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Long-term Temperature Monitoring Program 1984, Newfoundland Region

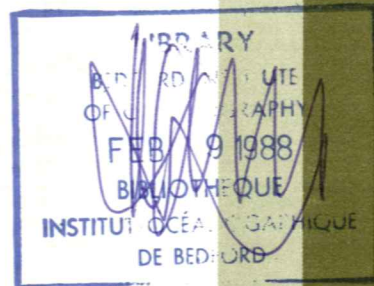
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September 1985

**Canadian Data Report of
Hydrography and Ocean Sciences
No. 34**



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Les rapports statistiques sont produits à l'échelon régional mais sont numérotés et placés dans l'index à l'échelon national. Les demandes de rapports seront satisfaites par l'établissement auteur dont le nom figure sur la couverture et la page de titre. Les rapports épuisés seront fournis contre rétribution par des agents commerciaux.

Les établissements des Sciences et Levés océaniques dans les régions et à l'administration centrale ont cessé de publier leurs diverses séries de rapports depuis décembre 1981. Vous trouverez dans l'index des publications du volume 38 du *Journal canadien des sciences halieutiques et aquatiques*, la liste de ces publications ainsi que le dernier numéro paru dans chaque catégorie. La nouvelle série a commencé avec la publication du Rapport n° 1 en janvier 1982.

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Hydrography and Ocean Sciences No. 34

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LONG-TERM TEMPERATURE
MONITORING PROGRAM 1984, NEWFOUNDLAND REGION

by

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ABSTRACT

Dobson, D., Petrie, B. and Stead, P. 1985. Long-term temperature monitoring program 1984, Newfoundland Region. Can. Data Rep. Hydrogr. Ocean Sci. 34: v + 333 p.

Temperature data collected in 1984 near the bottom at sites of productive fisheries in coastal areas of Newfoundland are presented.

RÉSUMÉ

Dobson, D., Petrie, B. and Stead, P. 1985. Long-term temperature monitoring program 1984, Newfoundland Region. Can. Data Rep. Hydrogr. Ocean Sci. 34: v + 333 p.

On présente des données relatives à la température recueillies, en 1984, à proximité du fond aux endroits où la pêche est productive.

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Hearts Desire, NFLD	84
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Holyrood, NFLD	94
Broad Cove, NFLD	102
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Melrose, NFLD	226
Gooseberry Cove, NFLD	230
Deer Harbour, NFLD	234
Chance Cove, NFLD	237
Hearts Desire, NFLD	242
Harbour Grace, NFLD	250
Holyrood, NFLD	256
Broad Cove, NFLD	265
Logy Cove, NFLD	268
Witless Bay, NFLD	272
Lance Cove, NFLD	278
Biscay Bay River, NFLD	280
North East Trepassey Bay, NFLD	282
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INTRODUCTION

A pilot program to obtain continuous long term measurements of bottom temperature in the Scotia-Fundy and Gulf region was initiated in March 1978, primarily at the request of biologists from the St. Andrews Biological Station. Their studies indicate that water temperature has a significant influence on the growth and feeding activity of commercial invertebrates (lobster, crab and scallops). The results of the 1978 observations and data from following years are contained in Bedford Institute data reports and may be obtained from Mr. Des Dobson (Atlantic Oceanographic Laboratory, Bedford Institute of Oceanography, Dartmouth, N.S.).

Temperature records have been collected in the Newfoundland region since at least 1967, supervised by Mr. Paul Stead, and are also found in B.I.O. data reports. We present the data gathered during the 1984 field season from Newfoundland coastal area.

INSTRUMENTATION

The Ryan Model J thermograph has been used in the program and is described by Gregory and Dobson (1978). Site selection and mooring deployment are handled by the fisheries lab in St. John's. Personnel at the Atlantic Oceanographic Lab have been servicing and calibrating the instruments, digitizing and plotting the data, and making elementary calculations. Many of the Newfoundland sites are diver serviced in relatively sheltered areas.

MOORING SITES, DATA RETURN AND PROCESSING

The mooring sites have been divided into three areas: (1) Scotia-

Fundy; (2) Gulf; and (3) Newfoundland. The large amount of data has required the report to be divided into two parts with this one covering the Newfoundland region. Tables for the mooring locations, with the corresponding area map, follow. Site names, instrument serial numbers, depths, co-ordinates, data length and location are recorded in the tables when available. Instrument loss or failure is shown in the same format using start-stop time space for remarks.

All data reduction, plotting and calculations were contracted out to Evans Computer Applications Ltd. The analogue charts were digitized every four hours to the nearest 0.5°C and calculations are based on these data. The calculations included daily mean temperatures and the accumulated degree days (ADD) starting with the beginning of the record. Reference temperatures, T(ref), of 0°C and 4°C were used. The first and last calculations generally include partial days (prorated to full days) depending on the time the moorings were set and recovered.

We have: $ADD = \sum(T-T(\text{ref})) \times \text{time}$ where for $T < T(\text{ref})$, $T-T(\text{ref}) = 0$ and time is given in days. Table 3 gives a summary of the data return and some of the problems encountered during the field season. Table 4 gives the monthly degree calculations relative to 0°C (dividing by the number of days in a month will give the approximate average monthly temperature).

Instrument recoveries do not always coincide with the calendar year, as in the case of instruments presumed lost and later recovered. Thus, the data reported here include time series from earlier years.

REFERENCE

Gregory, D. and D. Dobson, 1978. Long Term Temperature Monitoring Program. Bedford Institute of Oceanography Data Series, BI-D-78, Sep 1978, 12 pp.

TABLE 1AREA 1 (NEWFOUNDLAND) SITE DESIGNATIONS

1	Hebron Fiord, Labrador
2	Spotted Island, Labrador
3	Fox Harbour, Labrador
4	Westport, Nfld
5	Harry's Harbour, Nfld
6	Indian River Springdale
7	Comfort Cove, Nfld
8	Hillgrade Cove, Nfld
9	Herring Neck, Nfld
10	Upper Terra Nova River
11	Stock Cove, Nfld
12	Salvage Bay, Nfld
13	Melrose, Nfld
14	Gooseberry Cove, Nfld
15	Deer Harbour, Nfld
16	Chance Cove, Nfld
17	Hearts Desire, Nfld
18	Harbour Grace, Nfld
19	Holyrood, Nfld
20	Broad Cove, Nfld
21	Logy Bay, Nfld
22	Bay Bulls, Nfld
23	Witless Bay, Nfld
24	Lance Cove, Nfld
25	Biscay Bay River, Nfld
26	North East Trepassey Riv.
27	NE River Placentia Bay
28	Shag Rocks, Nfld
29	Arnolds Cove, Nfld
30	Garden Cove, Nfld
31	Corbin, Nfld
32	Headwater Pond, Nfld
33	Spruce Pond, Nfld
34	Salmon Brook Glenwood

Mooring Sites

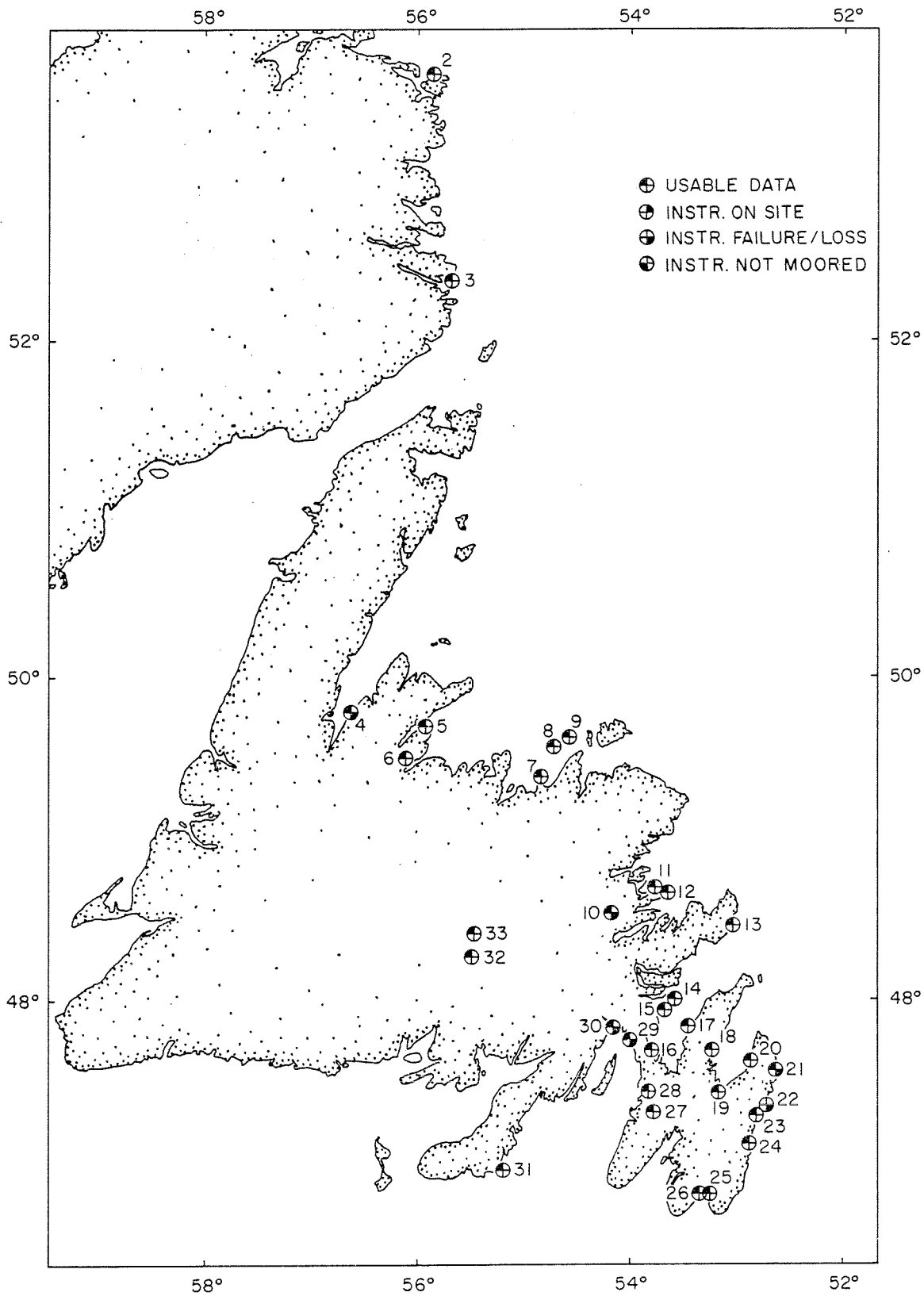


TABLE 2
 AREA 1 (NEWFOUNDLAND) SUMMARY

STA.	NAME	SERIAL NO.	LAT.	LONG.	START TIME	STOP TIME
1A	HEBRON FIORD LARR	62452	1 53.09	63.05	AUG 24/1984	SEPT 28/1984
1B	IKARUT RIVER HEBRON LARR	61386	2 53.09	63.05	JULY 16/1983	SEPT 29/1983
1C	HEBRON FIORD LARR	61572	3 53.09	63.05	JULY 12/1984	OCT 2/1984
1D	HEBRON FIORD LARR	63436	0 53.10	63.08	MECHANICAL FAILURE	
2	SPOTTED ISLAND LARR	60732	3 53.51	55.86	JULY 5/1984	SEPT 5/1984
2A	FOX HARBOR LARR	63338	3 52.35	55.70	JUNE 11/1984	OCT 5/1984
2B	FOX HARBOR LARR	63339	3 52.35	55.70	JUNE 11/1984	OCT 5/1984
4A	WESTPORT NELO	61670	10 49.77	56.63	JUNE 1/1984	OCT 15/1984
4B	WESTPORT NELO	62865	1 49.77	56.63	JUNE 1/1984	5/1984
4C	WESTPORT NELO	63312	0 49.77	56.63	MECHANICAL FAILURE	
4D	WESTPORT NELO	63374	0 49.77	56.63	MECHANICAL FAILURE	
5A	HARRY'S HARBOR NELO	62438	1 49.70	55.93	JUNE 14/1984	OCT 17/1984
5B	HARRY'S HARBOR NELO	63309	1 49.70	55.93	OCT 18/1984	DEC 18/1984
5C	HARRY'S HARBOR NELO	63373	1 49.70	55.93	OCT 18/1984	DEC 18/1984
6	INDIAN RIVER SPRINGDALE	61516	1 49.51	56.11	JULY 6/1984	SEPT 12/1984
7A	COMFORT COVE NELO	61682	9 49.41	54.83	DEC 4/1983	APR 11/1984
7B	COMFORT COVE NELO	61688	9 49.41	54.83	DEC 7/1983	MAY 15/1984
7C	COMFORT COVE NELO	62917	9 49.41	54.83	MAY 16/1984	SEPT 13/1984
7D	COMFORT COVE NELO	60910	9 49.41	54.83	MAY 16/1984	MECH. FAIL.
8A	HILLGRADE NELO	62904	1 49.57	54.70	OCT 7/1983	JAN 2/1984
8B	HILLGRADE NELO	62479	10 49.57	54.70	OCT 7/1983	JAN 5/1984
9A	HERRING NECK NELO	62473	1 49.63	54.58	JUNE 12/1984	OCT 13/1984
9B	HERRING NECK NELO	62499	10 49.63	54.58	JUNE 12/1984	JULY 28/1984
9C	HERRING NECK NELO	63360	1 49.63	54.58	OCT 17/1984	DEC 19/1984
9D	HERRING NECK NELO	63311	10 49.63	54.58	OCT 17/1984	DEC 19/1984
10A	UPPER TERRA NOVA RIVER	60914	1 43.55	54.18	JUNE 20/1984	SEPT 28/1984
10B	TERRA NOVA RIVER	62452	1 43.55	54.18	INSTRUMENT LEAKED	
11A	STOCK COVE NELO	62452	9 43.71	53.76	DEC 6/1983	MAR 20/1984
11B	STOCK COVE NELO	62457	9 43.71	53.76	DEC 6/1983	FEB 25/1984
11C	STOCK COVE NELO	62542	9 43.71	53.76	MAY 15/1984	SEPT 17/1984
11D	STOCK COVE NELO	62468	9 43.71	53.76	MAY 15/1984	SEPT 17/1984
12A	SALVAGE BAY NELO	62485	1 43.68	53.65	MAY 30/1984	SEPT 25/1984
12B	SALVAGE BAY NELO	62472	10 43.68	53.65	MAY 30/1984	JUNE 14/1984
13A	MELPOUSE NELO	62491	9 43.47	53.04	SEPT 6/1984	NOV 5/1984
13B	MELPOUSE NELO	63371	28 43.47	53.04	SEPT 6/1984	NOV 5/1984
14A	GOODS BERRY COVE NELO	63353	18 43.00	53.60	JUNE 9/1984	SEPT 6/1984
14B	GOODS BERRY COVE NELO	63294	27 43.00	53.60	JUNE 9/1984	JULY 30/1984
15A	DEER HARBOR NELO	63293	18 47.94	53.67	JUNE 9/1984	AUG 22/1984
15B	DEER HARBOR NELO	63299	27 47.94	53.67	JUNE 9/1984	JUNE 21/1984
16A	CHANCE COVE NELO	63344	9 47.68	53.80	JUNE 14/1984	SEPT 9/1984
16B	CHANCE COVE NELO	63297	27 47.70	53.82	MAY 18/1984	AUG 28/1984

