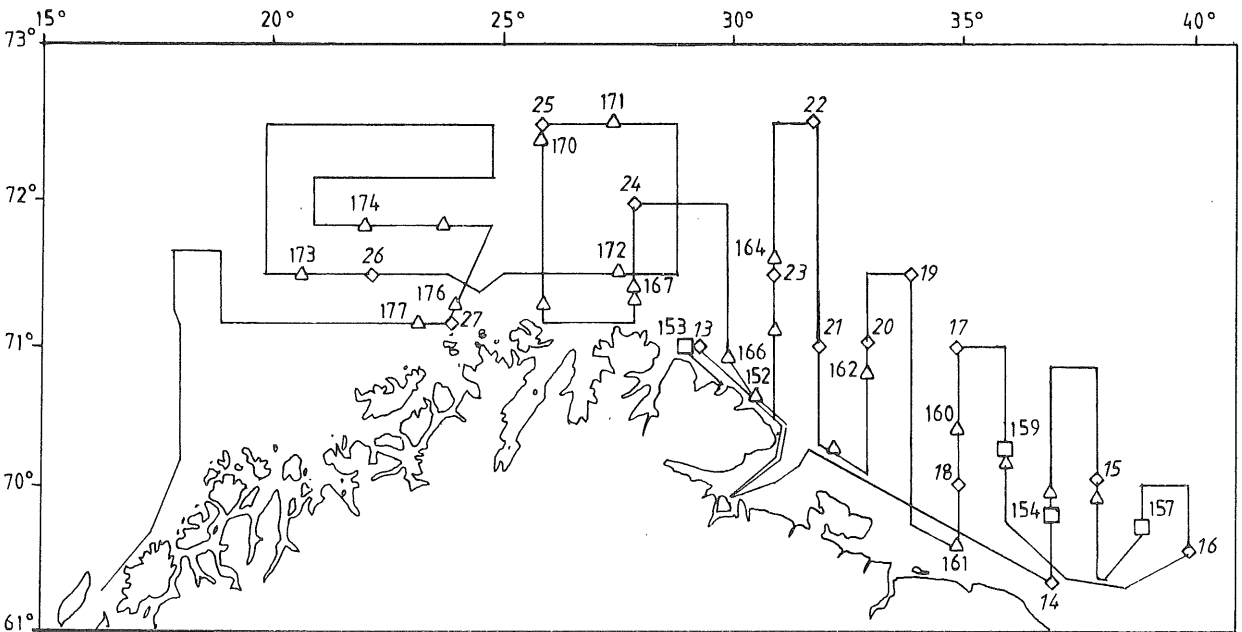
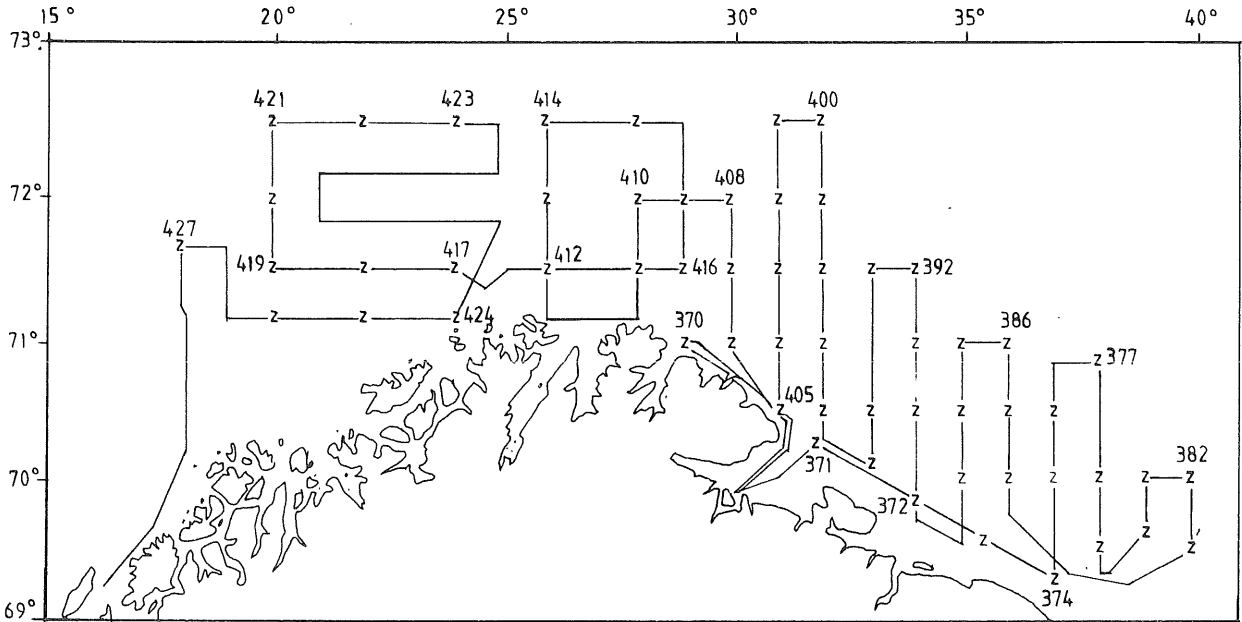


10 - 12 APR. 1986 ST. NO. 270 - 280 "ELDJARN"

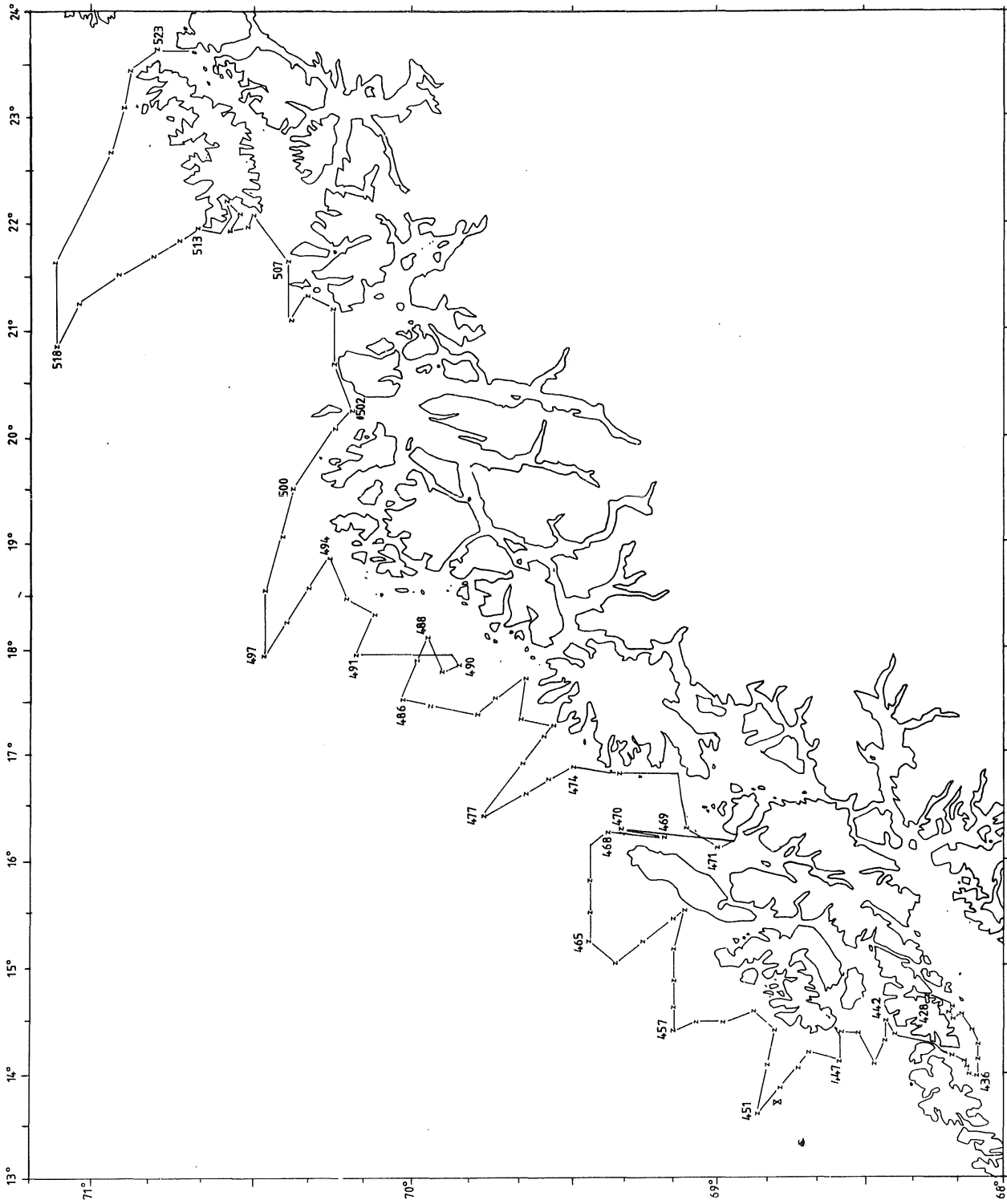


28 APR. - 16 MAY 1986 ST. NO. 281 - 369 TRAWL ST. NO. 108 - 151 PLANKTON ST. NO. 1 - 12

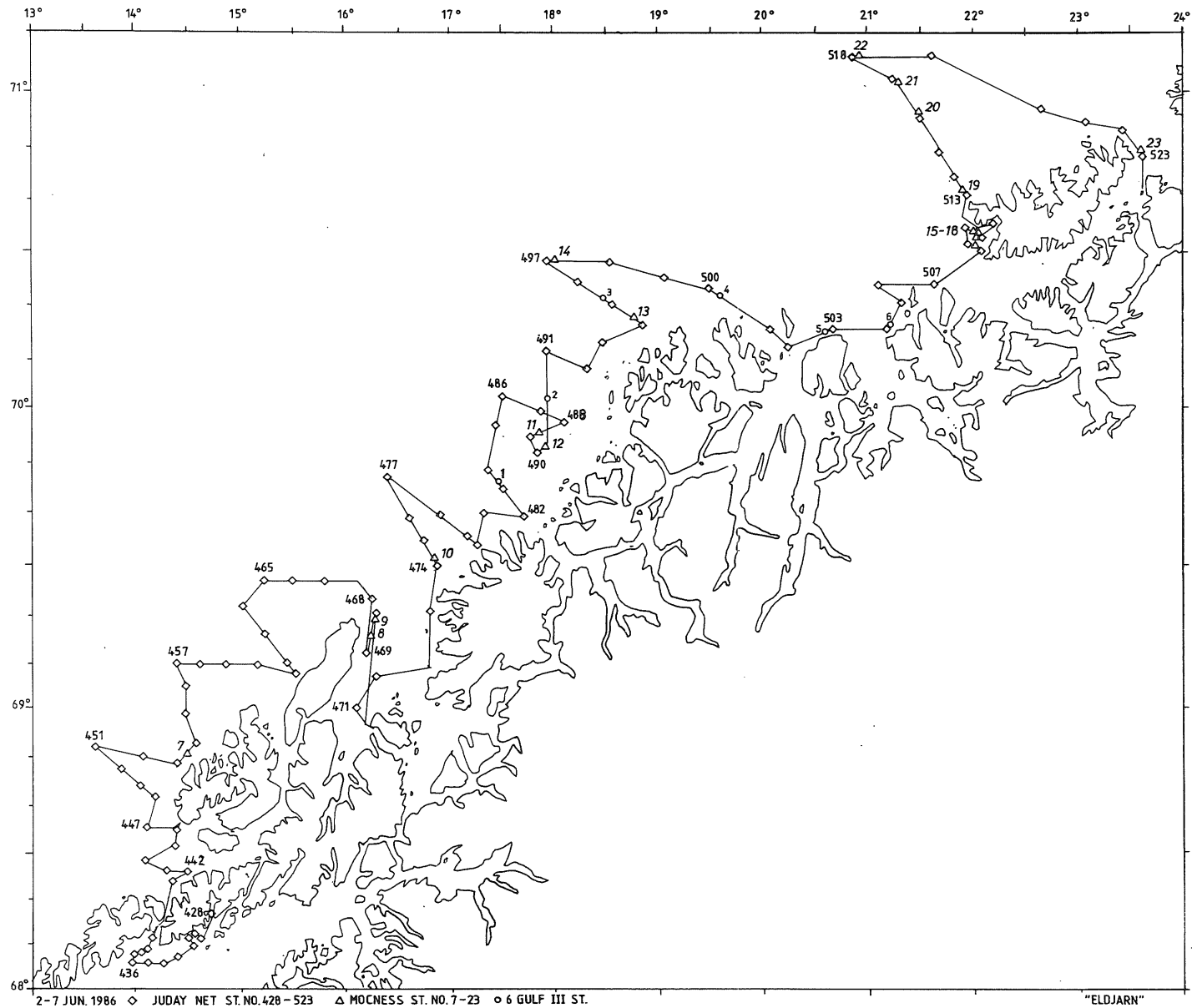
"ELDJARN"