STA.	NAME	SERIAL	DP.	LAT.	LONG.	START TIME	STOP TIME
17A	HEARTS DESIRE NFLD	63341	9	47.64	53.45	JUNE 22/1984	JCT 17/1984
17R	HEARTS DESIRE NFLD	62907	9	47.84	53.45	SEPT 15/1984	NOV 5/1984
17C	HEARTS DESIRE NFLD	63296	28	47.84	53.45	JUNE 21/1984	SEPT 12/1984
17D	HEARTS DESIRE NFLD	62902	28	47.84	53.45	SEPT 15/1984	JCT 2/1984
18A	HARBOUR GRACE NFLD	62571	6	47.69	53.24	DEC 13/1983	FEB 3/1984
19R	HARBOUR GRACE NFLD	61565	6	47.69	53.24	MAY 31/1984	NOV 20/1984
19A	HOLYROOD NFLD	61636	10	47.42	53.17	OCT 5/1983	APR 5/1984
19B	HOLYROOD NFLD	61689	10	47.42	53.17	OCT 5/1983	FEB 4/1984
19C	HOLYROOD NFLD	63376	6	47.42	53.17	AUG 25/1984	SEPT 25/1984
20	BROAD COVE NFLD	62540	7	47.62	52.88	MAY 23/1984	SEPT 17/1984
21A	LOGY BAY NFLD	62482	8	47.58	52.67	OCT 14/1982	MAR 21/1983
21R	LOGY BAY NFLD	63283	0	47.58	52.67	DATA NOT RETURNED	
22	BAY BULLS NFLD	62552	0	47.30	52.75	DATA NOT RETURNED	
23A	WITLESS BAY NFLD	62903	7	47.28	52.92	MAY 30/1984	SEPT 26/1984
23R	WITLESS BAY NFLD	61734	8	47.26	52.77	JUNE 21/1984	AUG 31/1984
233	WITLESS BAY NFLD	60753	1	47.27	52.50	MAY 30/1984	JUNE 10/1984
24	LANCE COVE NFLD	62905	10	47.08	52.89	JUNE 21/1984	AUG 15/1984
25	BISCAY BAY RIVER NFLD	63342	1	46.77	53.28	JUNE 29/1984	AUG 15/1984
26A	NORTH EAST TREPASSE RIV	63346	1	46.76	53.35	SEPT 13/1984	SEPT 22/1984
26B	OFF CAPE MITTON TREPASSE	61515	1	46.77	53.35	JUNE 10/1984	JULY 10/1984
27	N E RIVER PLACENTIA BAY	61638	1	47.29	53.79	JUNE 20/1984	SEPT 4/1984
28A	SHAG ROCKS NFLD	62500	9	47.42	53.83	OCT 5/1983	JAN 17/1984
28B	SHAG ROCKS NFLD	62889	9	47.42	53.83	OCT 5/1983	JAN 17/1984
28C	SHAG ROCKS NFLD	62462	9	47.42	53.83	JAN 17/1984	MAR 21/1984
28D	SHAG ROCKS NFLD	62494	9	47.42	53.83	JAN 17/1984	MAY 9/1984
28E	SHAG ROCKS NFLD	61551	9	47.42	53.83	MAY 9/1984	AUG 14/1984
28F	SHAG ROCKS NFLD	61534	9	47.42	53.83	MAY 9/1984	MAY 31/1984
29A	ARNOLDS COVE NFLD	61565	9	47.75	54.00	OCT 3/1983	JAN 31/1984
29B	ARNOLDS COVE NFLD	62911	9	47.75	54.00	OCT 3/1983	JAN 31/1984
29C	ARNOLDS COVE NFLD	62902	9	47.75	54.00	JAN 31/1984	JULY 25/1984
29E	ARNOLDS COVE NFLD	63303	9	47.75	54.00	JULY 25/1984	OCT 31/1984
29F	ARNOLDS COVE NFLD	60908	9	47.75	54.00	JULY 25/1984	NOV 1/1984
29G	ARNOLDS COVE NFLD	62907	9	47.75	54.00	MECH. FAIL. - TIMING	
30A	GARDEN COVE NFLD	62910	10	47.84	54.16	OCT 13/1983	OCT 30/1983
30R	GARDEN COVE NFLD	62546	10	47.84	54.16	APR 2/1984	AUG 30/1984
30C	GARDEN COVE NFLD	62482	10	47.84	54.16	APR 3/1984	AUG 13/1984
30D	GARDEN COVE NFLD	61559	10	47.84	54.16	MECH. FAIL. - TIMING	
31	CORBIN NFLD	61655	9	45.96	55.25	JUNE 18/1984	OCT 17/1984
32	HEADWATER BOND NFLD	62888	1	43.28	55.49	MAY 15/1984	MAY 31/1984
33	SPPUCE BOND NFLD	61690	1	43.32	55.47	MAY 15/1984	SEPT 26/1984
34	SALMON BROOK GLENWOOD	60989	1	49.00	54.90	JUNE 25/1984	SEPT 5/1984
	DFD NFLD	62494				MECHANICAL FAILURE	
	DFD NFLD	62879				MECHANICAL FAILURE	
	DFD NFLD	63425				MECH. FAIL. - FLOODED	
	DFD NFLD	62888				MECH. FAIL. - FLOODED	
	DFD NFLD	62547				MAILING ERROR	
	DFD NFLD	63318				MAILING ERROR	
	DFD NFLD	63424				MAILING ERROR	

TABLE 3SUMMARY OF DATA RETURN AND LOSS

Deployments	85
Usable data (d)	6337
Inst. Lost	10
Ave. Mooring Period	85.5
Inst. Lost x Ave. Mooring Period (d)	855
% data return (losses omitted)	87
% data return (losses included)	77.9
Inst. with mechanical failure	11
Lost or damaged in transit	0
Damage upon Mooring	0

Table 4

(NEWFOUNDLAND) MONTHLY DEGREE CALCULATIONS RELATIVE TO 0°C

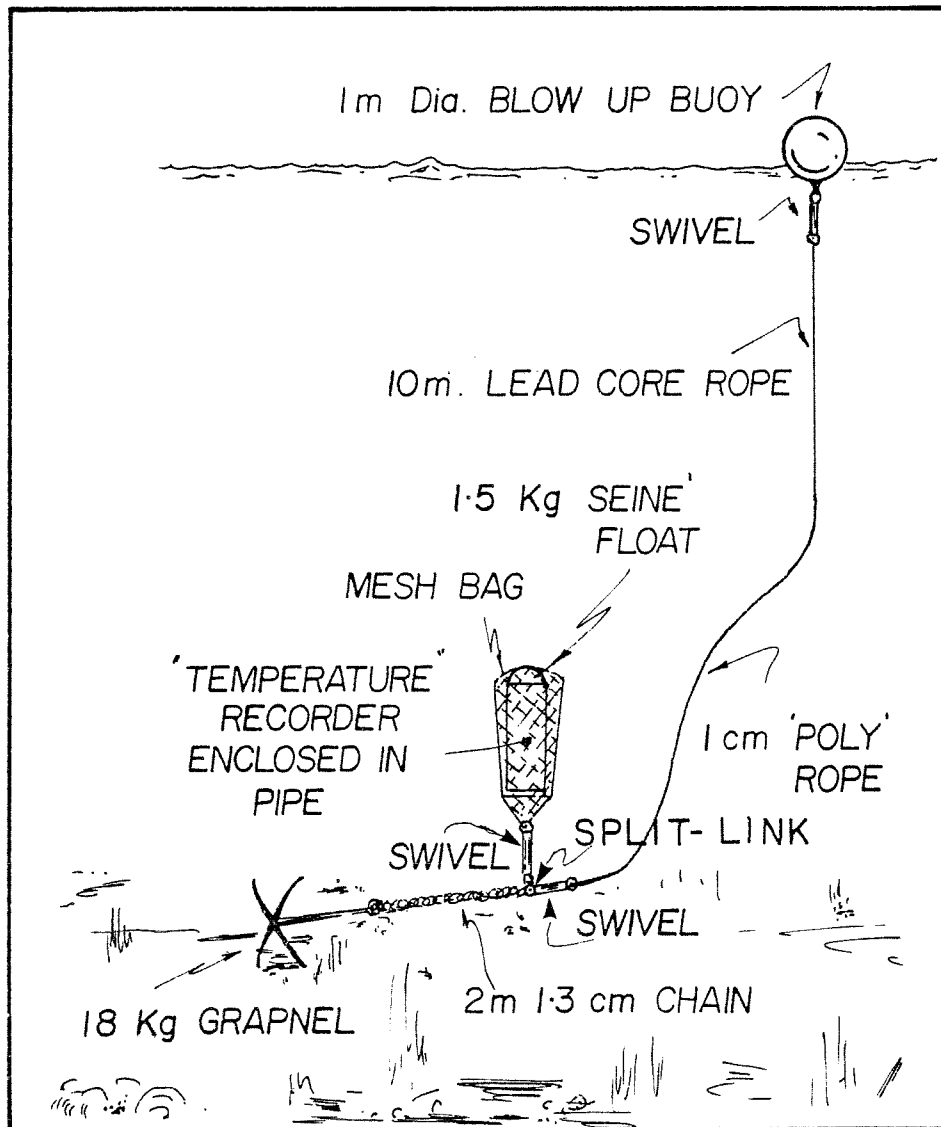
LOCATION	DP	07/83	08/83	09/83	10/83	11/83	12/83	01/84	02/84	03/84	04/84	05/84	06/84	07/84	08/84	09/84	10/84	11/84	12/84
HEBRON FIORD, LABRADOR, NFLD	1															149*			
IKARUT RIVER HEBRON, LABRADOR, NFLD	2	185*	124	93*															
HEBRON FIORD, LABRADOR, NFLD	3													322*	158	127			
SPOTTED ISLAND, LABRADOR, NFLD	3													212*	274				
FOX HARBOUR, LABRADOR, NFLD	3												84*	193	248	218			
WESTPORT, NFLD	10												80	238	393	330	209*		
WESTPORT, NFLD	1												80	279	381	311			
HARRY'S HARBOUR, NFLD	1												162*	269	435	352	219	73	15*
NE PLACENTIA BAY, NFLD	1												460*	626	636				
COMFORT COVE, NFLD	9						25*	0	0	0	0	18	113	231	394	354*			
HILLGRADE, NFLD	1				292*	153	35												
HILLGRADE, NFLD	10				283*	142	31												
HERRING NECK, NFLD	1																		
HERRING NECK, NFLD	10												212*	408	483	388	227	86	16*
UPPER TERRS NOVA RIVER, NFLD	1												92*	256*			181*	86	22*
STOCK COVE, NFLD	9						41*	0	0	1*	0	12*	394*	575	575	415*			
SALVAGE BAY, NFLD	1												122	180	398	414*			
SALVAGE BAY, NFLD	10												170	327	458	420*			
MELROSE, NFLD	9												84*						
MELROSE, NFLD	28																		
GOOSEBERRY COVE, NFLD	18												112*	131	274	310*	213*		
GOOSEBERRY COVE, NFLD	27												65*	85*		233*	253		
DEER HARBOUR, NFLD	18												530	74	149*				
DEER HARBOUR, NFLD	27												88*						
CHANCE COVE, NFLD	9												120*	135	314				
CHANCE COVE, NFLD	27							59*					39	143	382*				
HEARTS DESIRE, NFLD	9													304	276	328	284		
HEARTS DESIRE, NFLD	28													24	139	320*			

* Designates calculation based on less than a full month's data

(NEWFOUNDLAND) MONTHLY DEGREE CALCULATIONS RELATIVE TO 0 °C

LOCATION	DP	07/83	08/83	09/83	10/83	11/83	12/83	01/84	02/84	03/84	04/84	05/84	06/84	07/84	08/84	09/84	10/84	11/84	12/84
HABROUR GRACE, NFLD	6				378*	236	17*	0	66	61			110	214	353	344	251	166*	
HOLYROOD, NFLD	10																		
HOLYROOD, NFLD	6																		
BROAD COVE, NFLD	7												141	363	437	391*			
WITLESS BAY, NFLD	7												79	208	339	378*			
WITLESS BAY, NFLD	8												152*	252	371	340*			
WITLESS BAY, NFLD	1												66*						
LANCE COVE, NFLD	10												69*	144	233*				
BISCAY BAY RIVER, NFLD	1													569	597*				
OFF CAPE MUTTON																			
TREPASSEY BAY	1												148*	212*					
INDIAN RIVER																			
SPRINGDALE, NFLD	1													594*	551	441*			
SHAG ROCKS, NFLD	9				314*	222	128	39	14	8	8	97	157	364	433*				
ARNOLDS COVE, NFLD	9				306*	208	116	45	13	13	14	86	169	352*	495	403	246		
GARDEN COVE, NFLD	10				287*														
GARDEN COVE, NFLD	10				287*														
CORBIN, NFLD	9																		
HEAD WATER POND, NFLD	1													445	514*				
SPRUCE POND, NFLD	1													246	425	377	221*		
SALMON BROOK																			
GLENWOOD, NFLD	1													558	555	372*			
														604	569				

* Designates calculation based on less than a full month's data

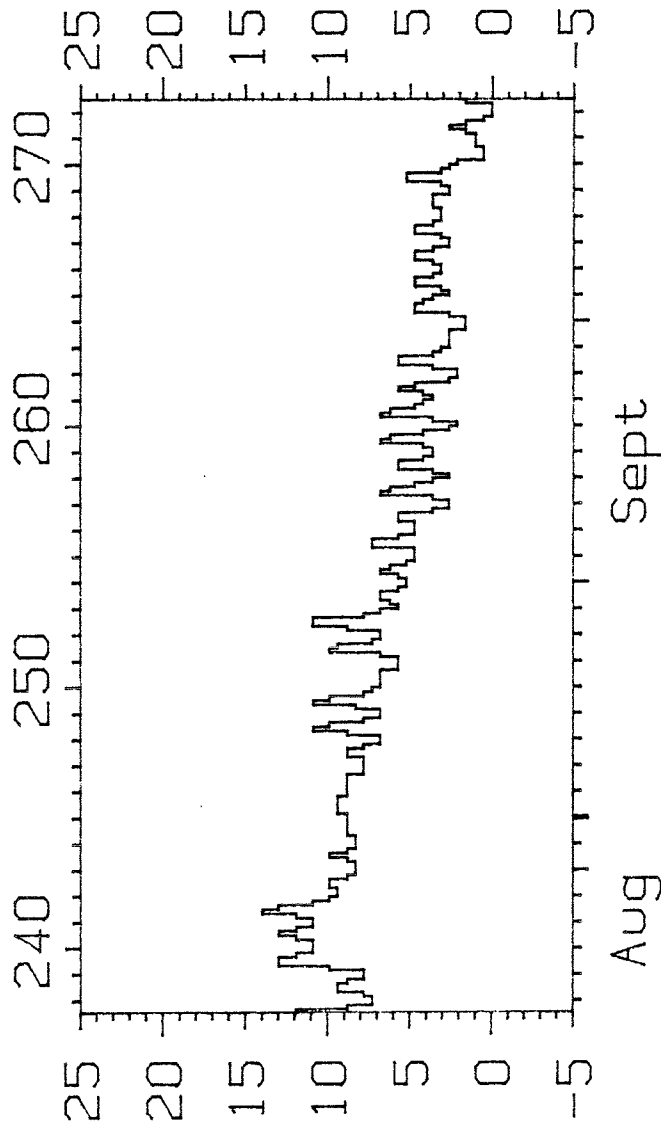


Mooring Diagram for Temperature Recorder

6. Newfoundland Area Temperature Plots

HEBRON FIORD LABRADOR NFLD

Pos. : 58.09, 63.05 Depth : 1 meters
Aug 24, 1984 12:00 GMT to Sept 28, 1984 12:00 GMT

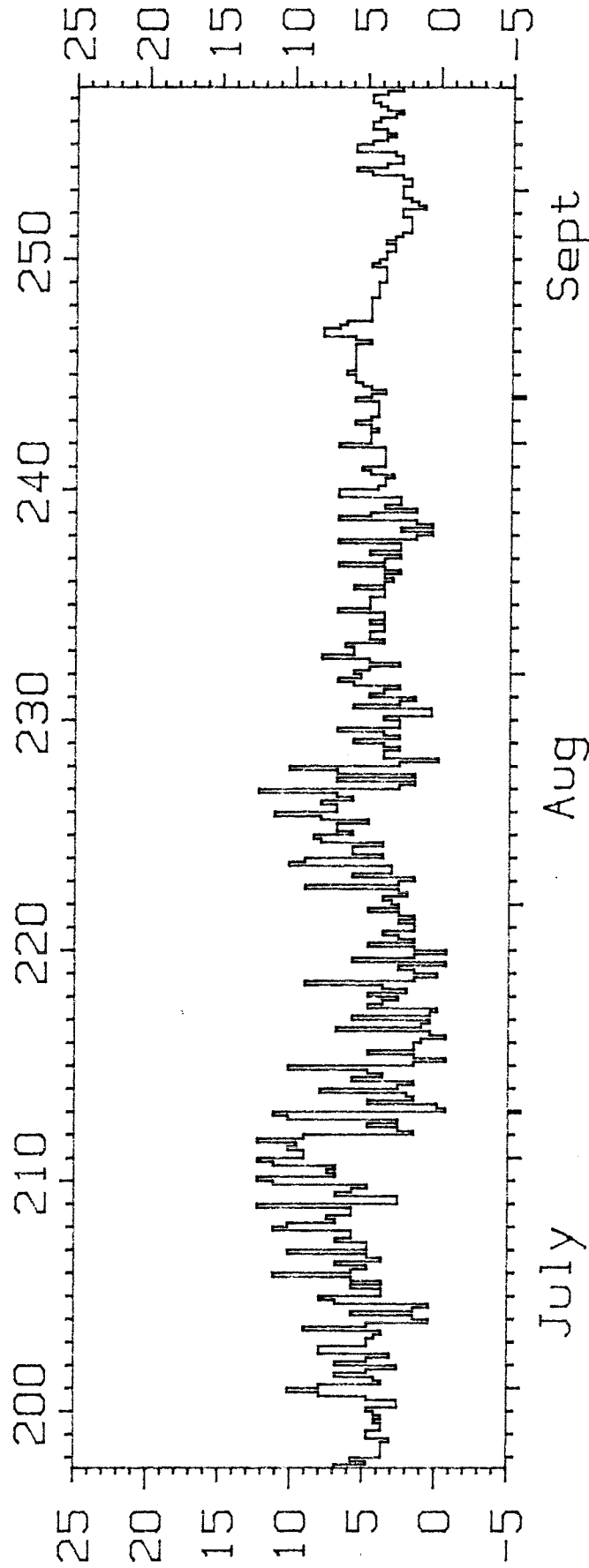


Instrument : 62452

IKARUT RIVER HEBRON LABRADOR NFLD (Page 1)

Pos. : 58.09, 63.05 Depth : 2 meters

July 16, 1983 12:00 GMT to Sept 14, 1983 12:00 GMT

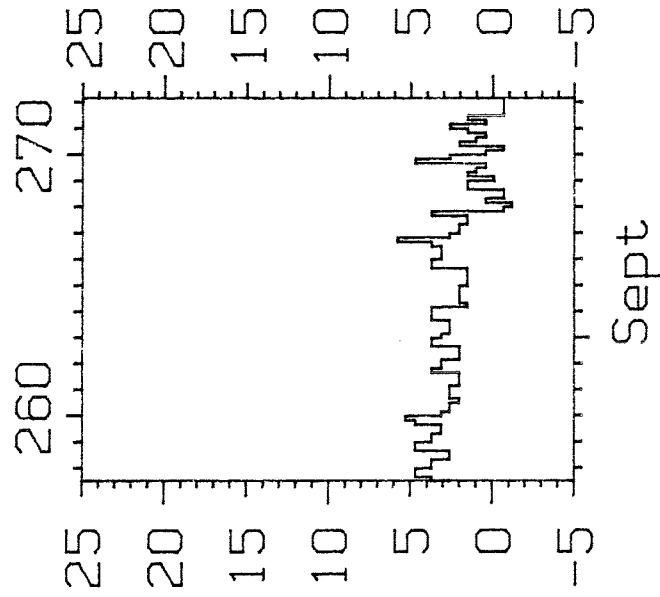


Instrument : 61386

IKARUT RIVER HEBRON LABRADOR NFLD (Page 2)