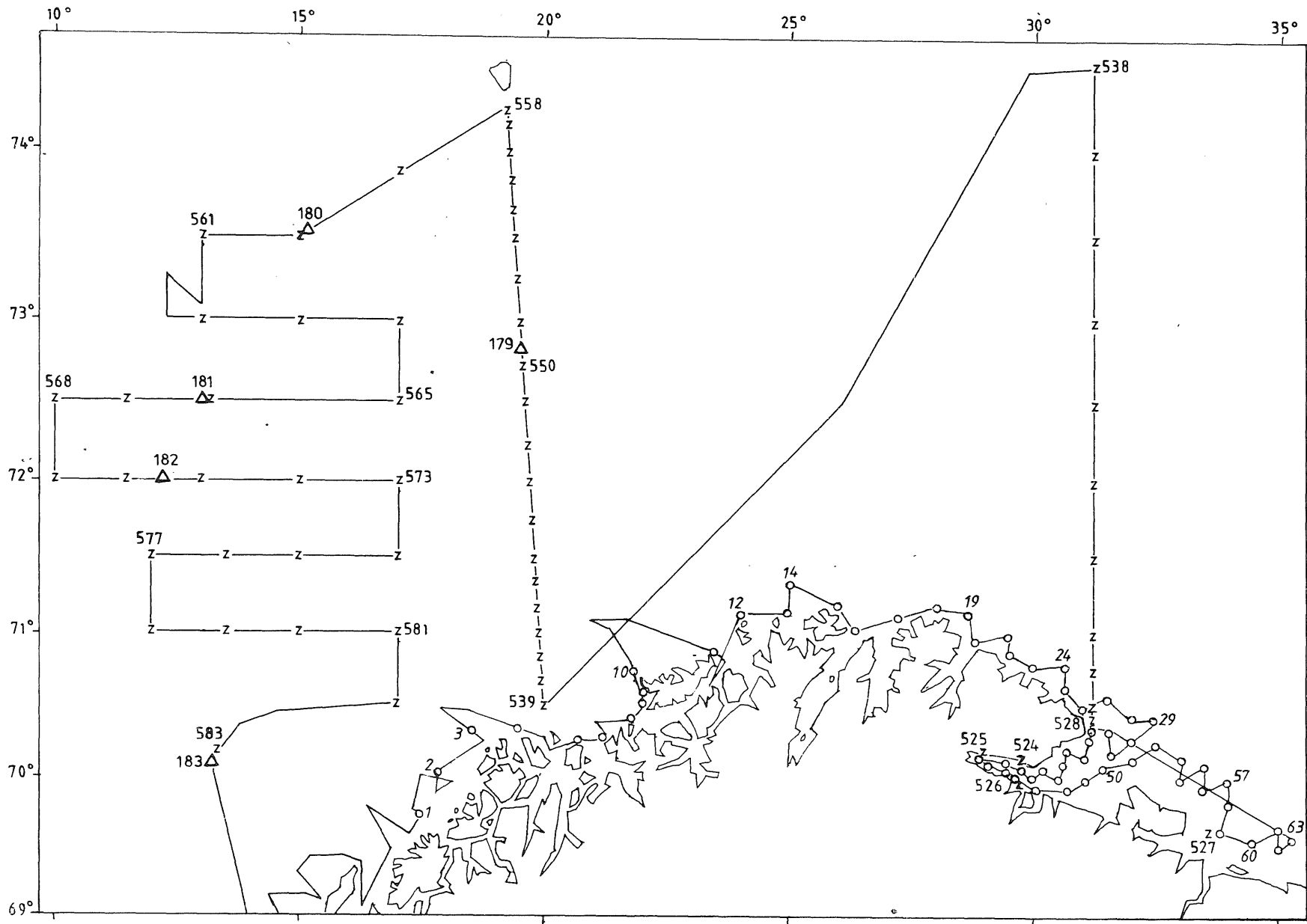


18 MAY - 2 JUN. 1986 ST.NO. 370 - 427 TRAWL ST.NO. 152 - 177 PLANKTON ST.NO. 13 - 27
"ELDJARN"



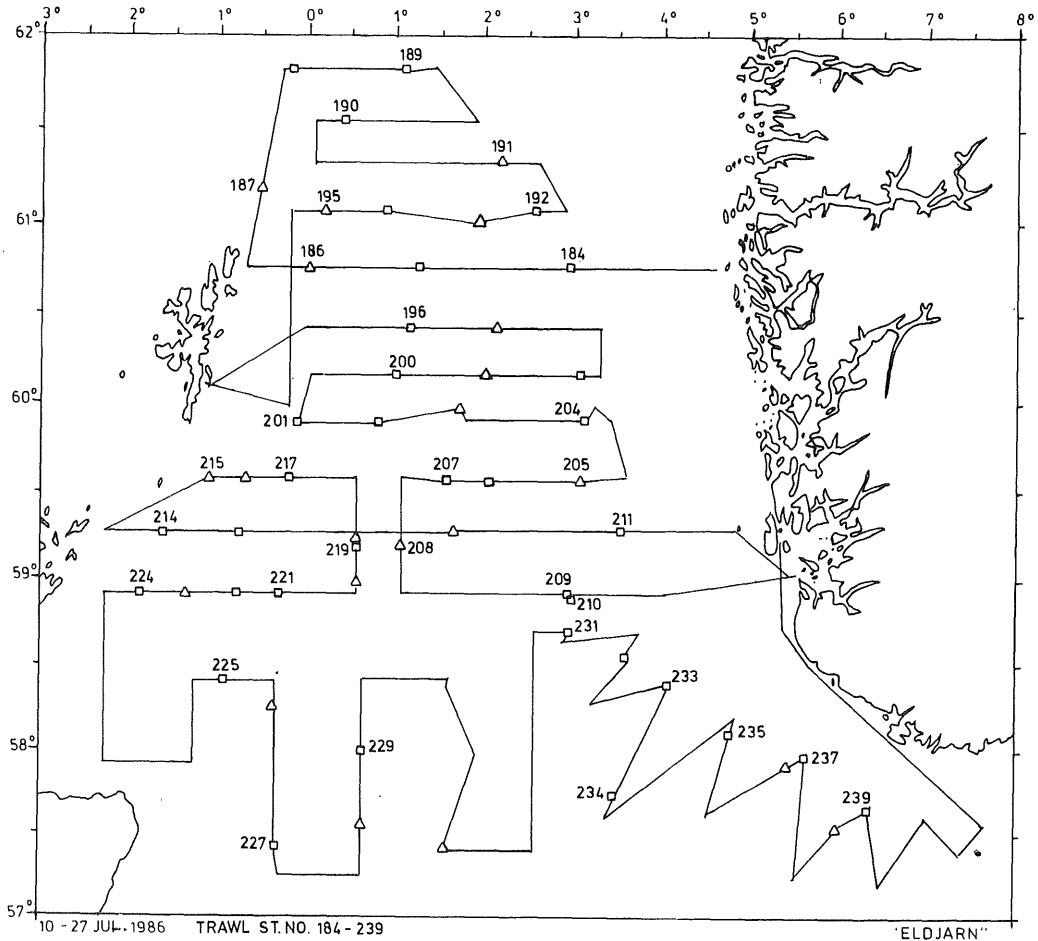
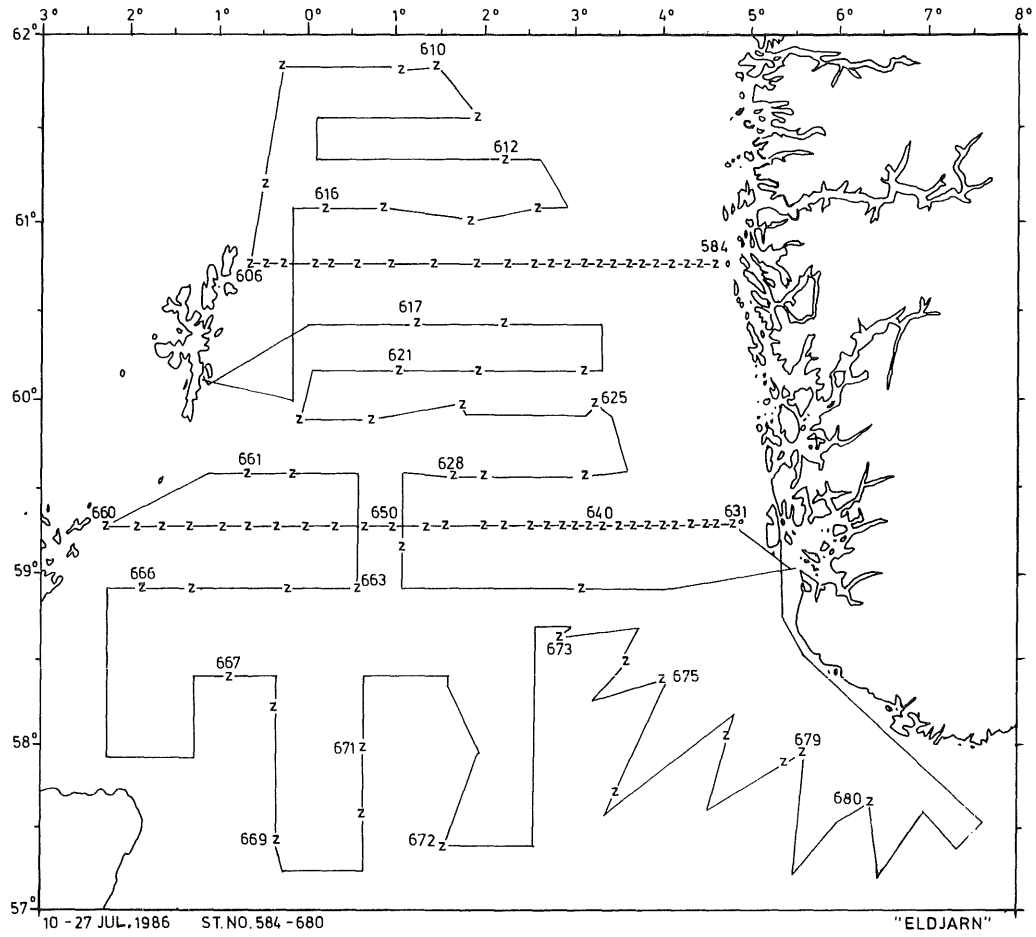
"FLD.JAPH"

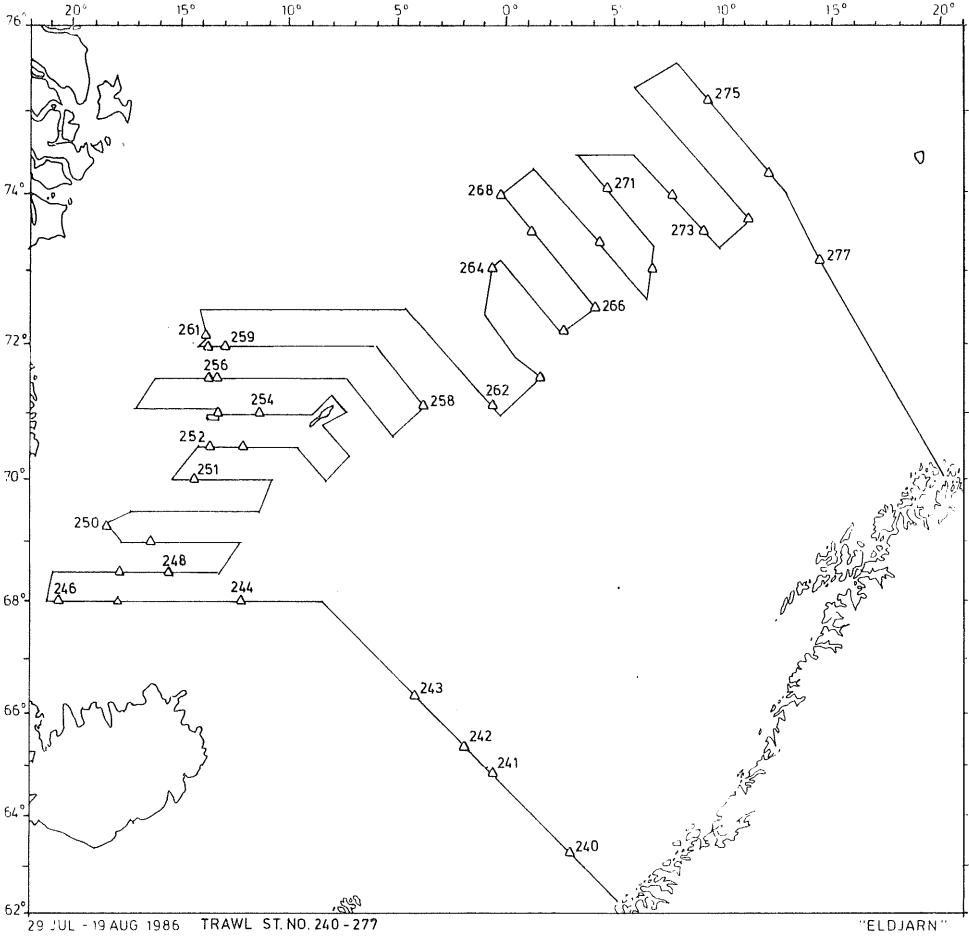
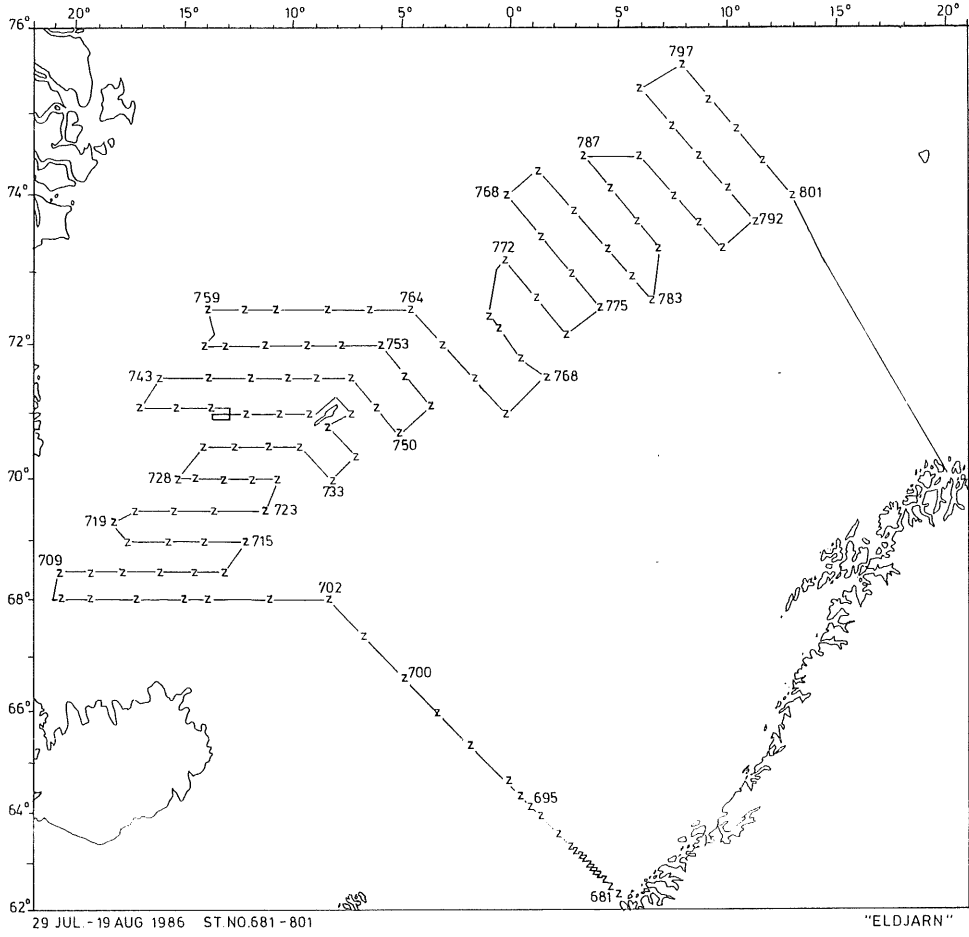


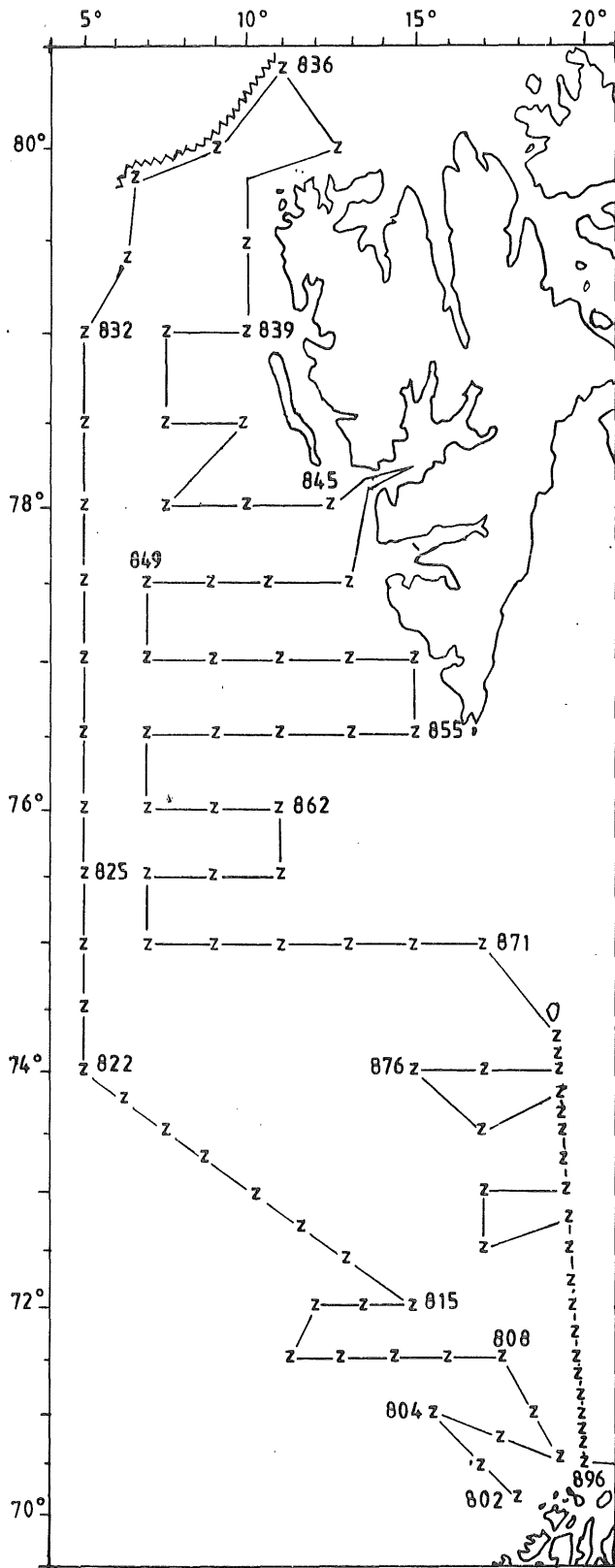


8-20 JUN. 1986 ST. NO. 524 - 583 TRAWL ST. NO. 179 - 183 ○ GULF ST. NO. 1 - 63

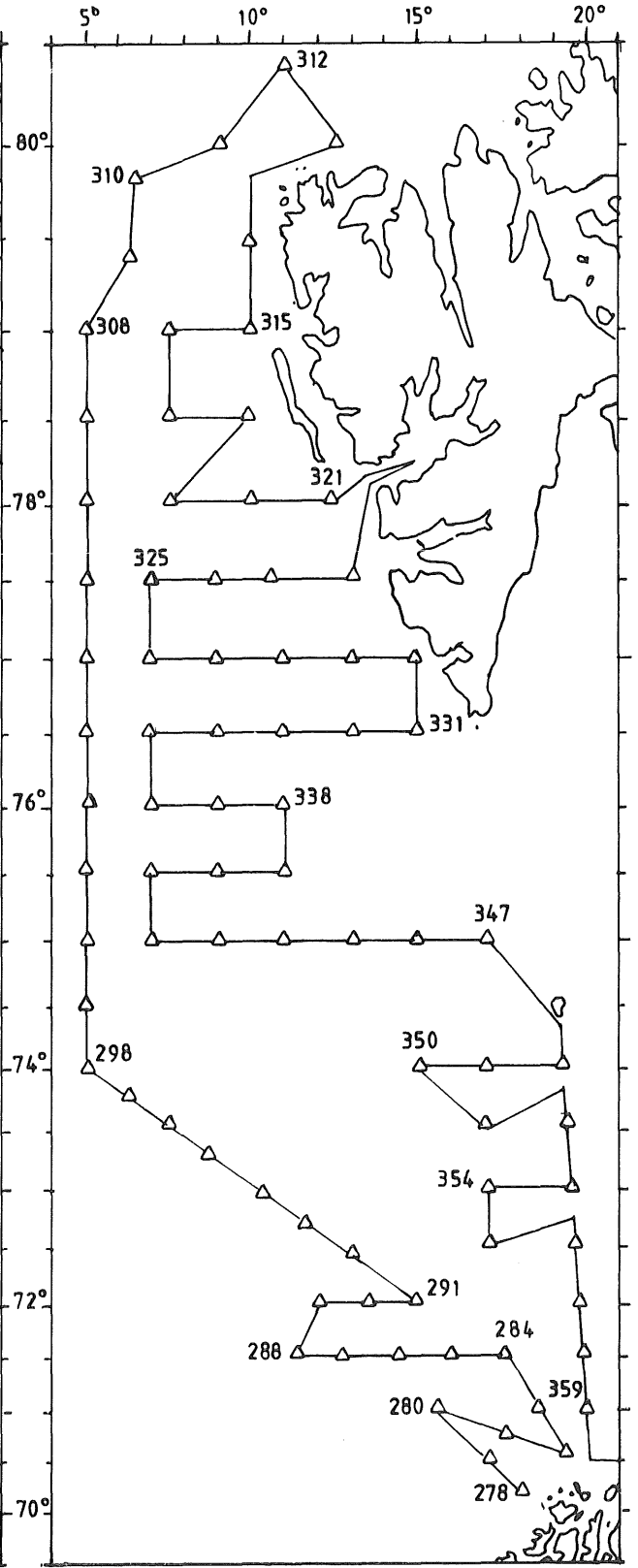
"ELDJARN"