Pos. : 58.09, 63.05 Depth : 2 meters

Sept 14, 1983 12:00 GMT to Sept 29, 1983 04:00 GMT

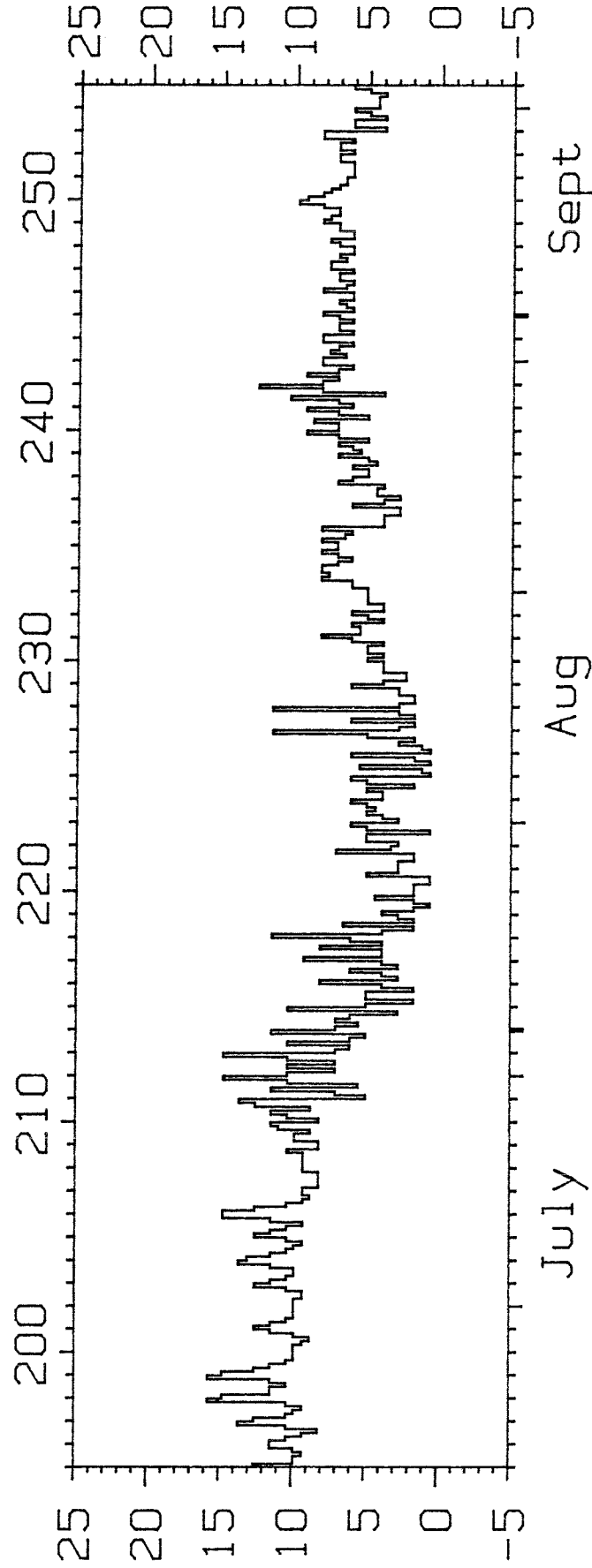


Instrument : 61386

HEBRON FIORD LABRADOR NFLD (Page 1)

Pos. : 58.09, 63.05 Depth : 3 meters

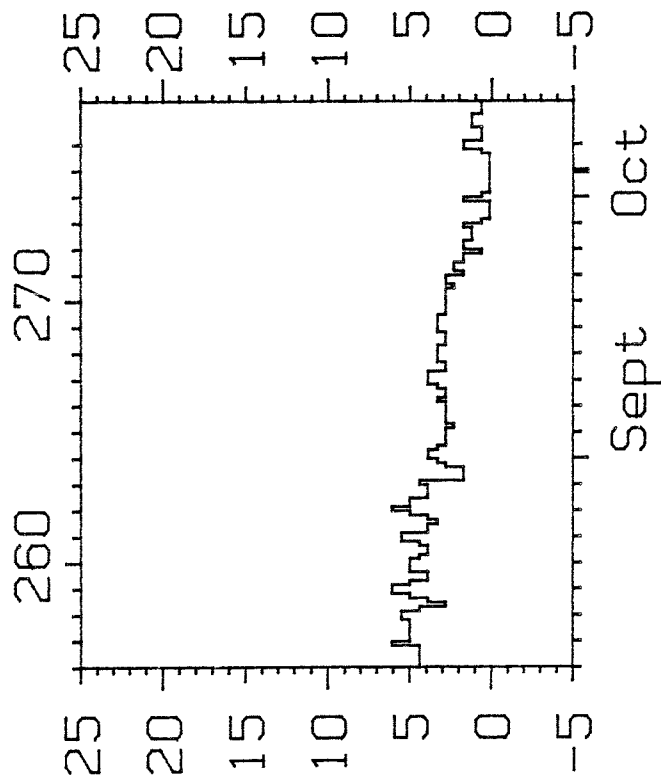
July 12, 1984 24:00 GMT to Sept 11, 1984 00:00 GMT



Instrument : 61672

HEBRON FIORD LABRADOR NFLD (Page 2)

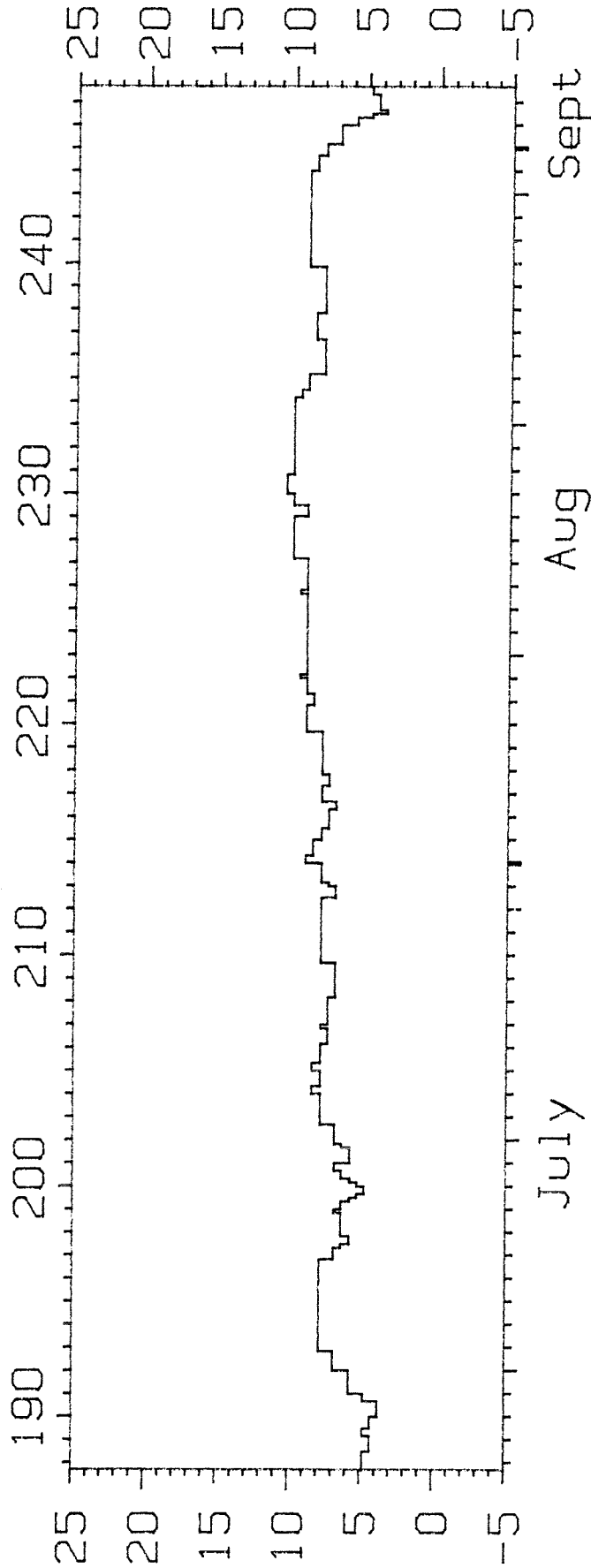
Pos. : 58.09, 63.05 Depth : 3 meters
Sept 11, 1984 00:00 GMT to Oct 2, 1984 16:00 GMT



Instrument : 61672

SPOTTED ISLAND LABRADOR NFLD (Page 1)

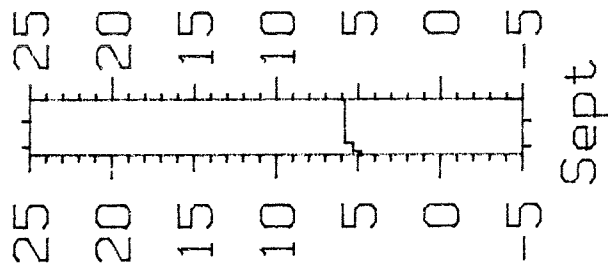
Pos. : 53.51, 55.86 Depth : 2.5 meters
July 5, 1984 16:00 GMT to Sept 3, 1984 16:00 GMT



Instrument : 60732

SPOTTED ISLAND LABRADOR NFLD (Page 2)

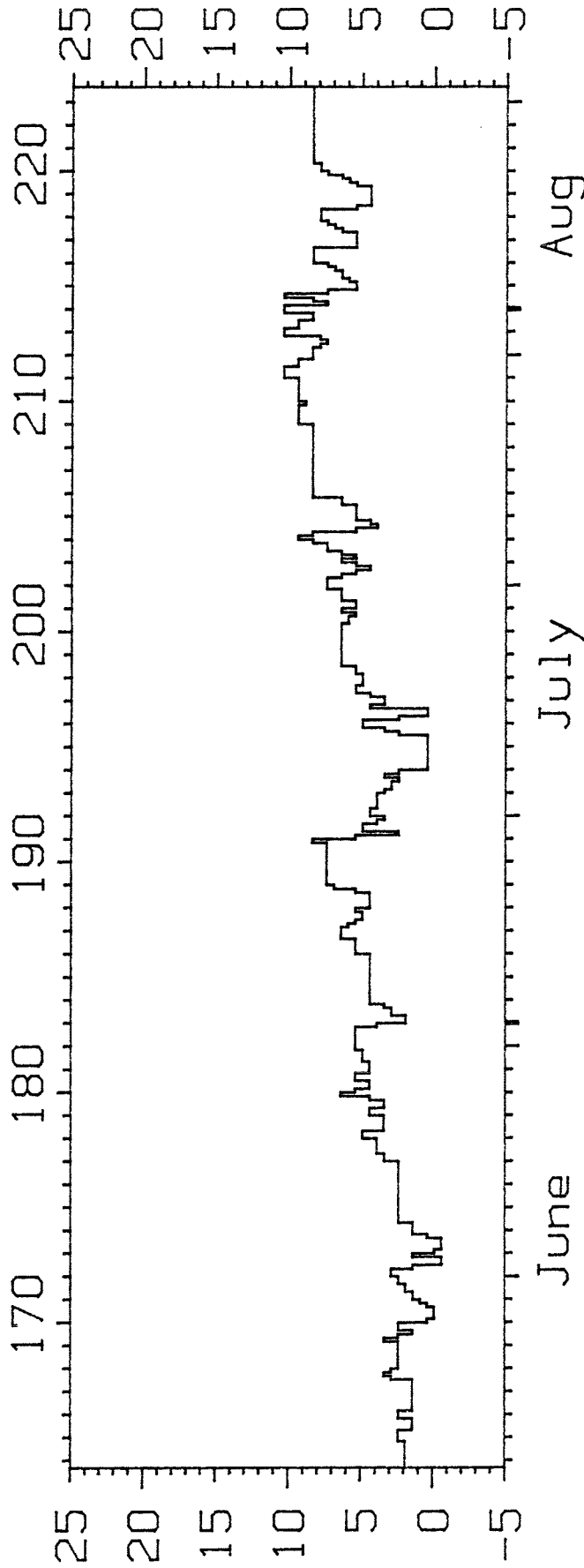
Pos. : 53.51, 55.86 Depth : 2.5 meters
Sept 3, 1984 16:00 GMT to Sept 5, 1984 20:00 GMT



Instrument : 60732

FOX HARBOUR LABRADOR NFLD (Page 1)

Pos. : 52.35, 55.7 Depth : 3 meters
June 11, 1984 16:00 GMT to Aug 10, 1984 16:00 GMT



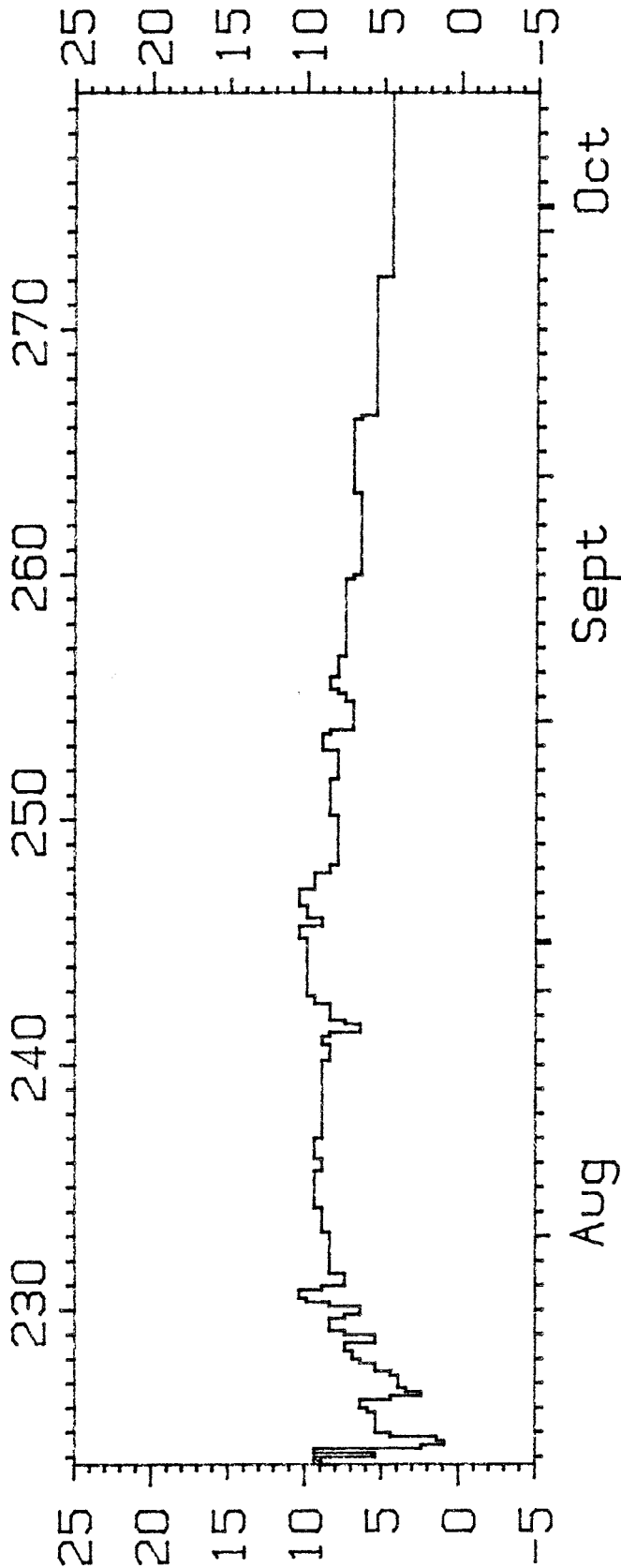
Instrument : 63338

(Page 2)