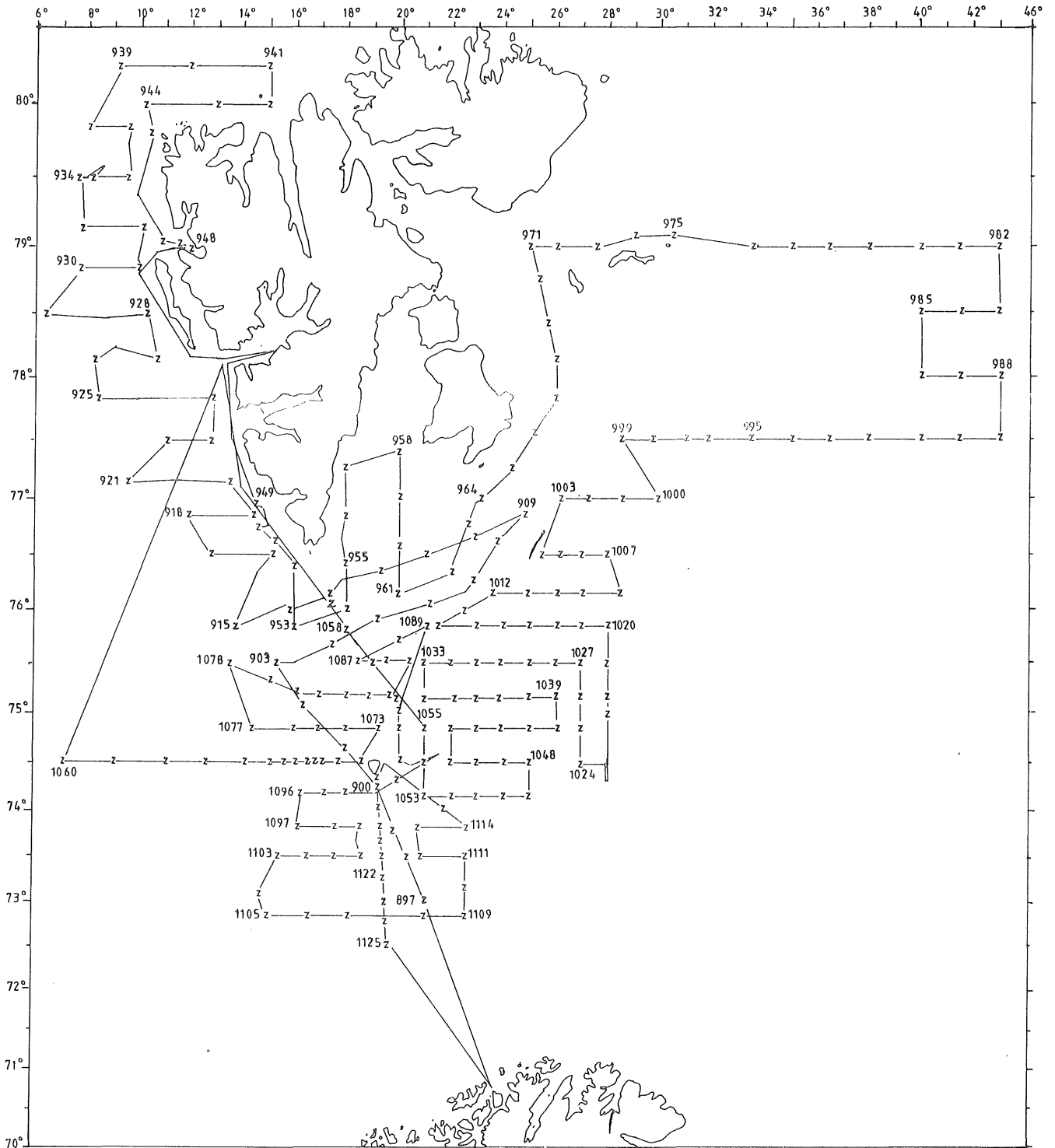




20 AUG.-3 SEP. 1986 ST. NO. 802 - 896

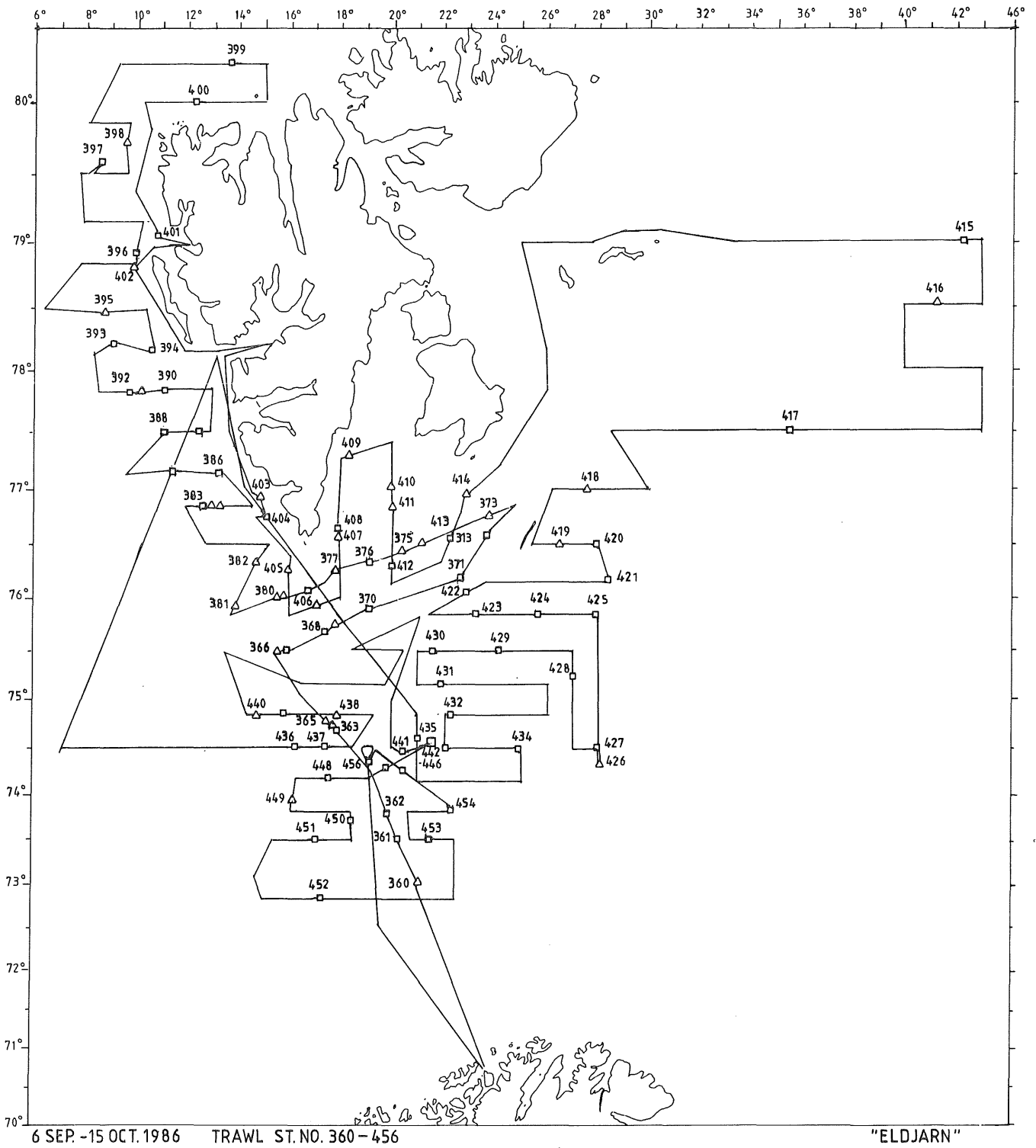


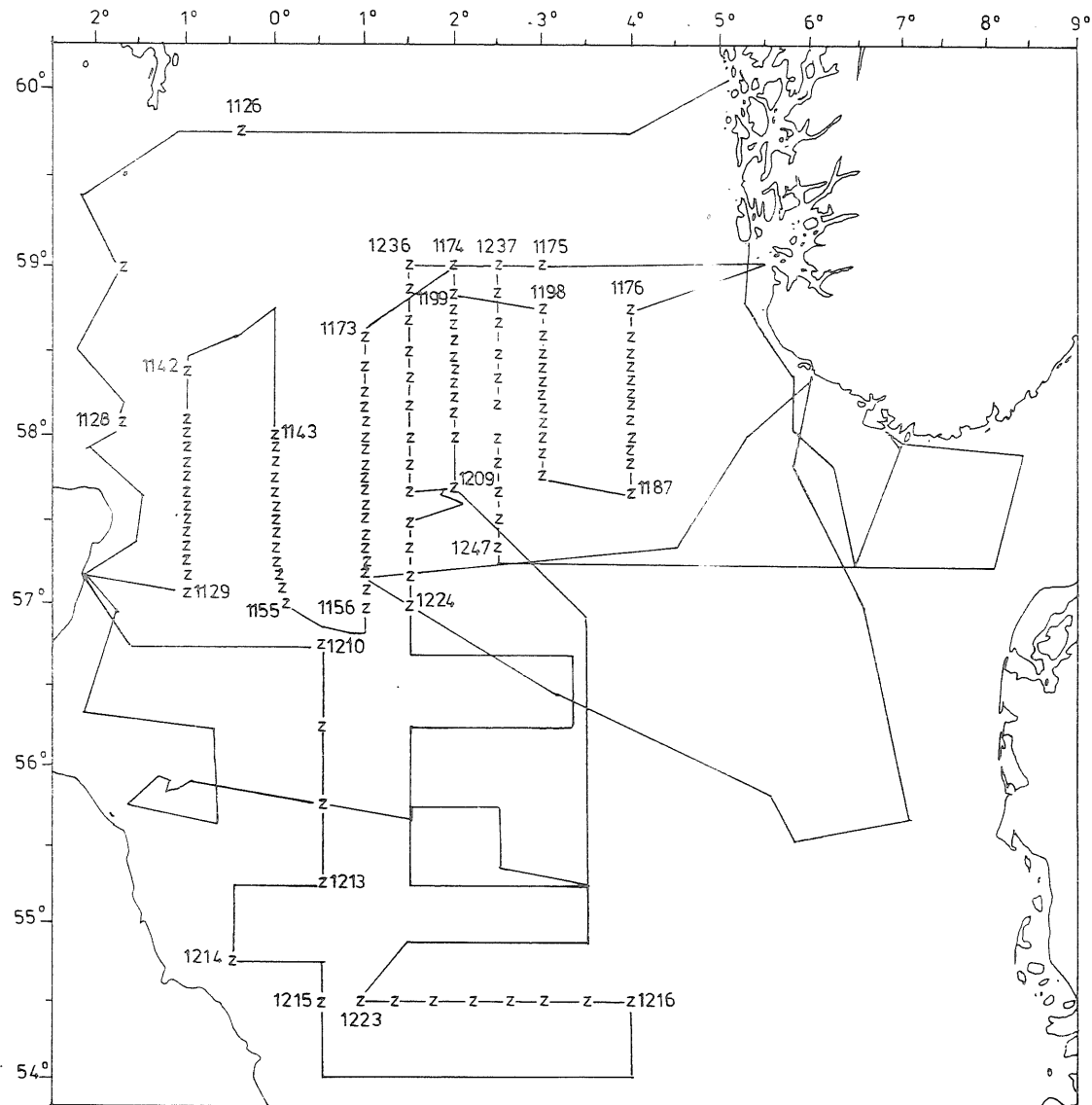
TRAWL ST. NO. 278 - 359 "ELDJARN"