FOX HARBOUR LABRADOR NFLD

Pos. : 52.35, 55.7 Depth : 3 meters

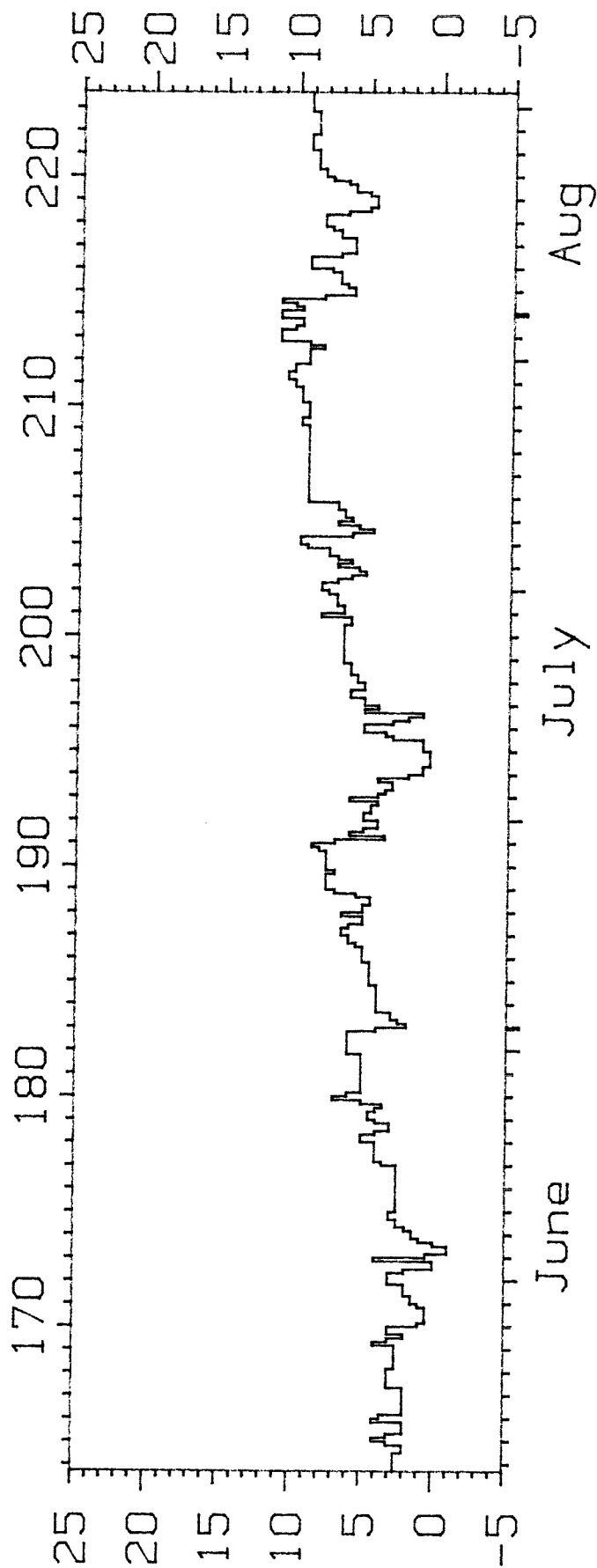
Aug 10, 1984 16:00 GMT to Oct 5, 1984 16:00 GMT



Instrument : 63338

FOX HARBOUR LABRADOR NFLD (Page 1)

Pos. : 52.35, 55.7 Depth : 3 meters
June 11, 1984 16:00 GMT to Aug 10, 1984 16:00 GMT



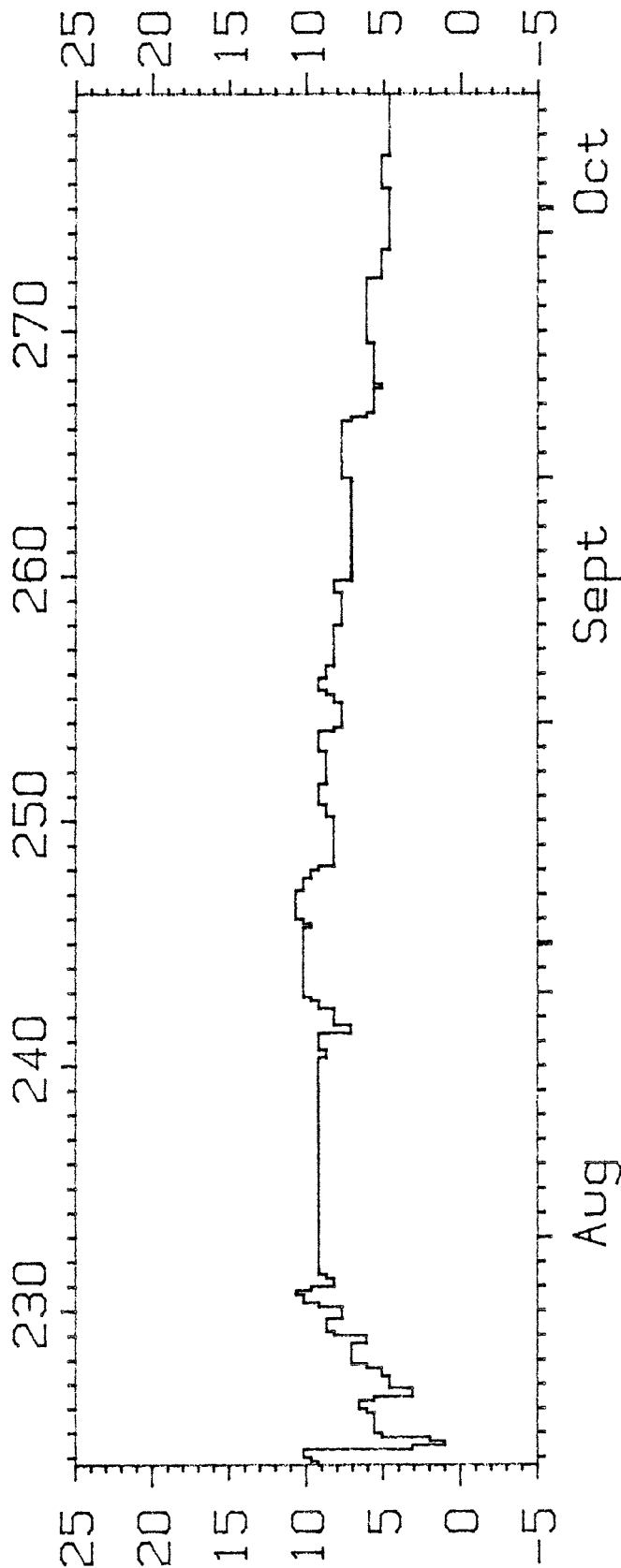
Instrument : 63339

(Page 2)

FOX HARBOUR LABRADOR NFLD

Pos. : 52.35, 55.7 Depth : 3 meters

Aug 10, 1984 16:00 GMT to Oct 5, 1984 16:00 GMT



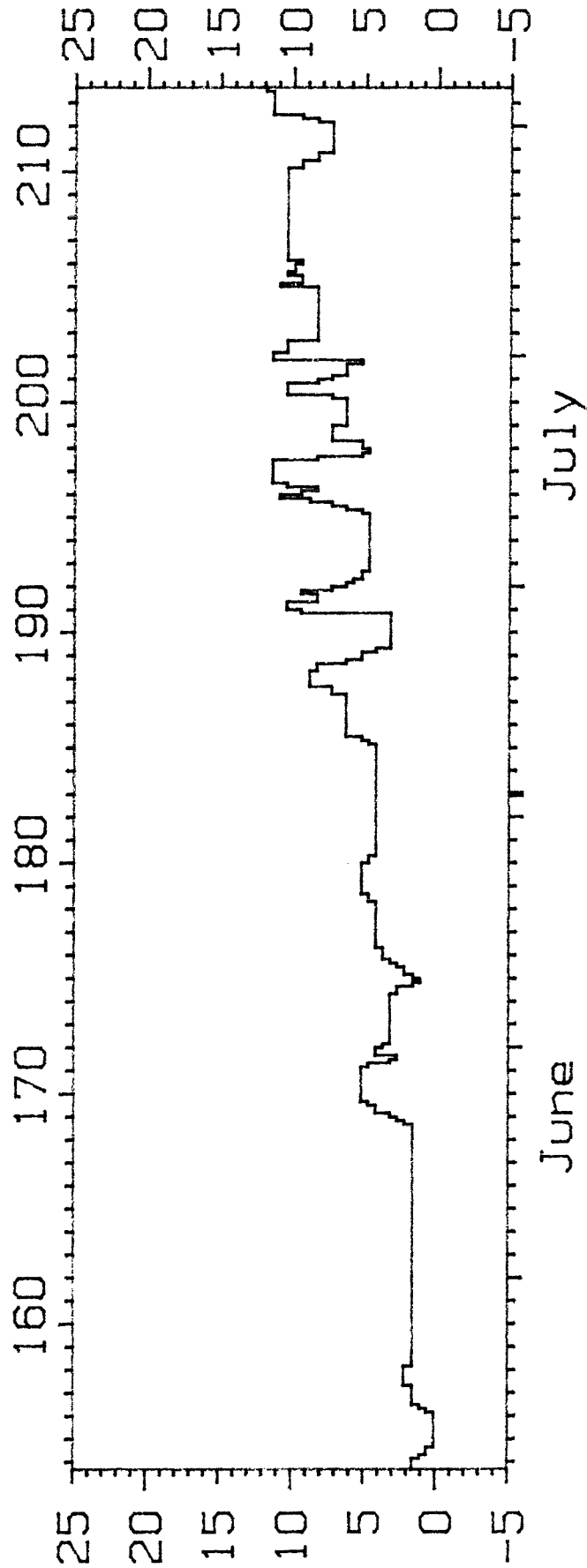
Instrument : 63339

WESTPORT NFLD

(Page 1)

Pos. : 49.77, 56.63 Depth : 10 meters

June 1, 1984 16:00 GMT to July 31, 1984 16:00 GMT



Instrument : 61670

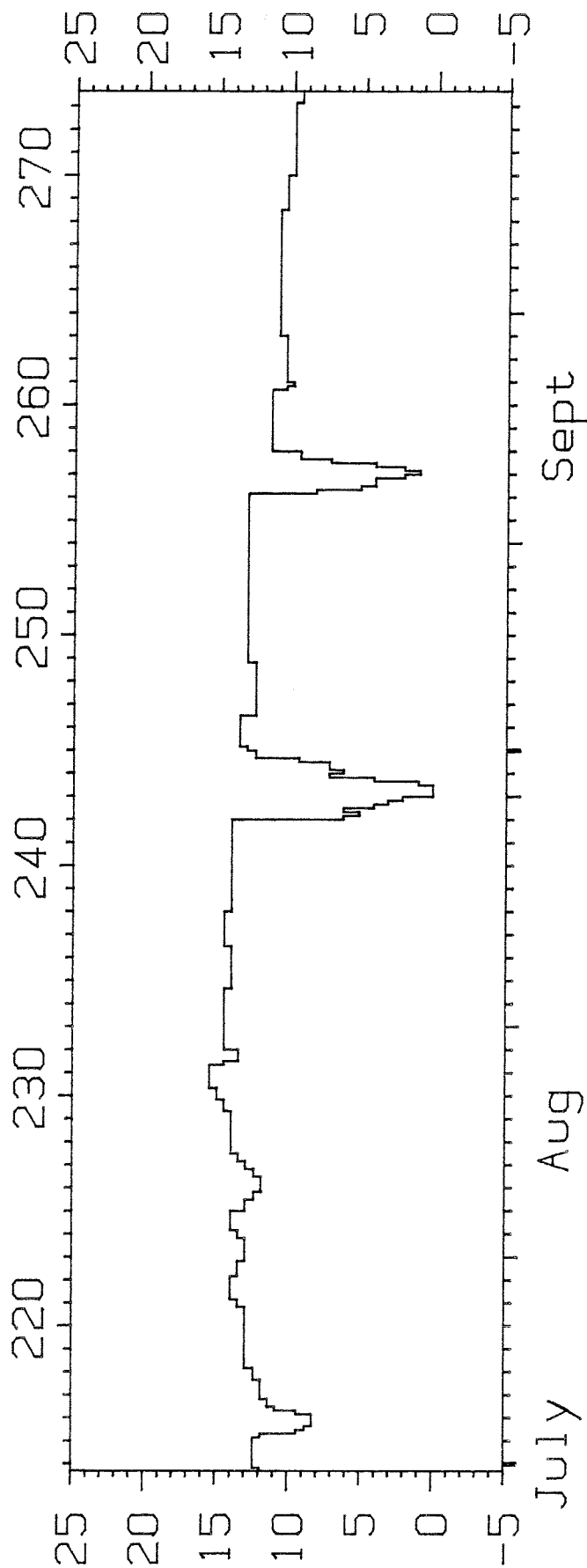
WESTPORT NFLD

(Page 2)

Pos. : 49.77, 56.63

Depth : 10 meters

July 31, 1984 16:00 GMT to Sept 29, 1984 16:00 GMT

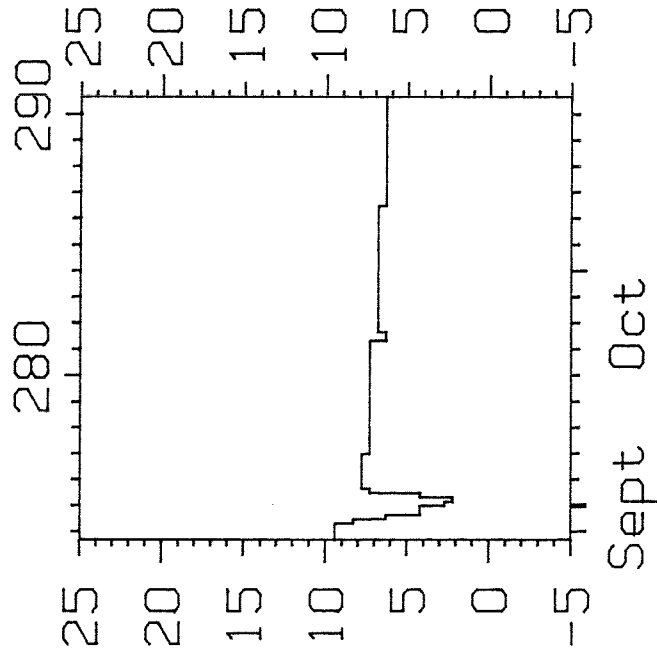


Instrument : 61670

WESTPORT NFLD

(Page 3)

Pos. : 49.77, 56.63 Depth : 10 meters
Sept 29, 1984 16:00 GMT to Oct 16, 1984 16:00 GMT



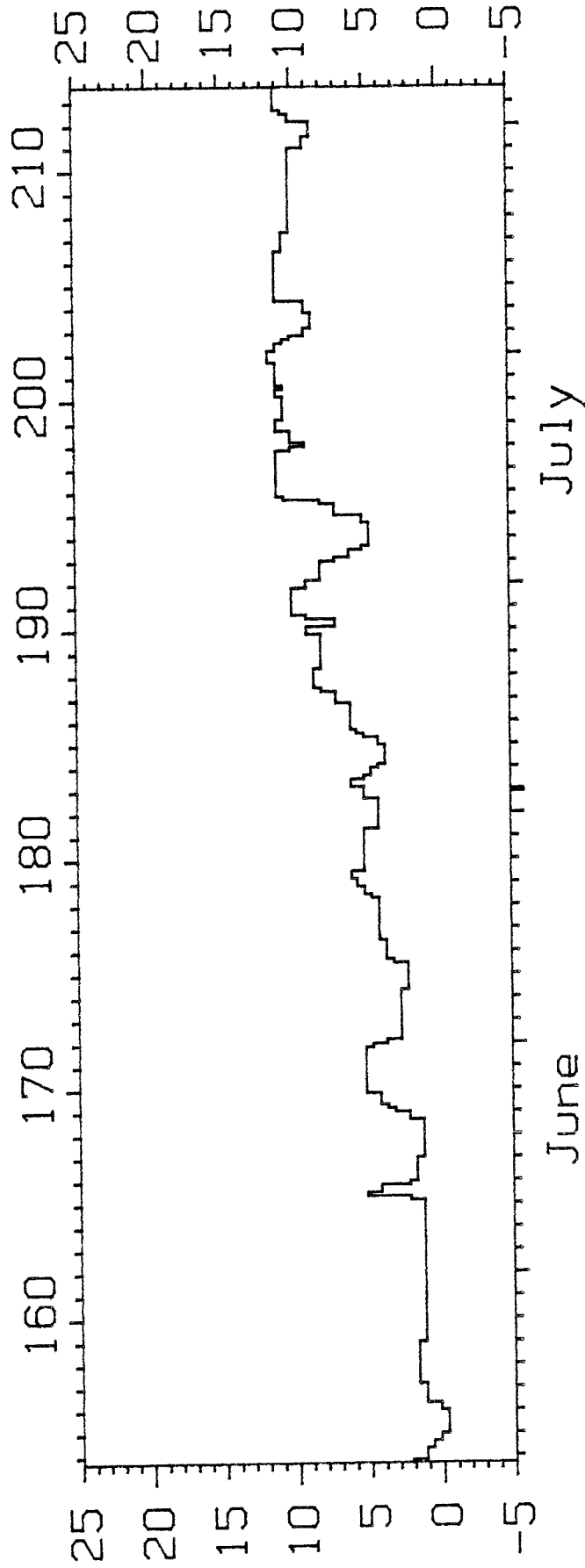
Instrument : 61670

(Page 1)

WESTPORT NFLD

Pos. : 49.77, 56.63 Depth : 1 meter

June 1, 1984 16:00 GMT to July 31, 1984 16:00 GMT

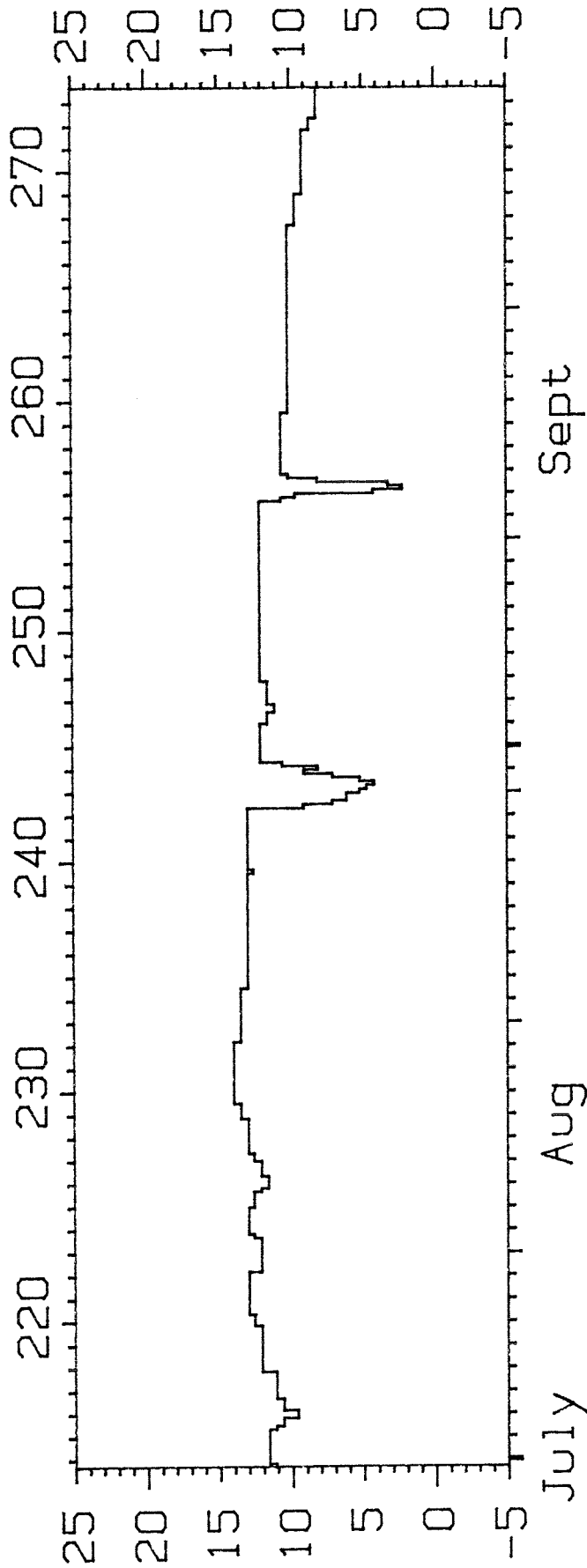


Instrument : 62865

(Page 2)

WESTPORT NFLD

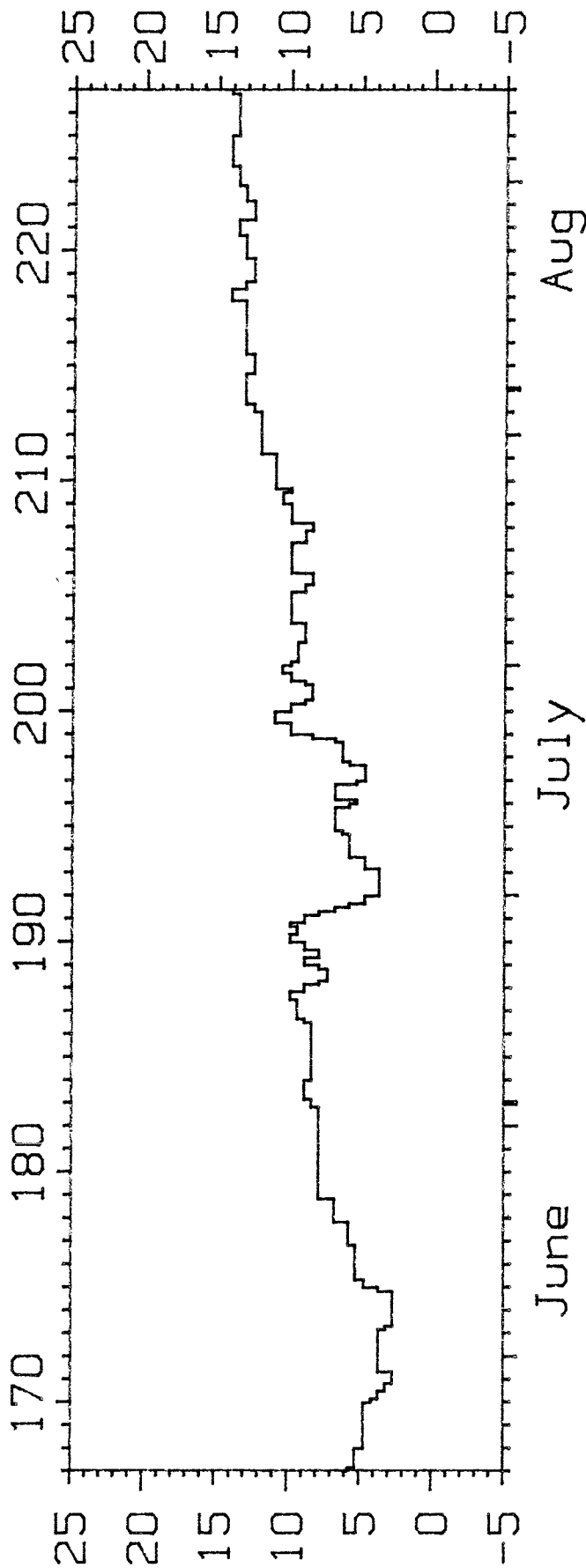
Pos. : 49.77, 56.63 Depth : 1 meter
July 31, 1984 16:00 GMT to Sept 29, 1984 16:00 GMT



Instrument : 62865

HARRYS HARBOUR NFLD (Page 1)

Pos. : 49.7, 55.93 Depth : 1 meters
June 14, 1984 24:00 GMT to Aug 14, 1984 00:00 GMT



Instrument : 62488

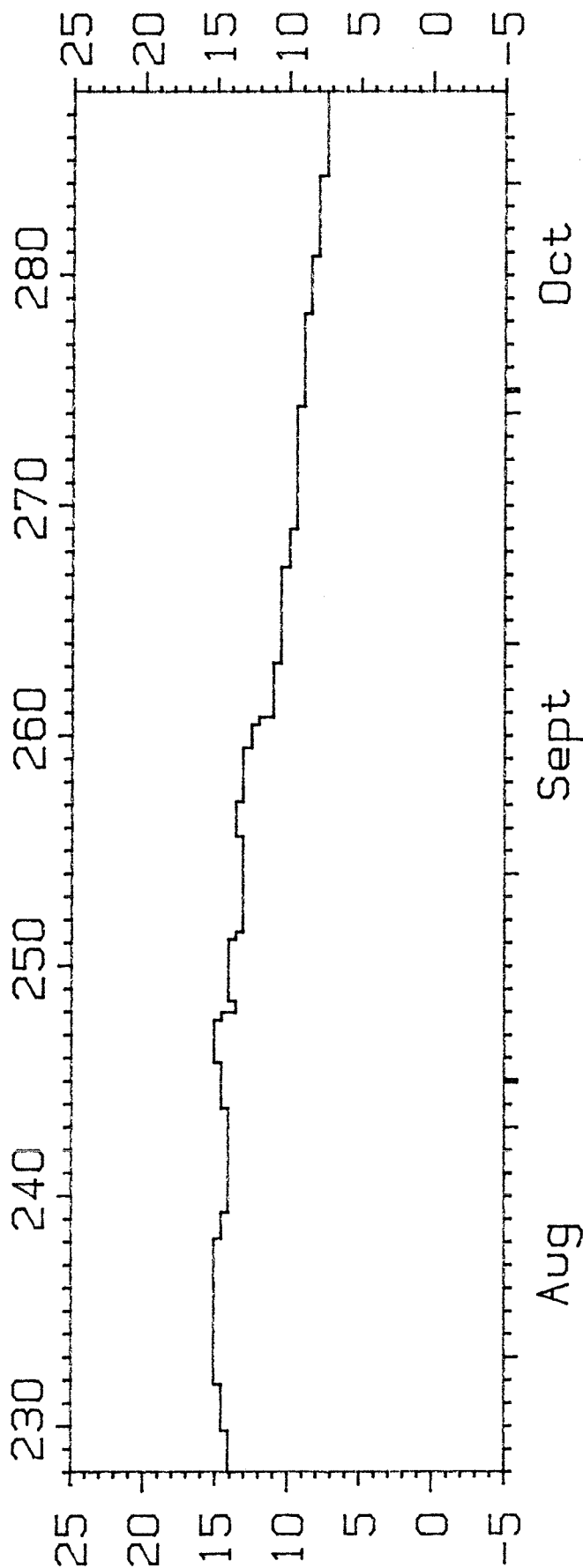
(Page 2)

HARRYS HARBOUR NFLD

Pos. : 49.7, 55.93

Depth : 1 meters

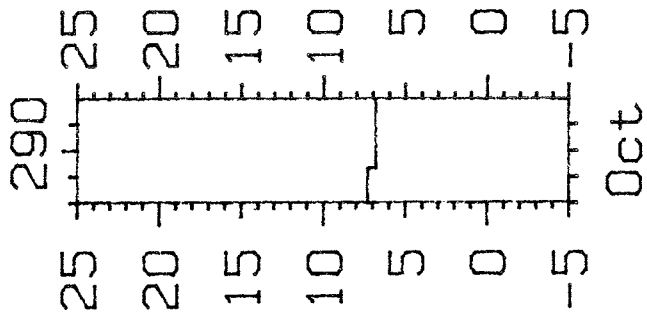
Aug 14, 1984 00:00 GMT to Oct 13, 1984 00:00 GMT



Instrument : 62488

HARRYS HARBOUR NFLD (Page 3)

Pos. : 49.7, 55.93 Depth : 1 meters
Oct 13, 1984 00:00 GMT to Oct 17, 1984 00:00 GMT

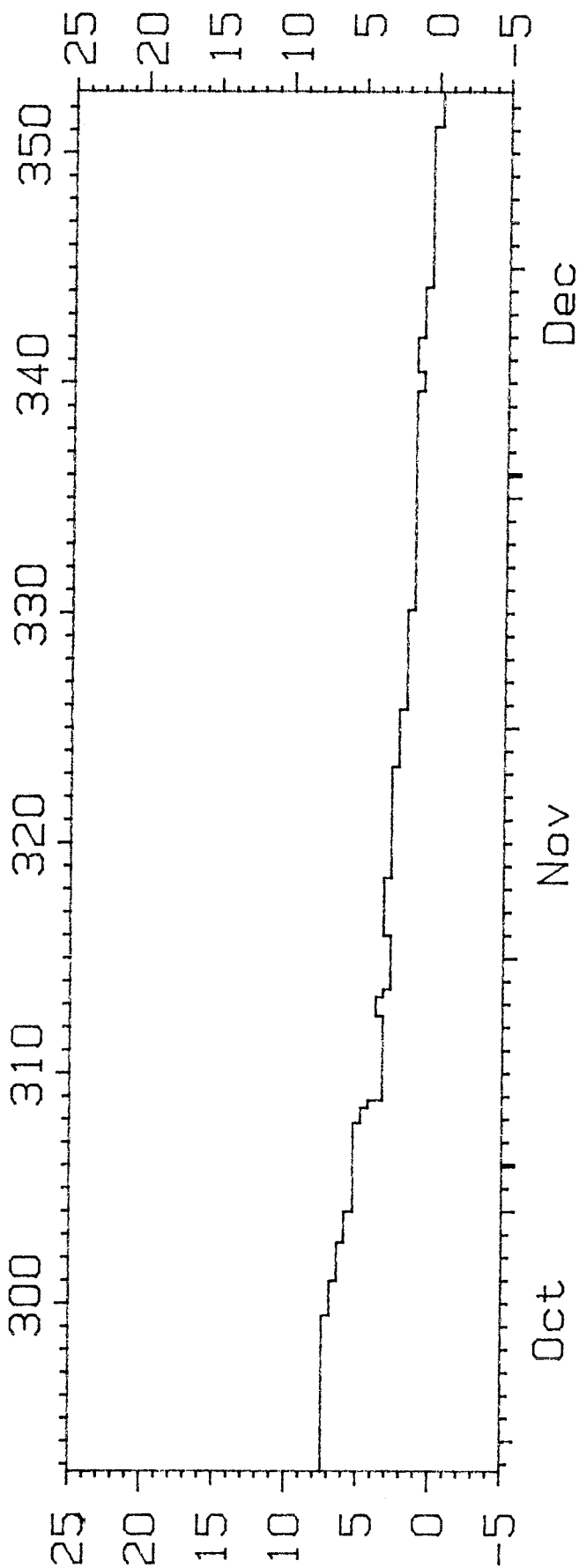


Instrument : 62488

HARRYS HARBOUR NFLD (Page 1)

Pos. : 49.7, 55.93 Depth : 1 meter

Oct 18, 1984 16:00 GMT to Dec 17, 1984 16:00 GMT

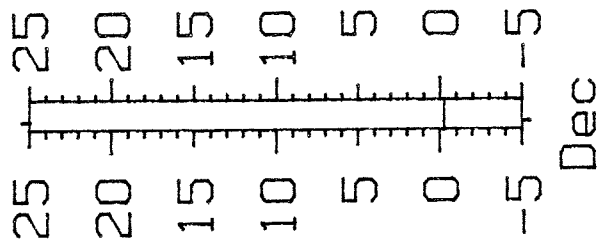


Instrument : 63309

(Page 2)

HARRYS HARBOUR NFLD

Pos. : 49.7, 55.93 Depth : 1 meter
Dec 17, 1984 16:00 GMT to Dec 18, 1984 20:00 GMT

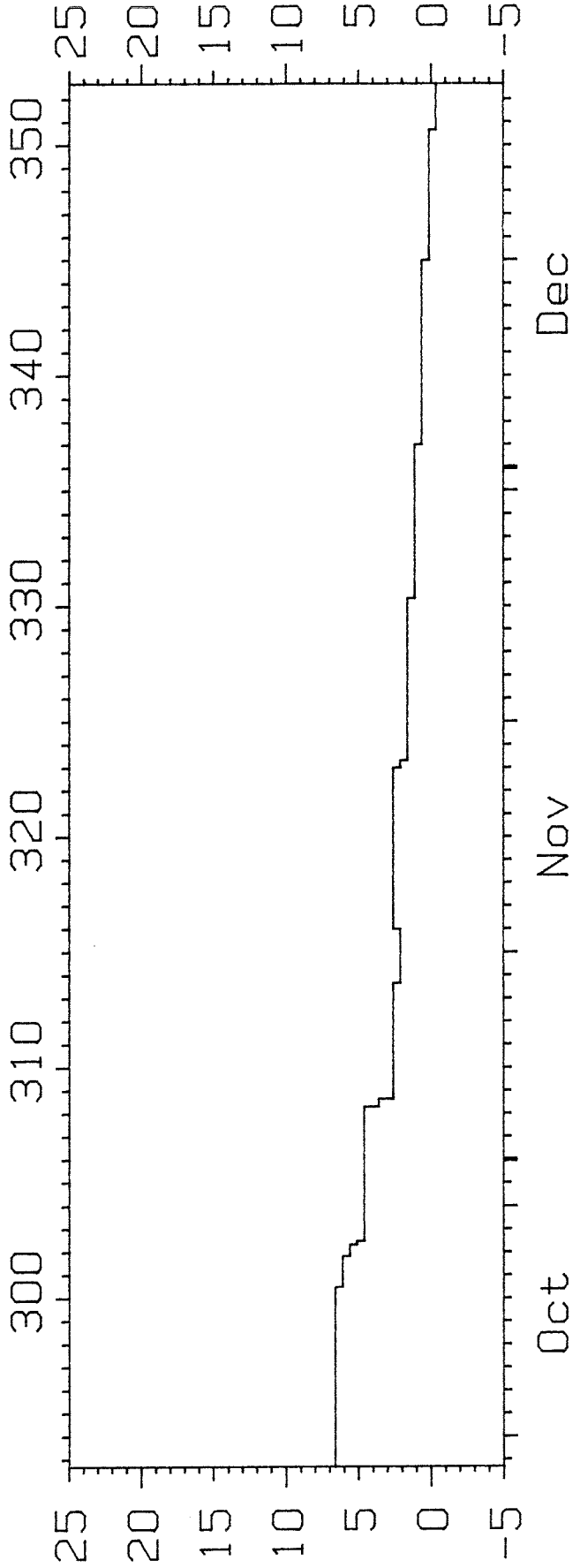


Instrument : 63309

(Page 1)

HARRY'S HARBOUR NFLD

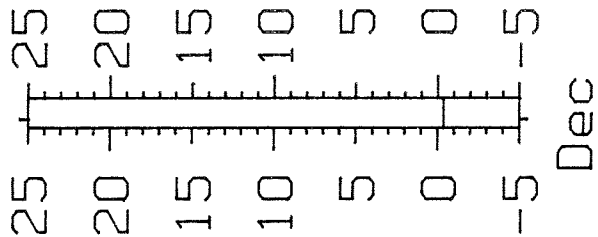
Pos. : 49.7, 55.93 Depth : 1 meters
Oct 18, 1984 16:00 GMT to Dec 17, 1984 16:00 GMT



Instrument : 63373

HARRY'S HARBOUR NFLD (Page 2)