6 SEP -15 OCT. 1986 ST. NO. 897 - 1125

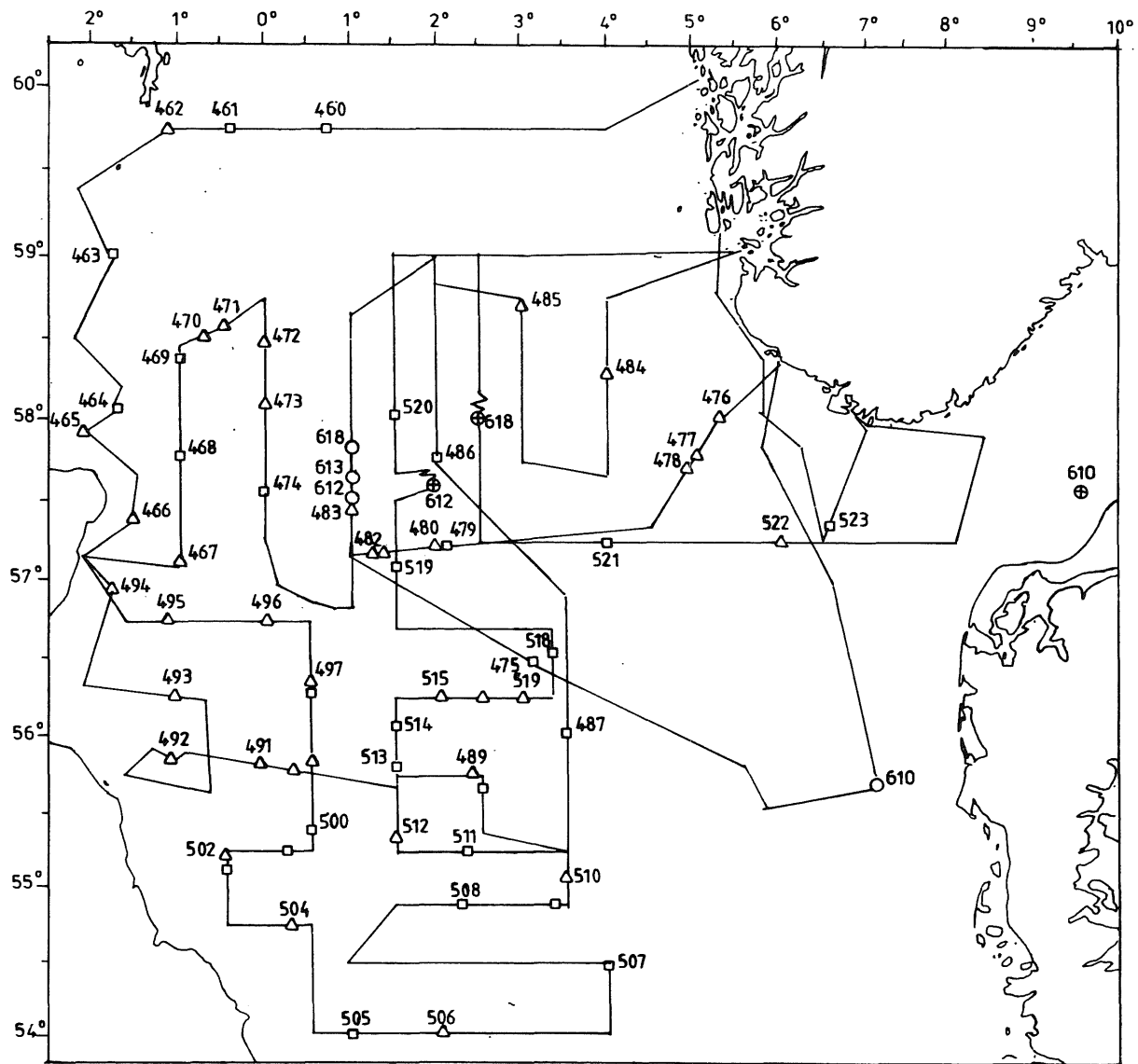
"ELDJARN"





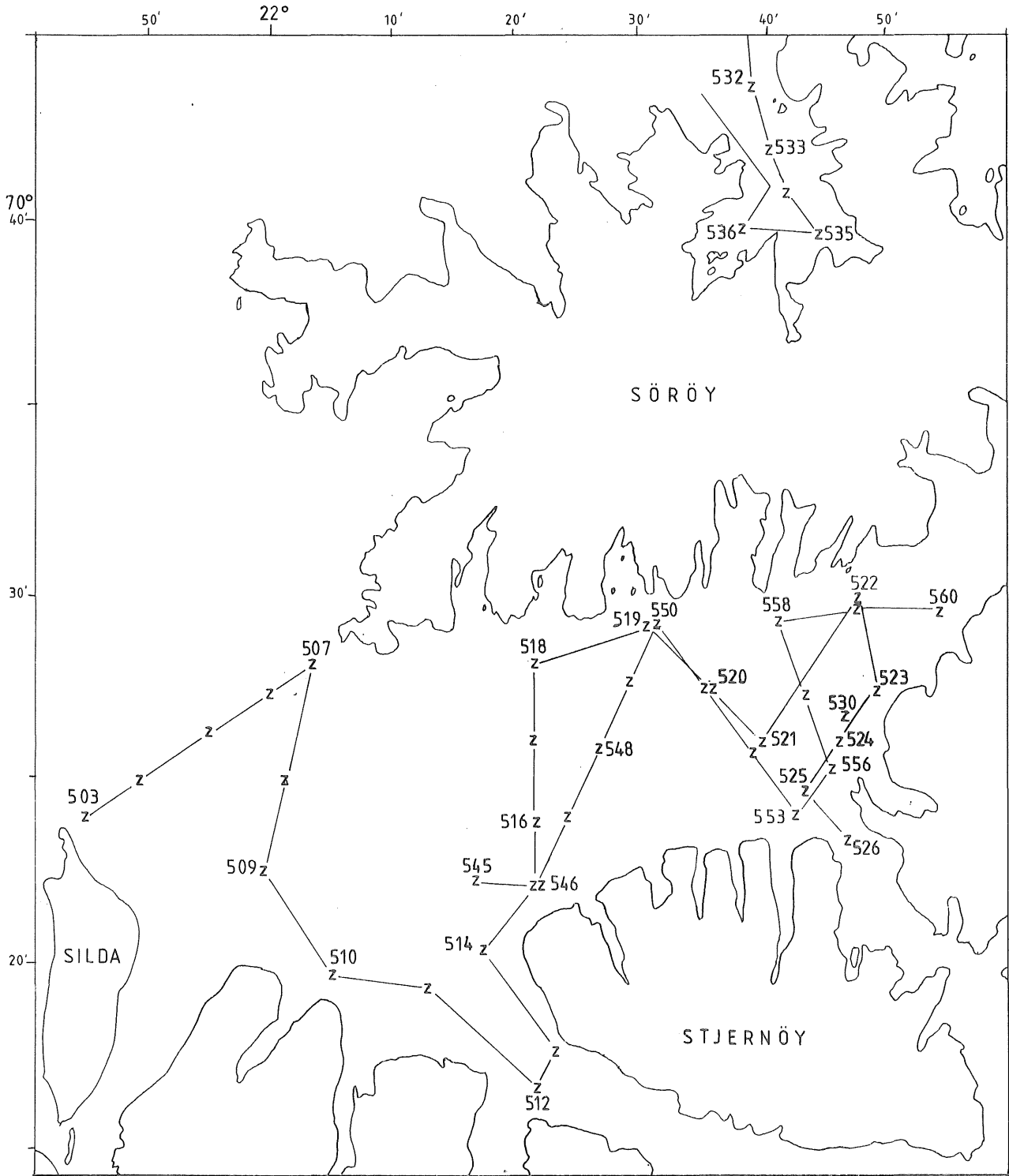
3 NOV. - 5 DEC. 1986 ST. NO. 1126 - 1247

"ELDJARN"



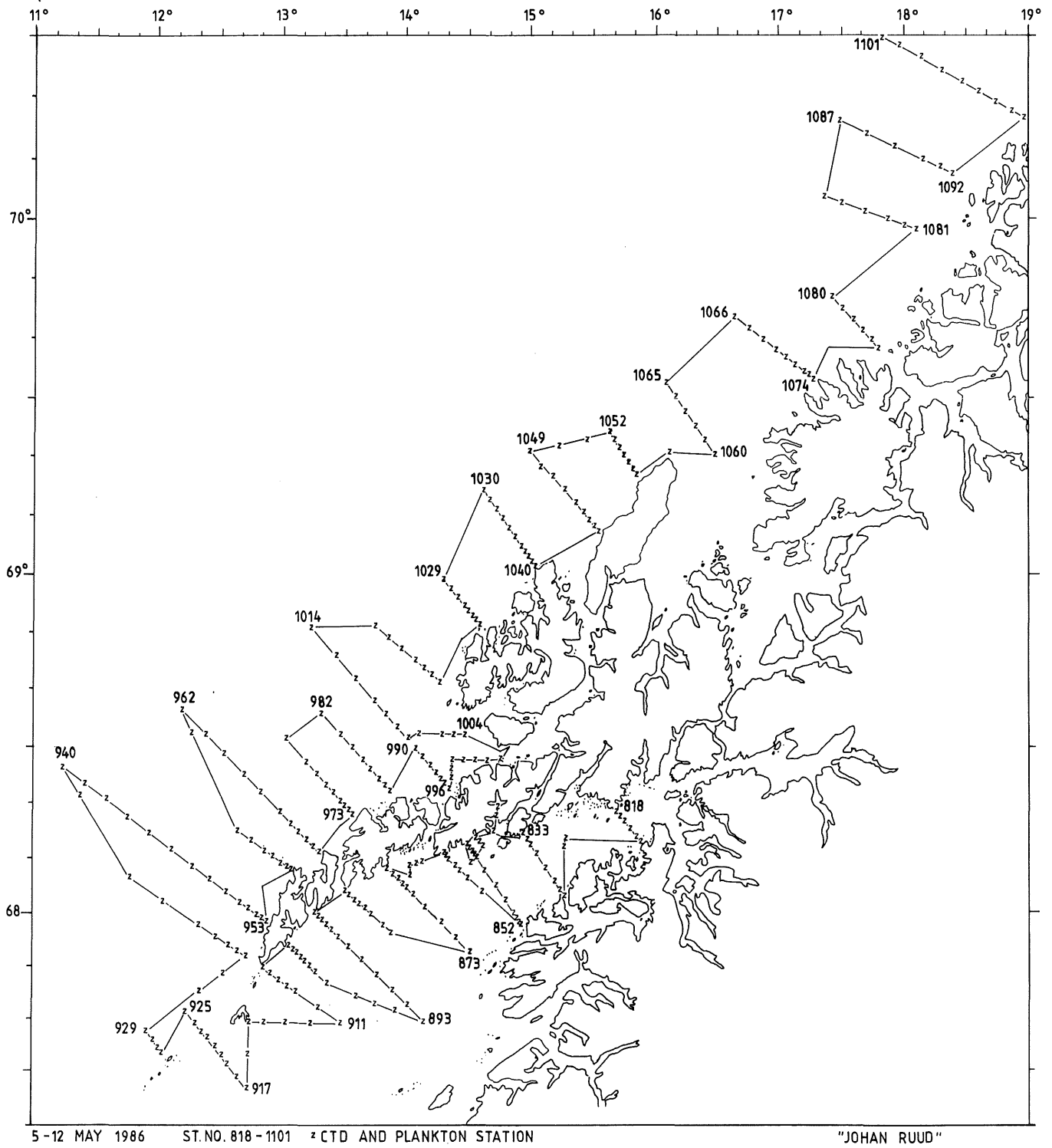
3 NOV. - 5 DEC. 1986 TRAWL ST. NO. 460-523
 ARGOS DRIFTERS ○ OUT ⊕ IN

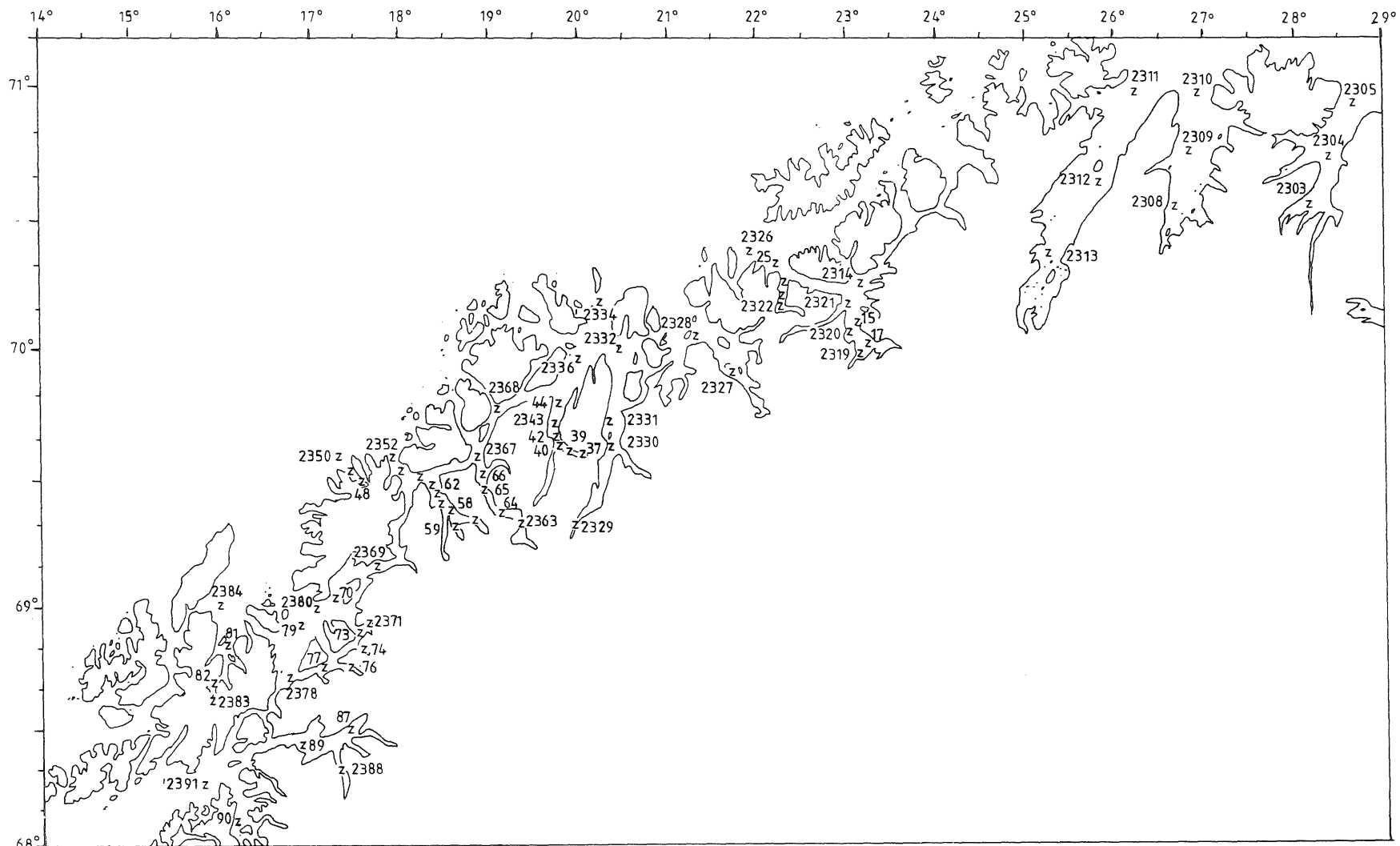
"ELDJARN"



17 - 20 MAR. 1986 ST. NO 503 - 560

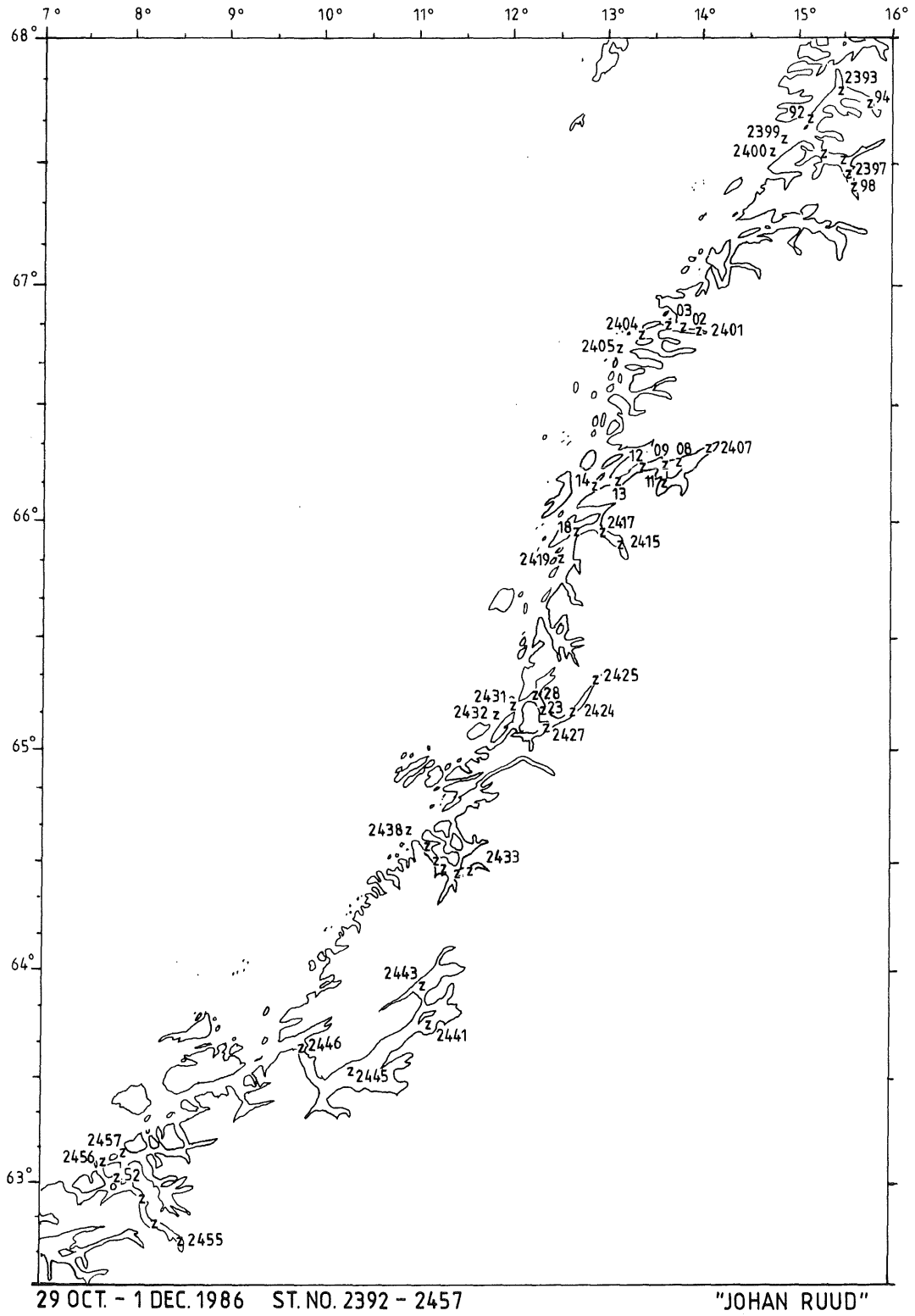
"JOHAN RUUD"