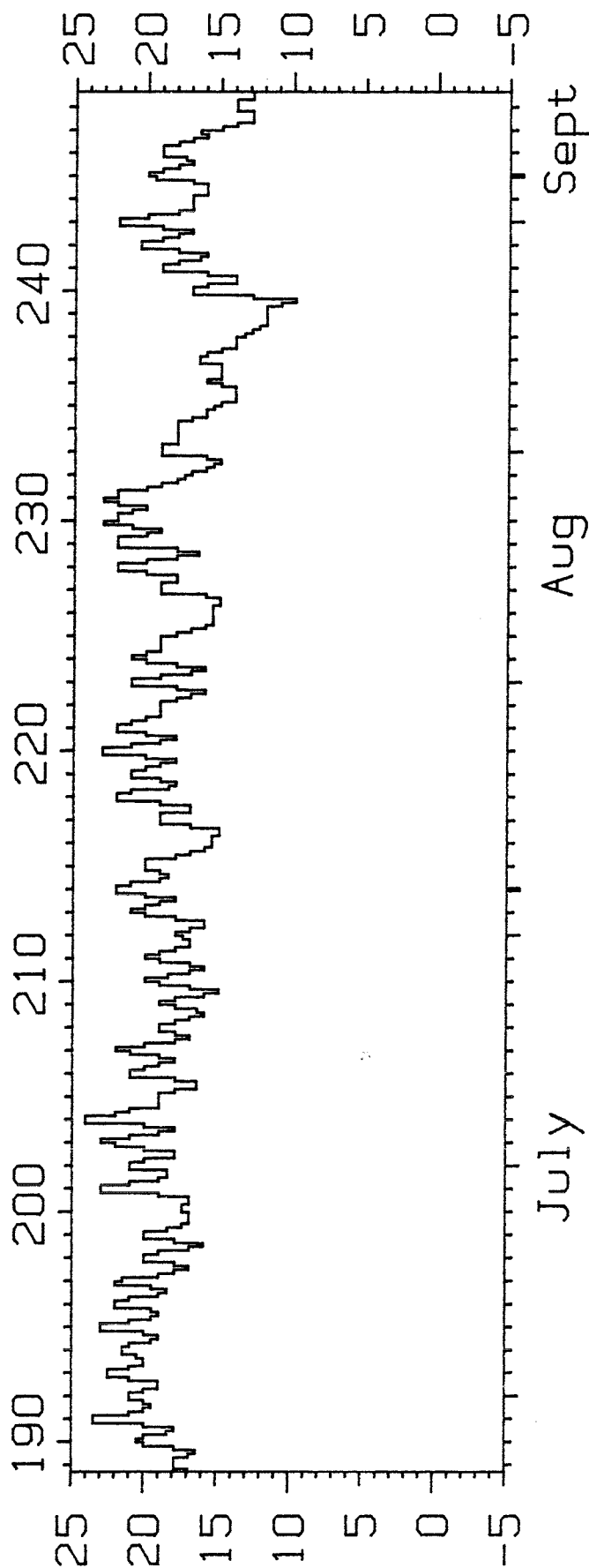
Pos. : 49.7, 55.93 Depth : 1 meters
Dec 17, 1984 16:00 GMT to Dec 18, 1984 20:00 GMT



Instrument : 63373

INDIAN RIVER SPRINGDALE NFLD (Page 1)

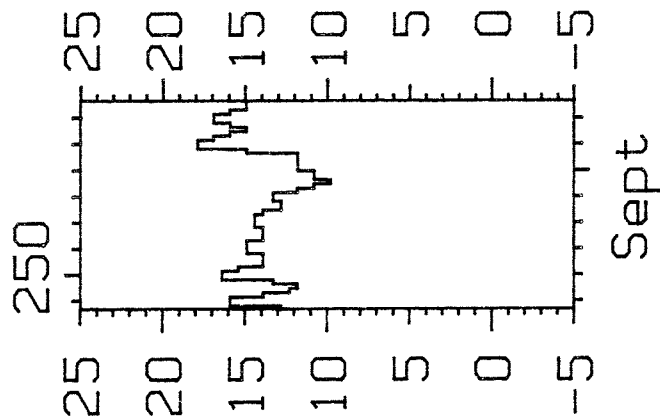
Pos. : 49.51, 56.11 Depth : 1 meters
July 6, 1984 16:00 GMT to Sept 4, 1984 16:00 GMT



Instrument : 61616

INDIAN RIVER SPRINGDALE NFLD (Page 2)

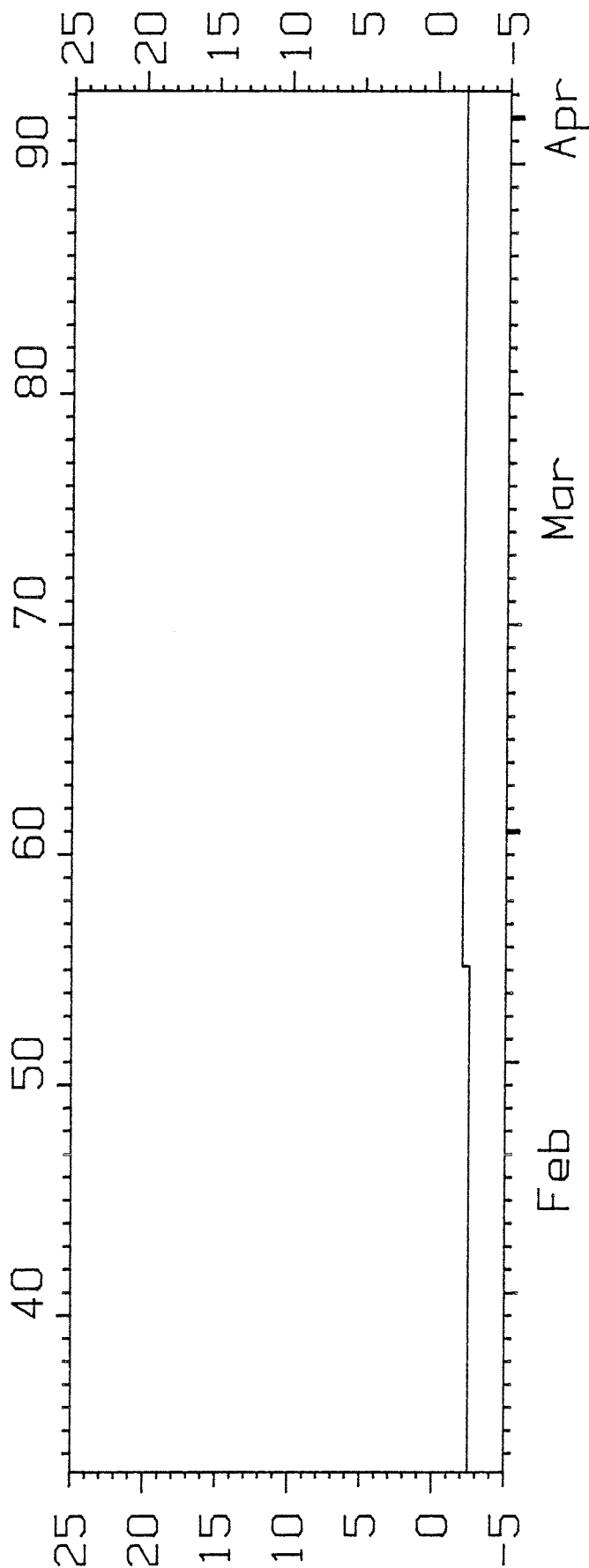
Pos. : 49.51, 56.11 Depth : 1 meters
Sept 4, 1984 16:00 GMT to Sept 12, 1984 16:00 GMT



Instrument : 61616

COMFORT COVE NFLD (Page 2)

Pos. : 49.41, 54.83 Depth : 9 meters
Feb 2, 1984 04:00 GMT to Apr 2, 1984 04:00 GMT

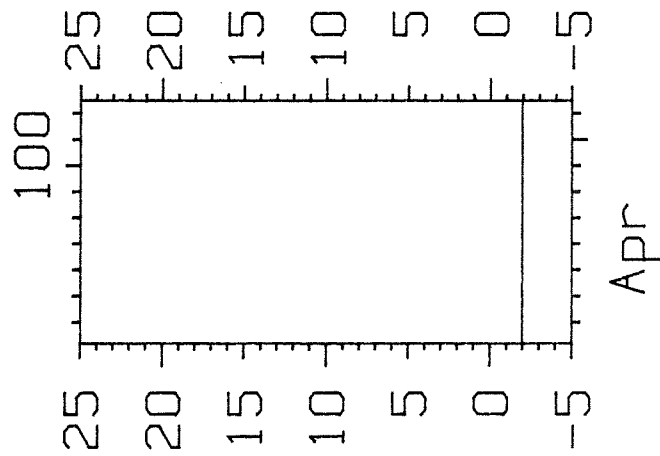


Instrument : 61682

(Page 3)

COMFORT COVE NFLD

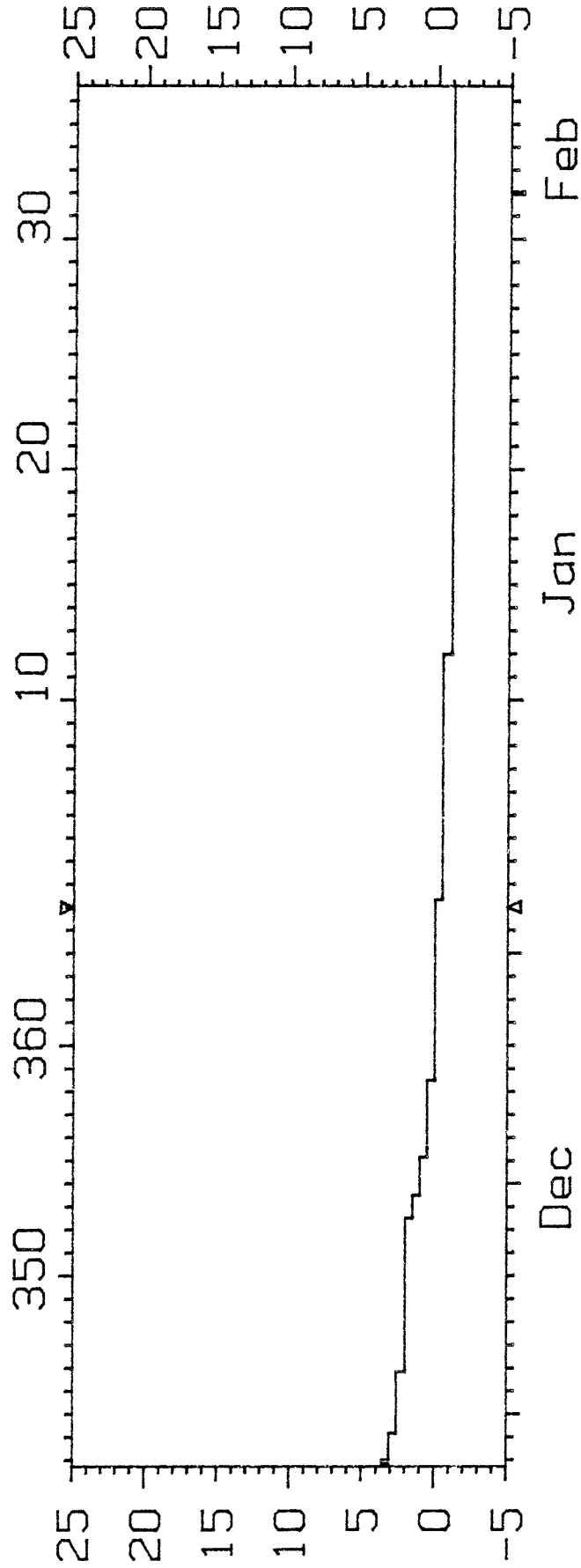
Pos. : 49.41, 54.83 Depth : 9 meters
Apr 2, 1984 04:00 GMT to Apr 11, 1984 12:00 GMT



Instrument : 61682

COMFORT COVE NFLD (Page 1)

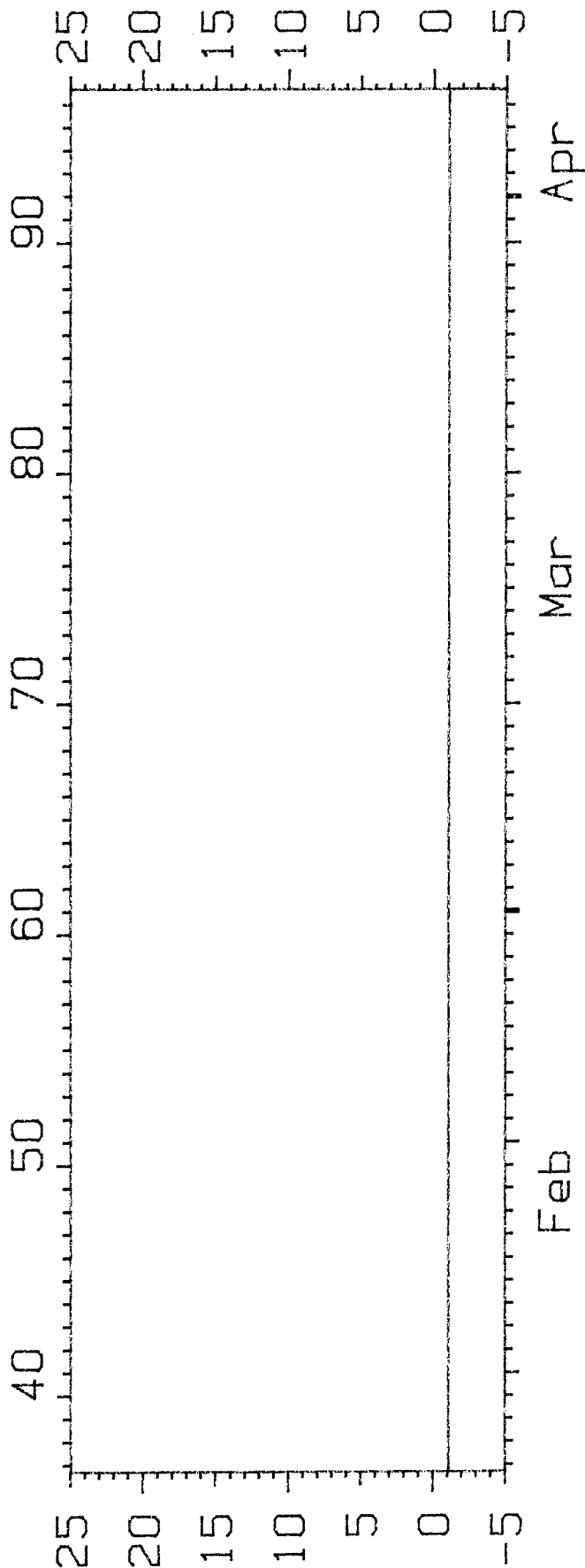
Pos. : 49.41, 54.83 Depth : 9 meters
Dec 7, 1983 16:00 GMT to Feb 5, 1984 16:00 GMT



Instrument : 61688

COMFORT COVE NFLD (Page 2)

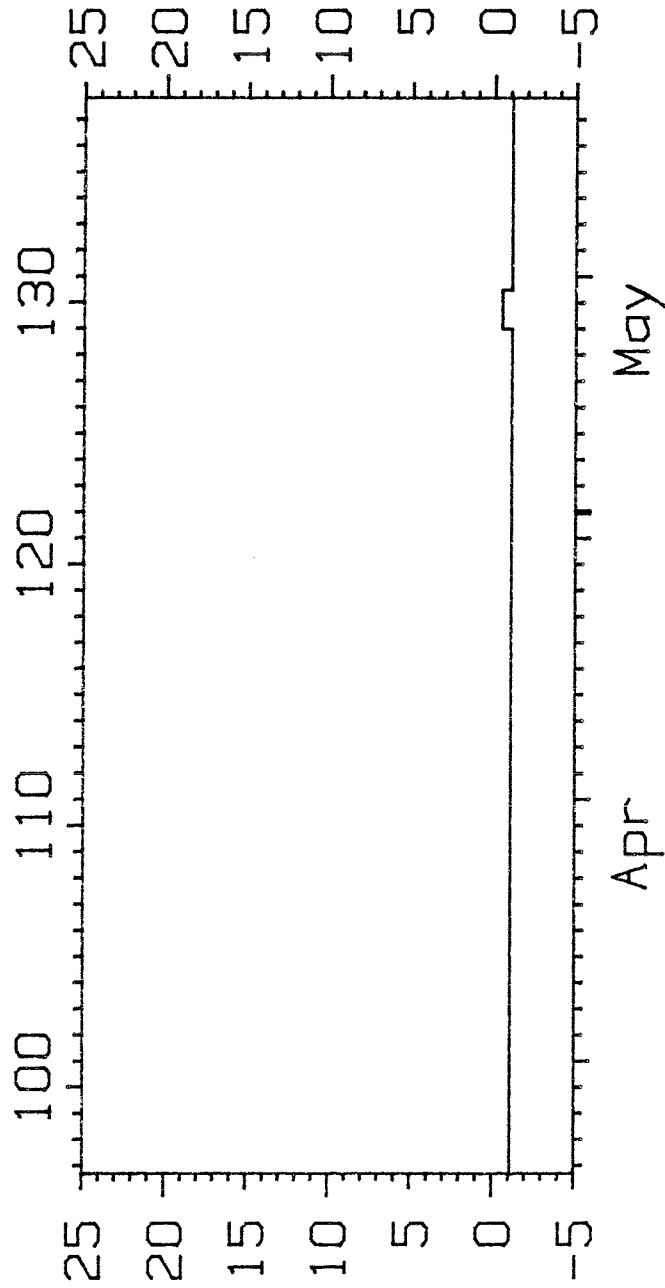
Pos. : 49.41, 54.83 Depth : 9 meters
Feb 5, 1984 16:00 GMT to Apr 5, 1984 16:00 GMT



Instrument : 61688

COMFORT COVE NFLD (Page 3)