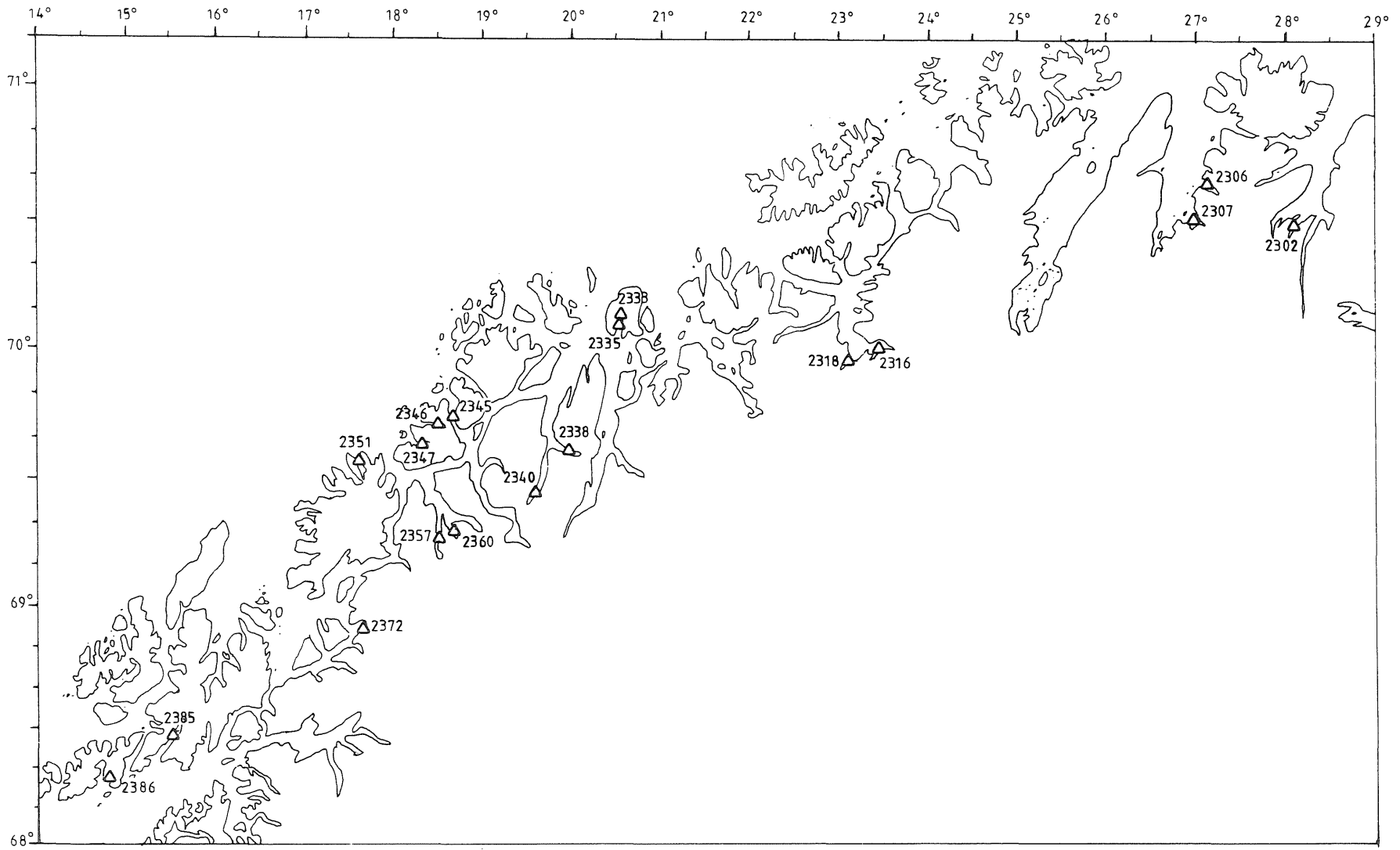




29 OCT. - 1 DEC. 1986 ST. NO. 2303 - 2391

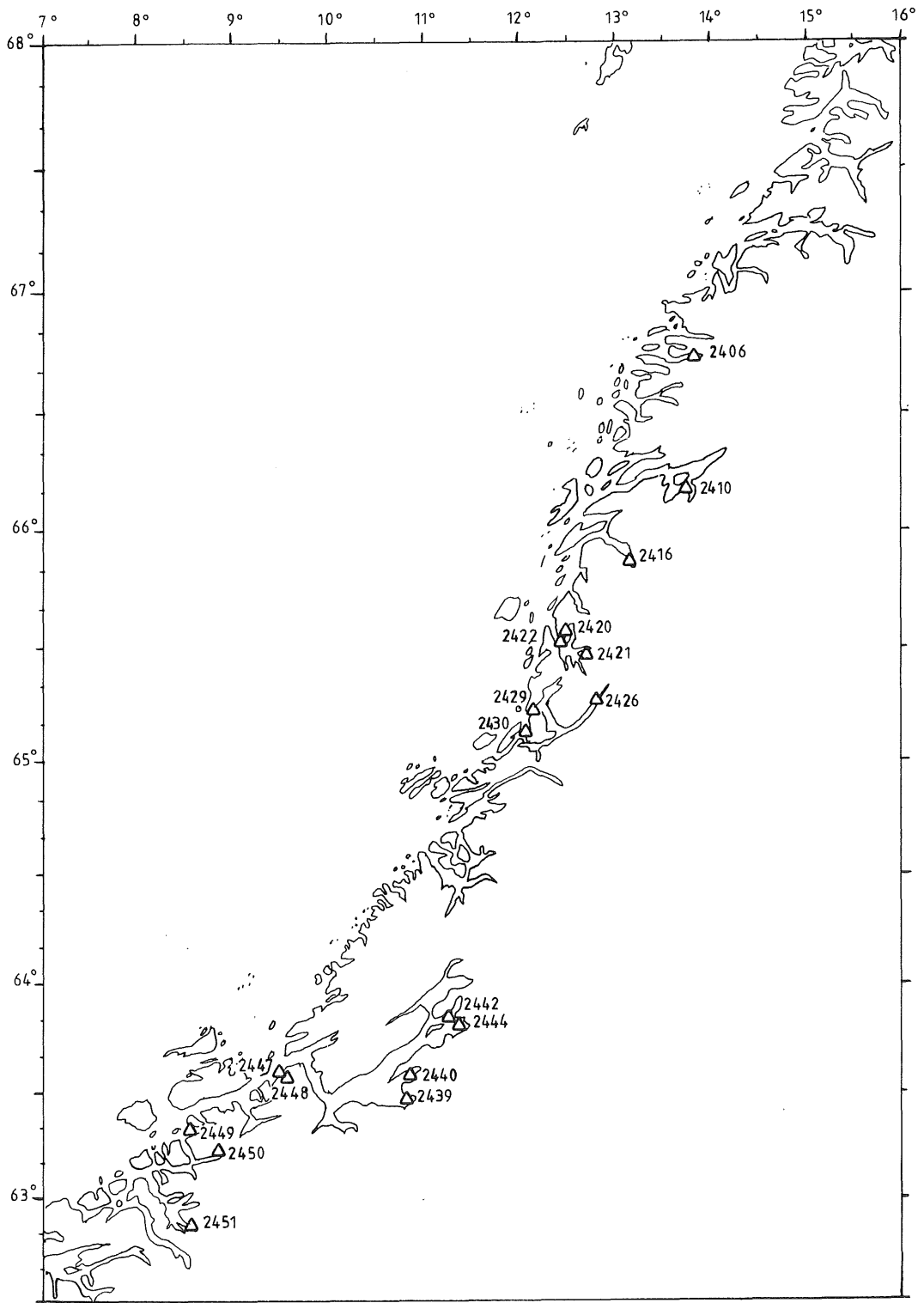
"JOHAN RUUD"





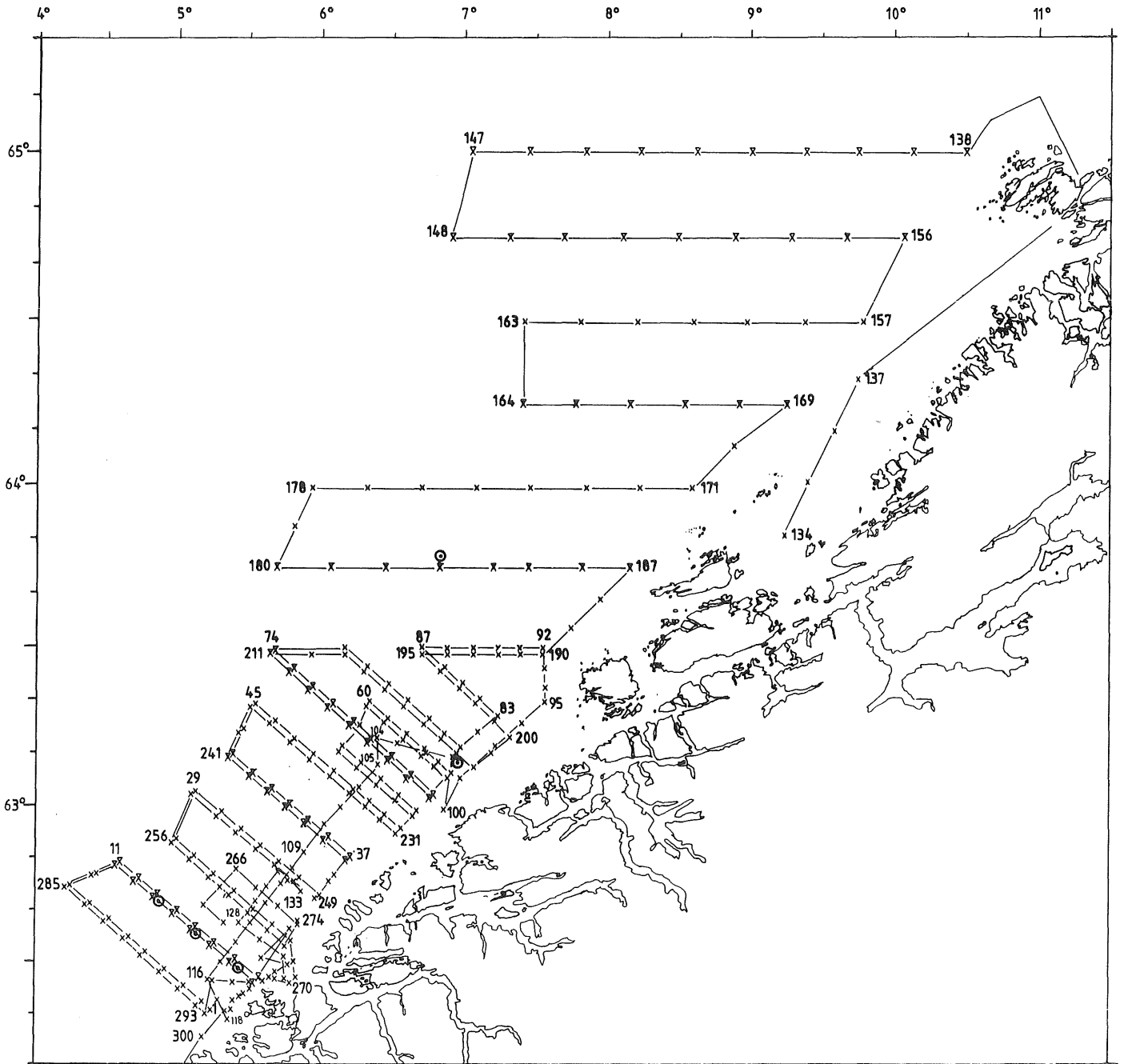
29 OCT - 1 DEC. 1986 18 TRAWL ST.

"JOHAN RUUD"



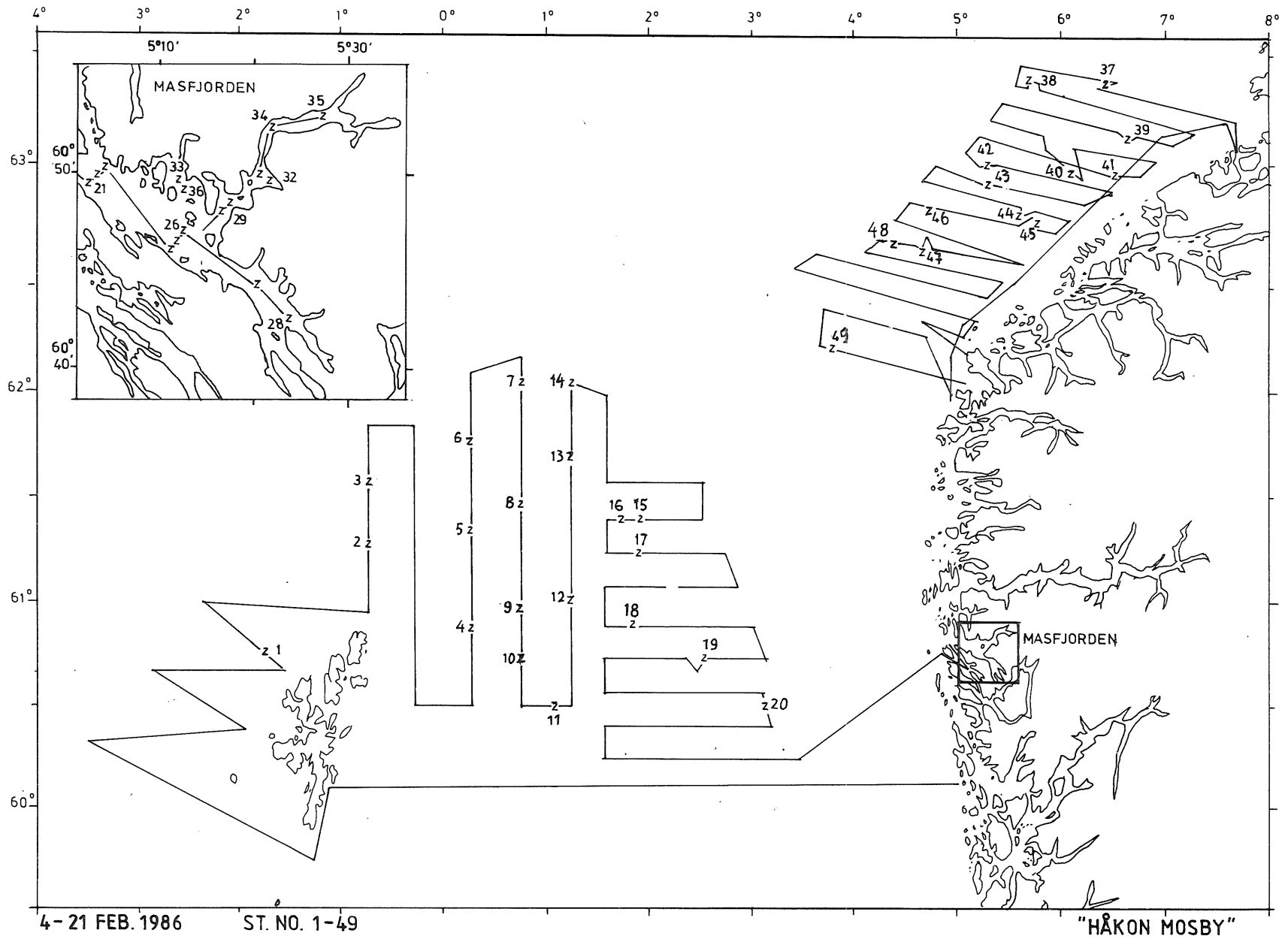
29 OCT. - 1 DEC. 1986 18 TRAWL ST.