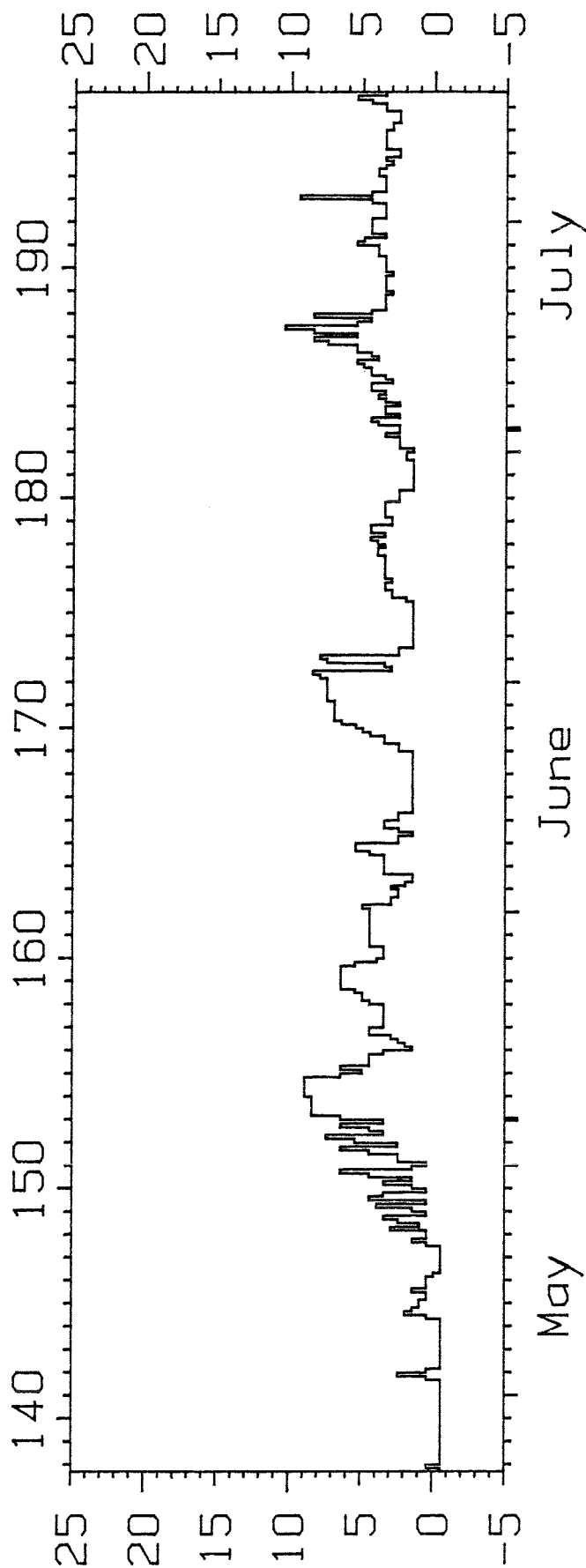
Pos. : 49.41, 54.83 Depth : 9 meters
Apr 5, 1984 16:00 GMT to May 16, 1984 20:00 GMT



Instrument : 61688

COMFORT COVE NFLD (Page 1)

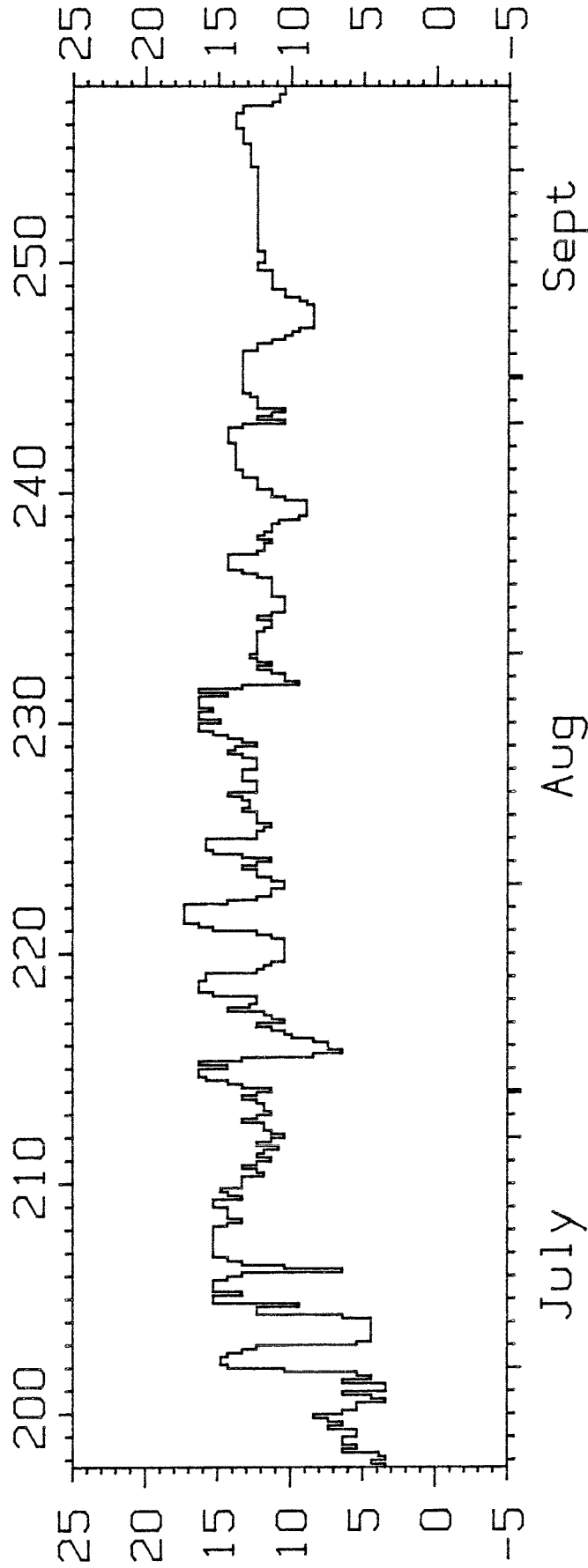
Pos. : 49.41, 54.83 Depth : 9 meters
May 16, 1984 16:00 GMT to July 15, 1984 16:00 GMT



Instrument : 62917

COMFORT COVE NFLD (Page 2)

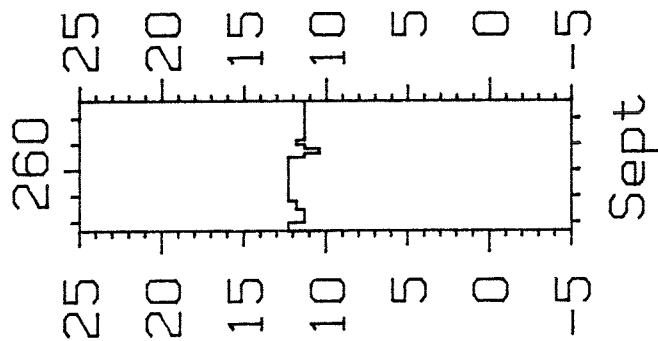
Pos. : 49.41, 54.83 Depth : 9 meters
July 15, 1984 16:00 GMT to Sept 13, 1984 16:00 GMT



Instrument : 62917

COMFORT COVE NFLD (Page 3)

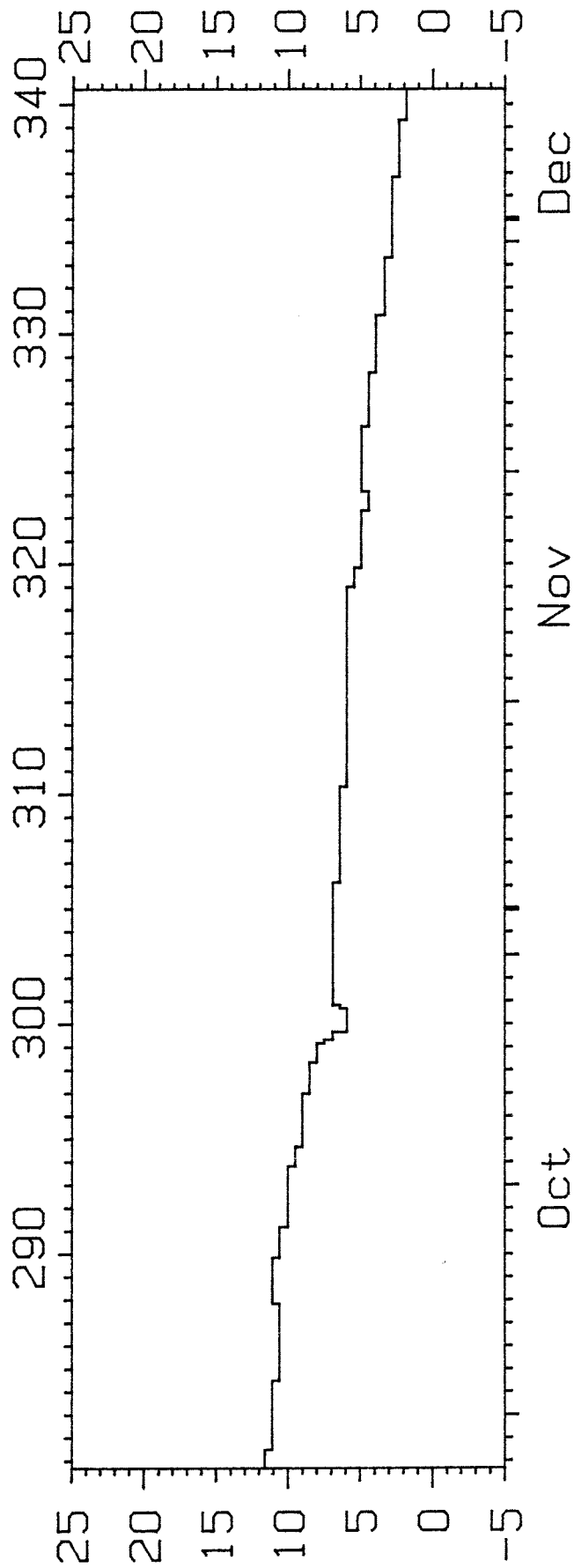
Pos. : 49.41, 54.83 Depth : 9 meters
Sept 13, 1984 16:00 GMT to Sept 18, 1984 16:00 GMT



Instrument : 62917

HILLGRADE NFLD (Page 1)

Pos. : 49.57, 54.7 Depth : 1 meters
Oct 7, 1983 16:00 GMT to Dec 6, 1983 16:00 GMT

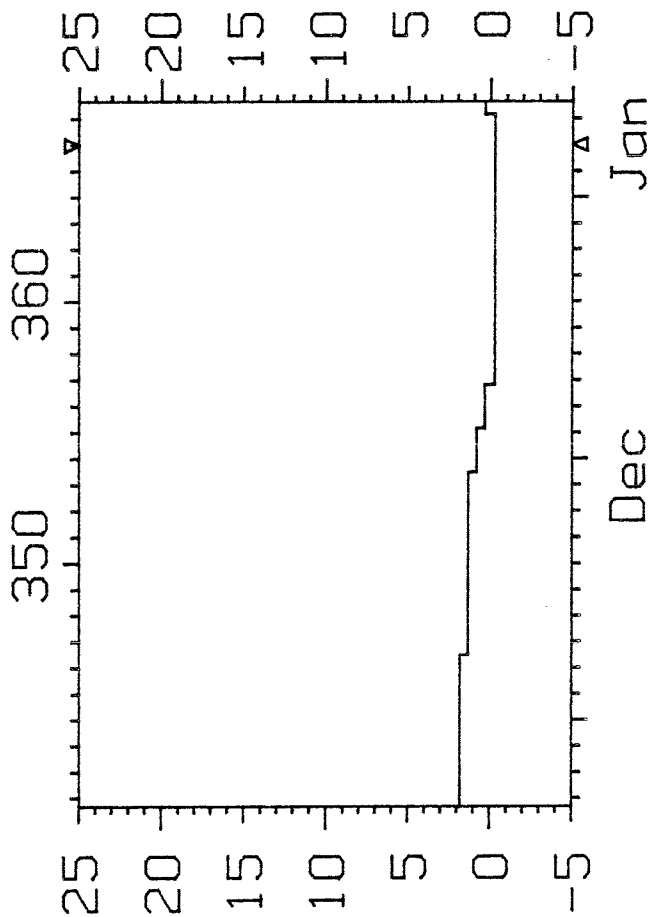


Instrument : 62904

(Page 2)

HILLGRADE NFLD

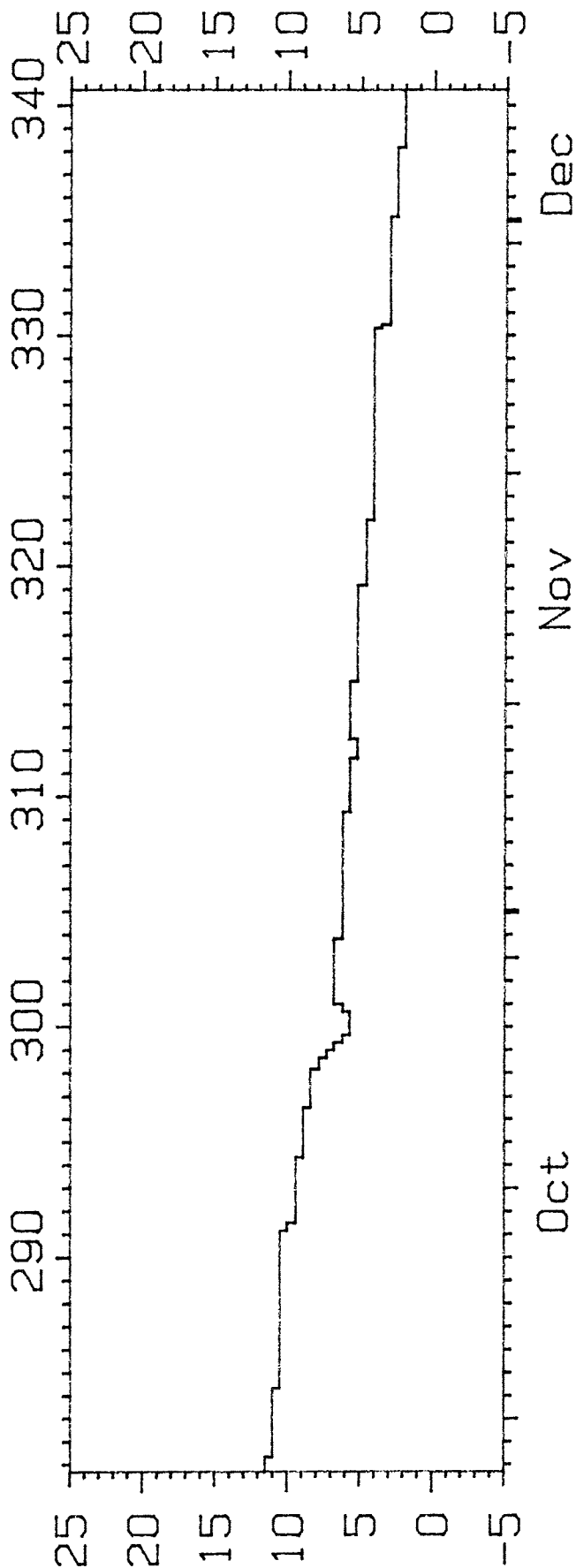
Pos. : 49.57, 54.7 Depth : 1 meters
Dec 6, 1983 16:00 GMT to Jan 2, 1984 16:00 GMT



Instrument : 62904

HILLGRADE NFLD (Page 1)

Pos. : 49.57, 54.7 Depth : 10 meters
Oct 7, 1983 16:00 GMT to Dec 6, 1983 16:00 GMT



Instrument : 62479

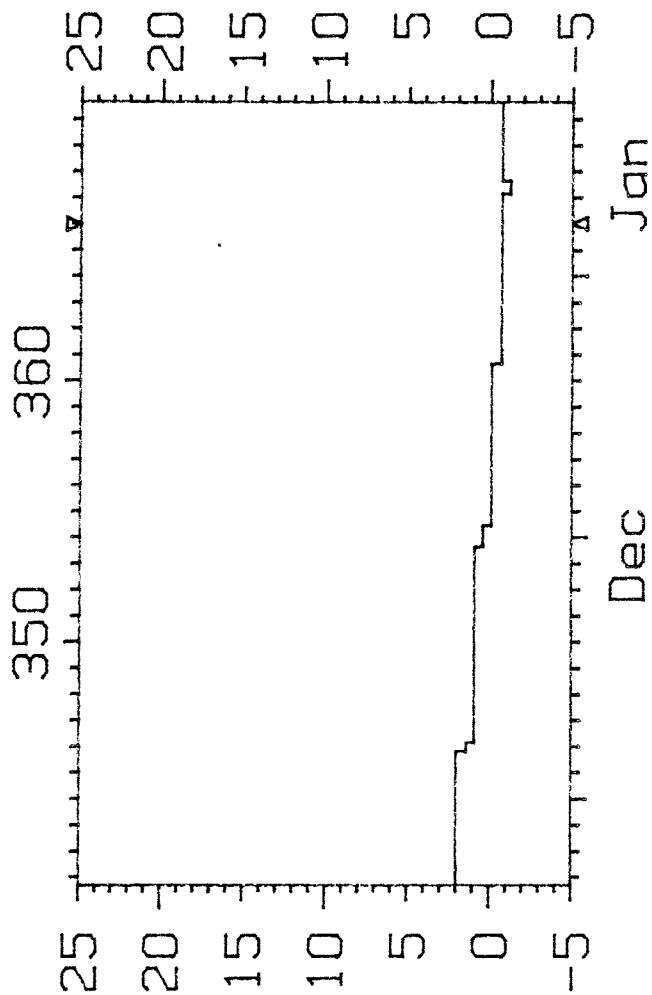
(Page 2)