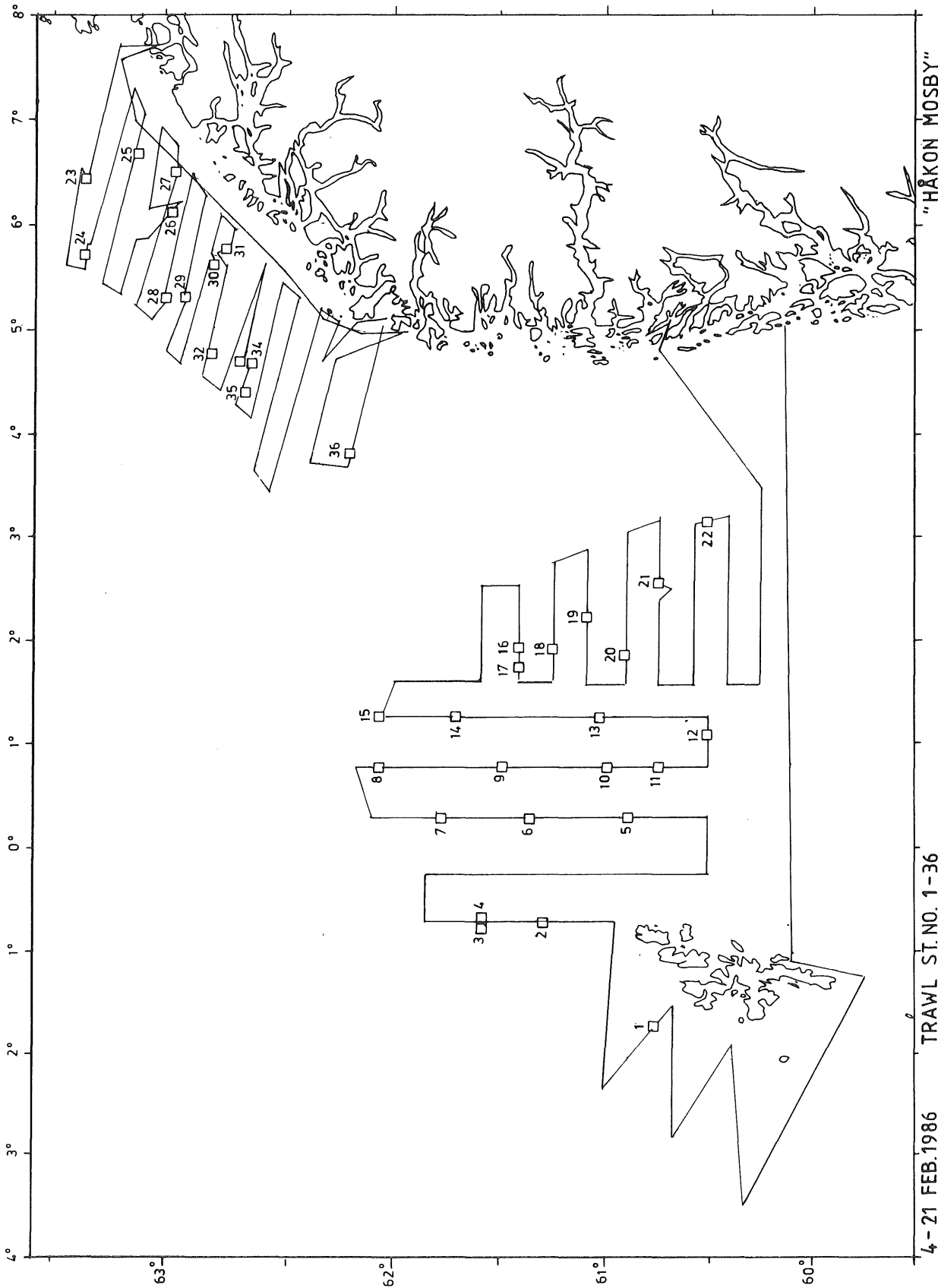
"JOHAN RUUD"



20 MAR. - 20 APR. 1986 x CLASSICAL OCEANOGRAPHIC ST. AND NUTRIENTS ST. ZOOPLANKTON, LARVAE. O ARGOS DRIFTERS
 x SURFACE OBC. †°C, S‰, NUTRIENTS, ZOOPLANKTON, LARVAE.

"H. U. SVERDRUP"

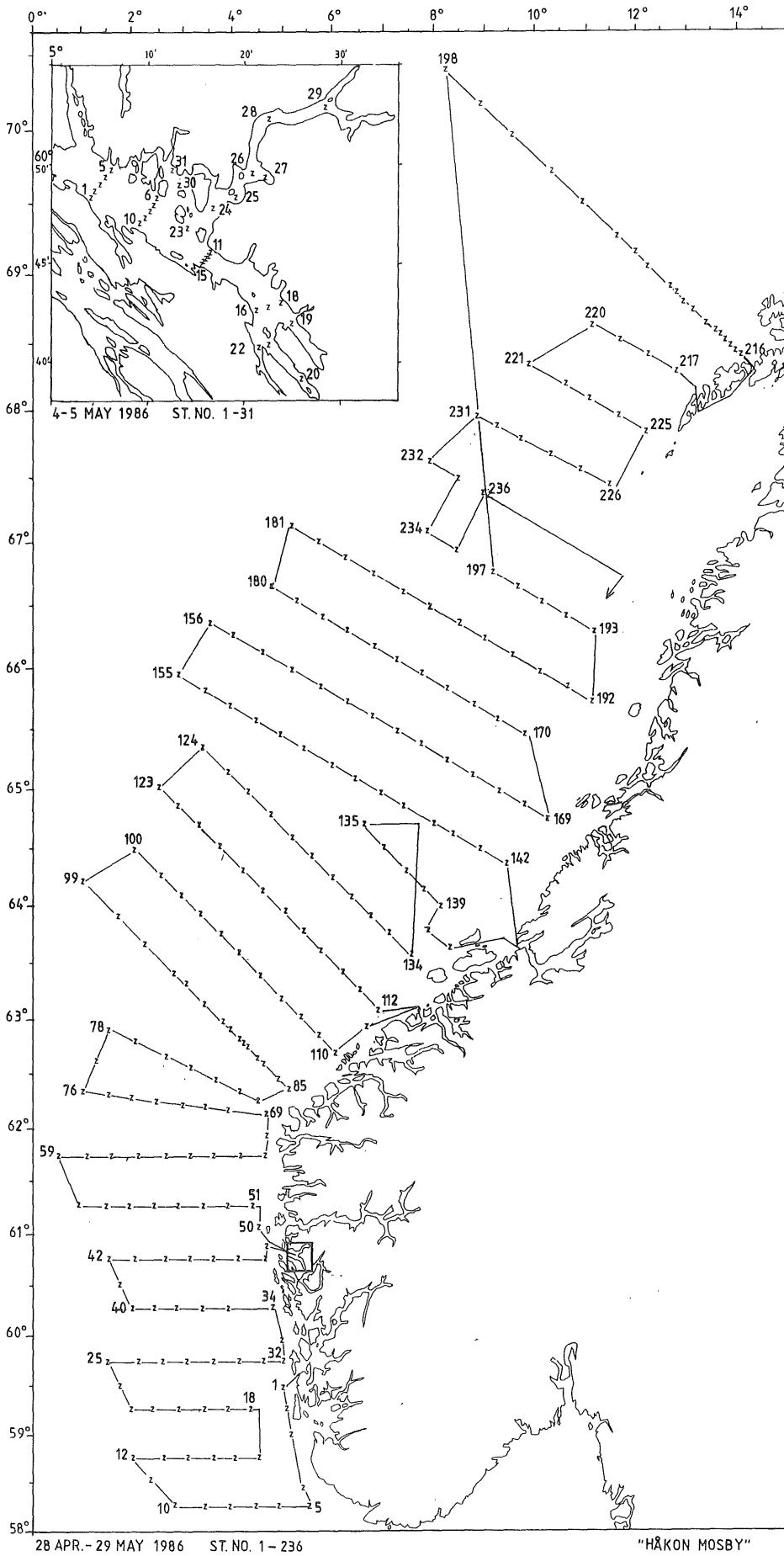


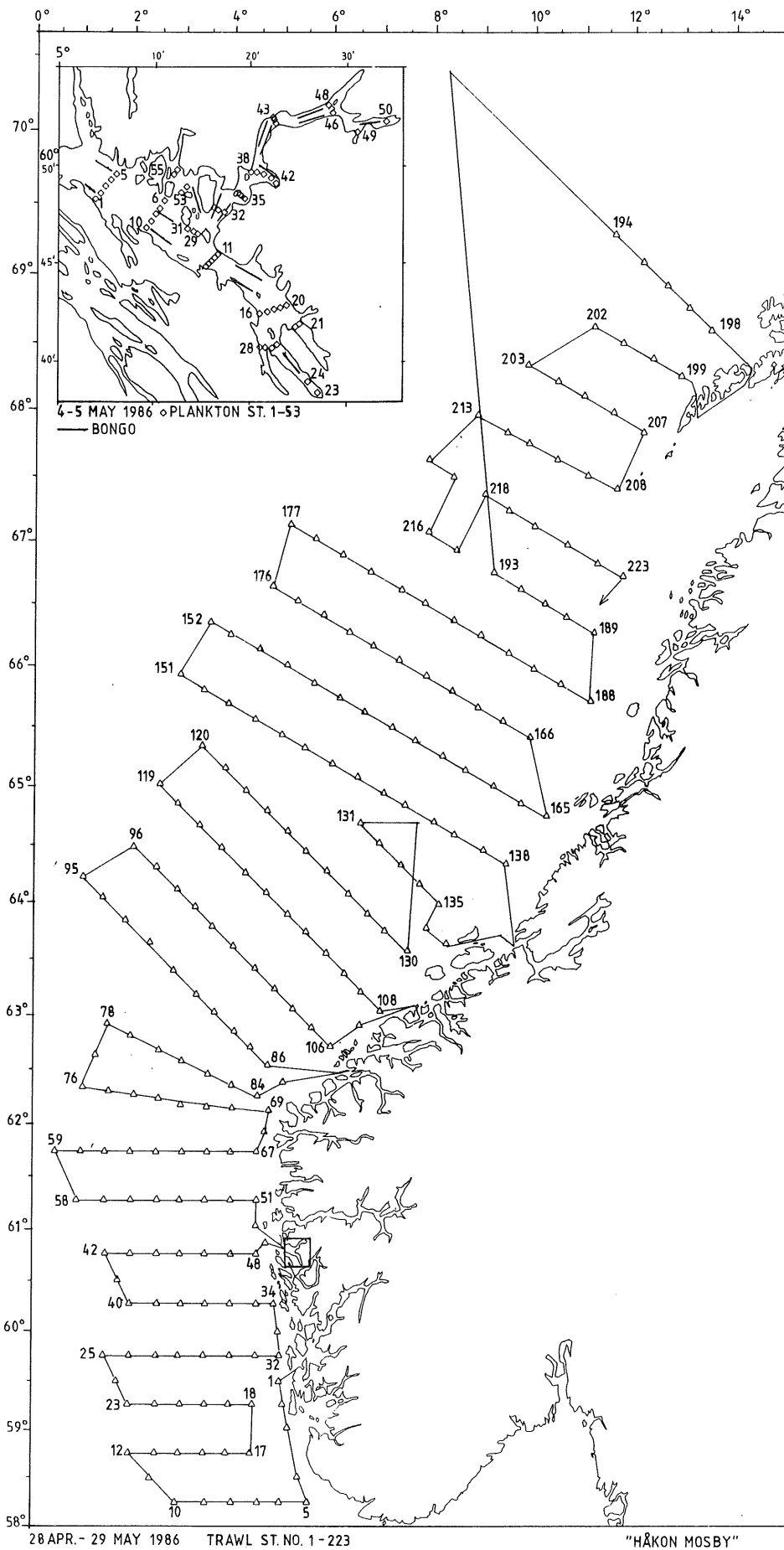


"HÅKON MOSBY"

TRAWL ST. NO. 1-36

4-21 FEB. 1986





28 APR. - 29 MAY 1986 TRAWL ST. NO. 1-223

"HÅKON MOSBY"