HILLGRADE NFLD

Pos. : 49.57, 54.7

Depth : 10 meters

Dec 6, 1983 16:00 GMT to Jan 5, 1984 16:00 GMT



Instrument : 62479

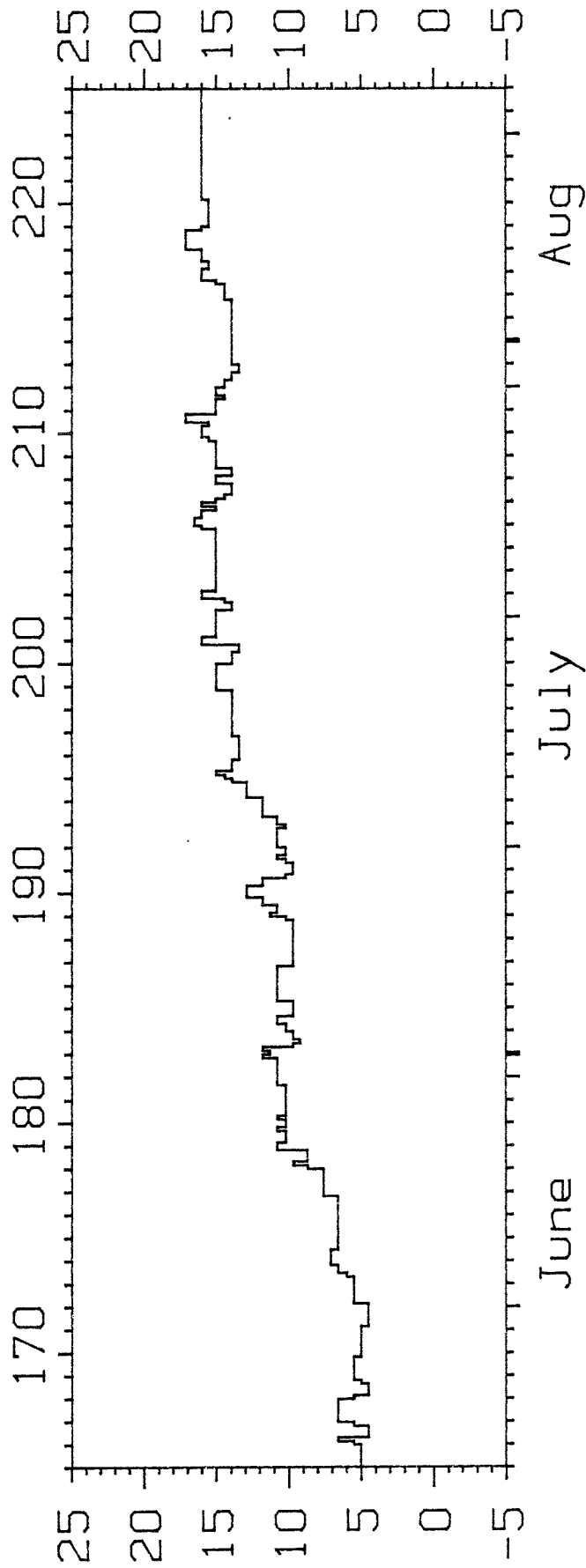
(Page 1)

HERRING NECK NFLD

Pos. : 49.63, 54.58

Depth : 1 meters

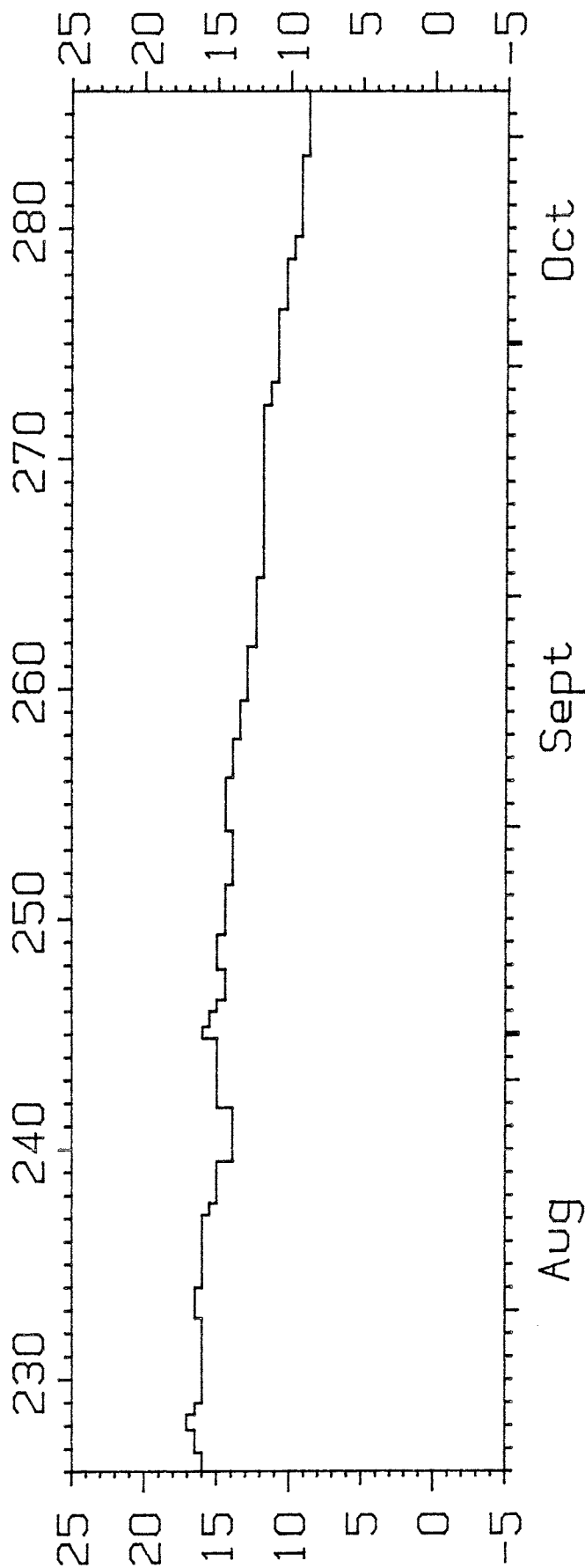
June 12, 1984 24:00 GMT to Aug 12, 1984 00:00 GMT



Instrument : 62473

HERRING NECK NFLD (Page 2)

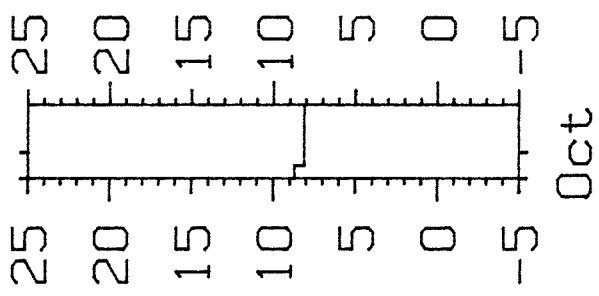
Pos. : 49.63, 54.58 Depth : 1 meters
Aug 12, 1984 00:00 GMT to Oct 11, 1984 00:00 GMT



Instrument : 62473

HERRING NECK NFLD (Page 3)

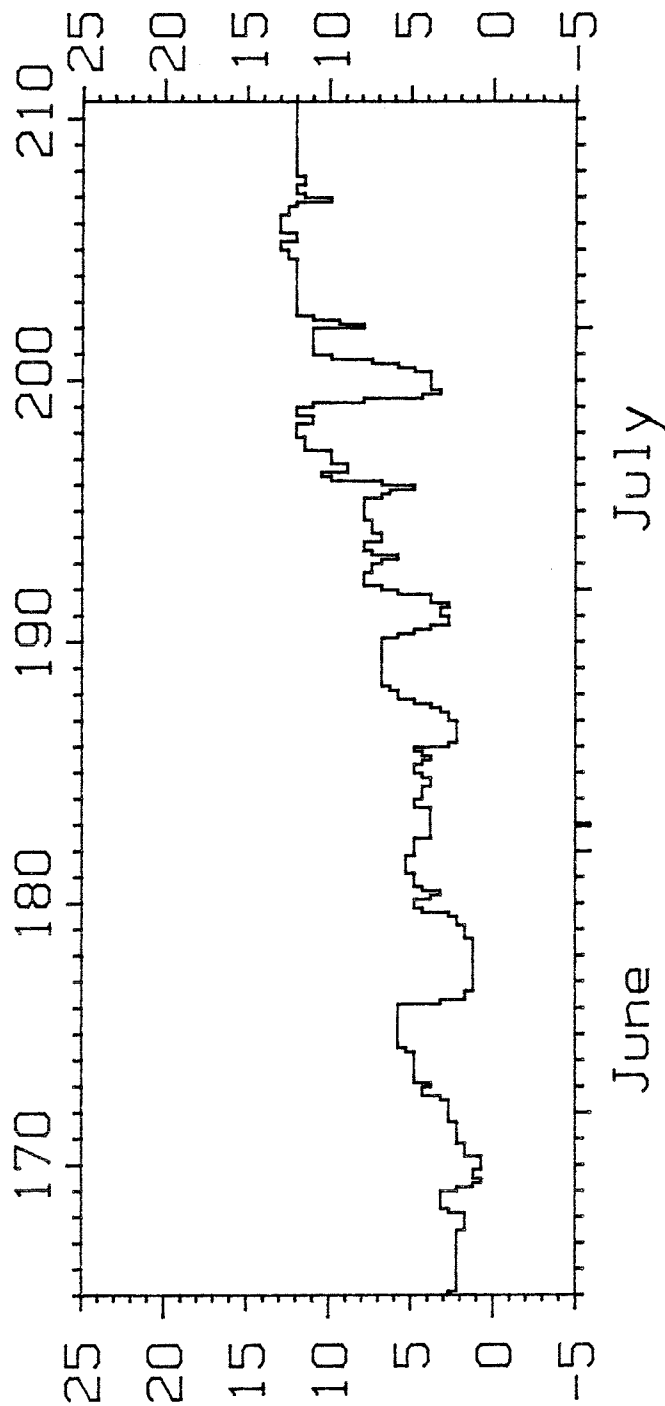
Pos. : 49.63, 54.58 Depth : 1 meters
Oct 11, 1984 00:00 GMT to Oct 13, 1984 20:00 GMT



Instrument : 62473

HERRING NECK NFLD

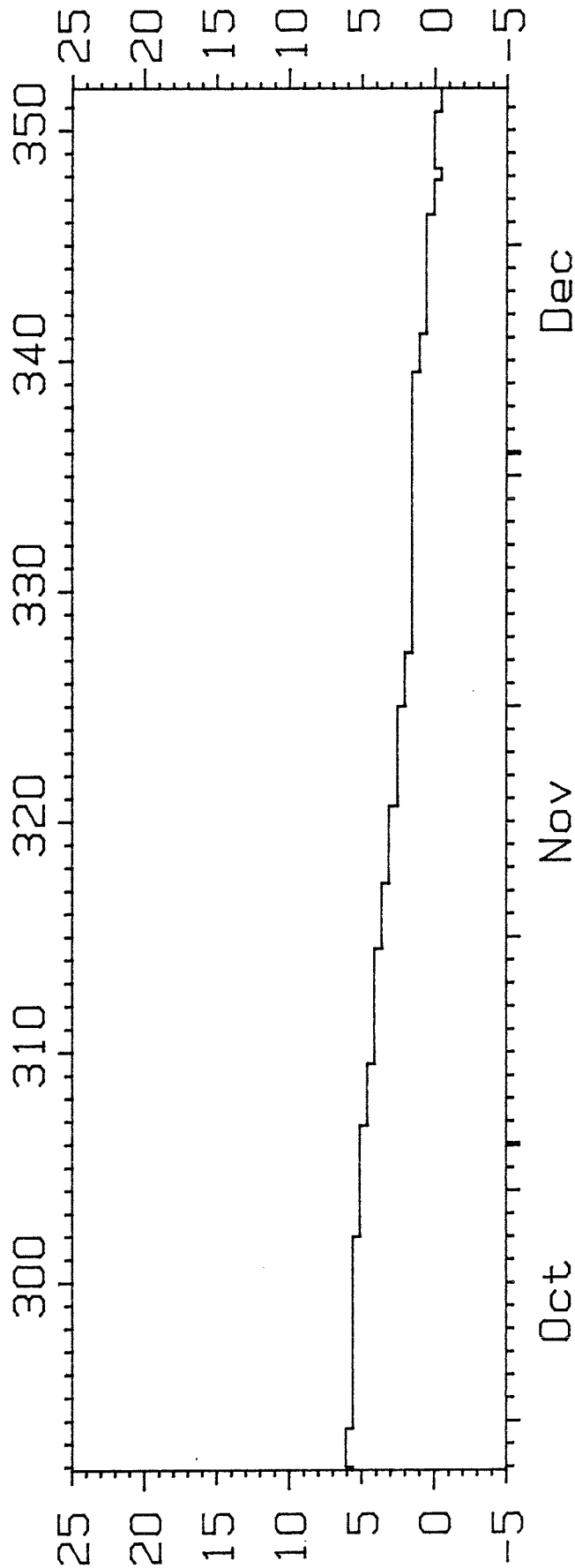
Pos. : 49.63, 54.58 Depth : 10 meters
June 12, 1984 24:00 GMT to July 28, 1984 16:00 GMT



Instrument : 62499

HERRING NECK NFLD (Page 1)

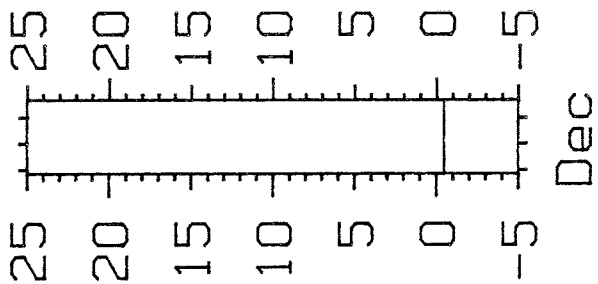
Pos. : 49.63, 54.58 Depth : 1 meters
Oct 17, 1984 20:00 GMT to Dec 16, 1984 20:00 GMT



Instrument : 63360

HERRING NECK NFLD (Page 2)

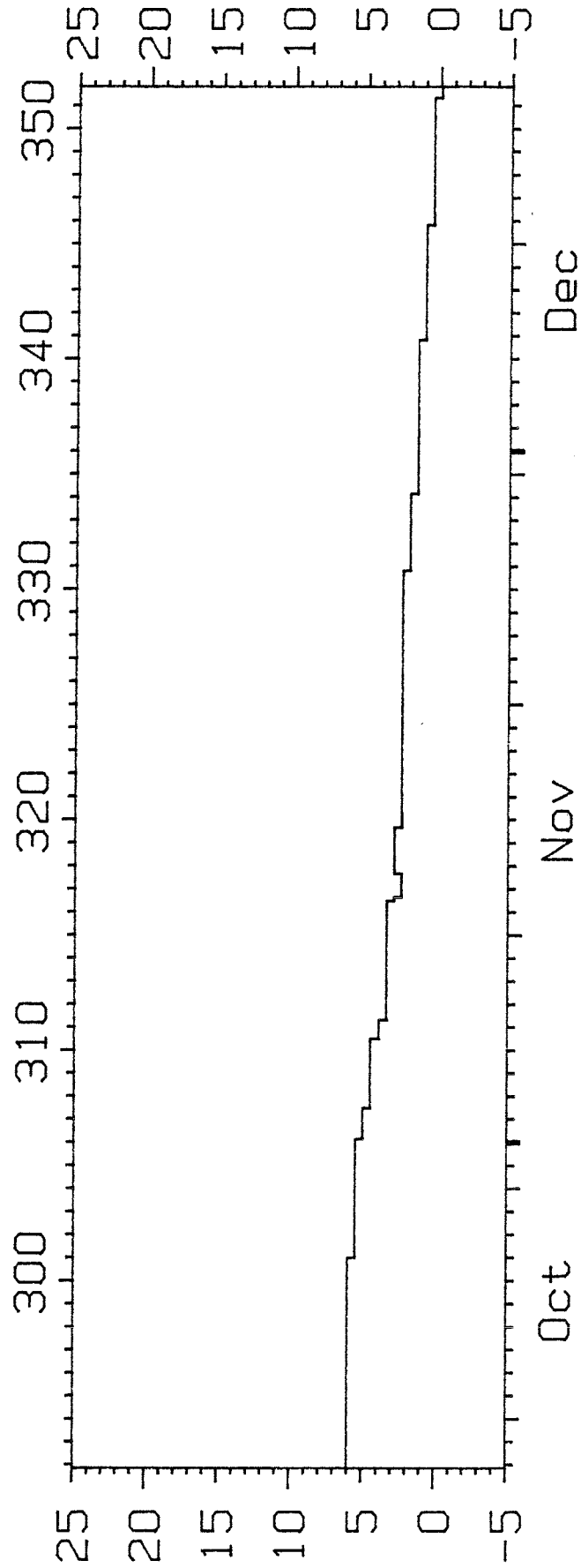
Pos. : 49.63, 54.58 Depth : 1 meters
Dec 16, 1984 20:00 GMT to Dec 19, 1984 16:00 GMT



Instrument : 63360

HERRING NECK NFLD (Page 1)

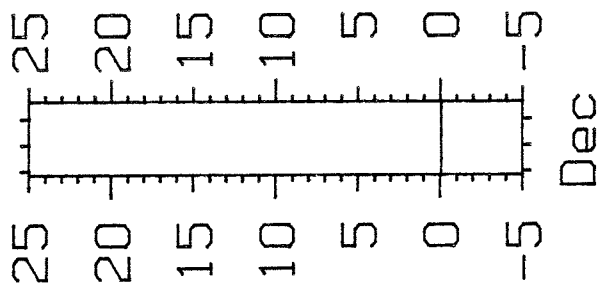
Pos. : 49.63, 54.58 Depth : 10 meters
Oct 17, 1984 20:00 GMT to Dec 16, 1984 20:00 GMT



Instrument : 63311

HERRING NECK NFLD (Page 2)

Pos. : 49.63, 54.58 Depth : 10 meters
Dec 16, 1984 20:00 GMT to Dec 19, 1984 16:00 GMT

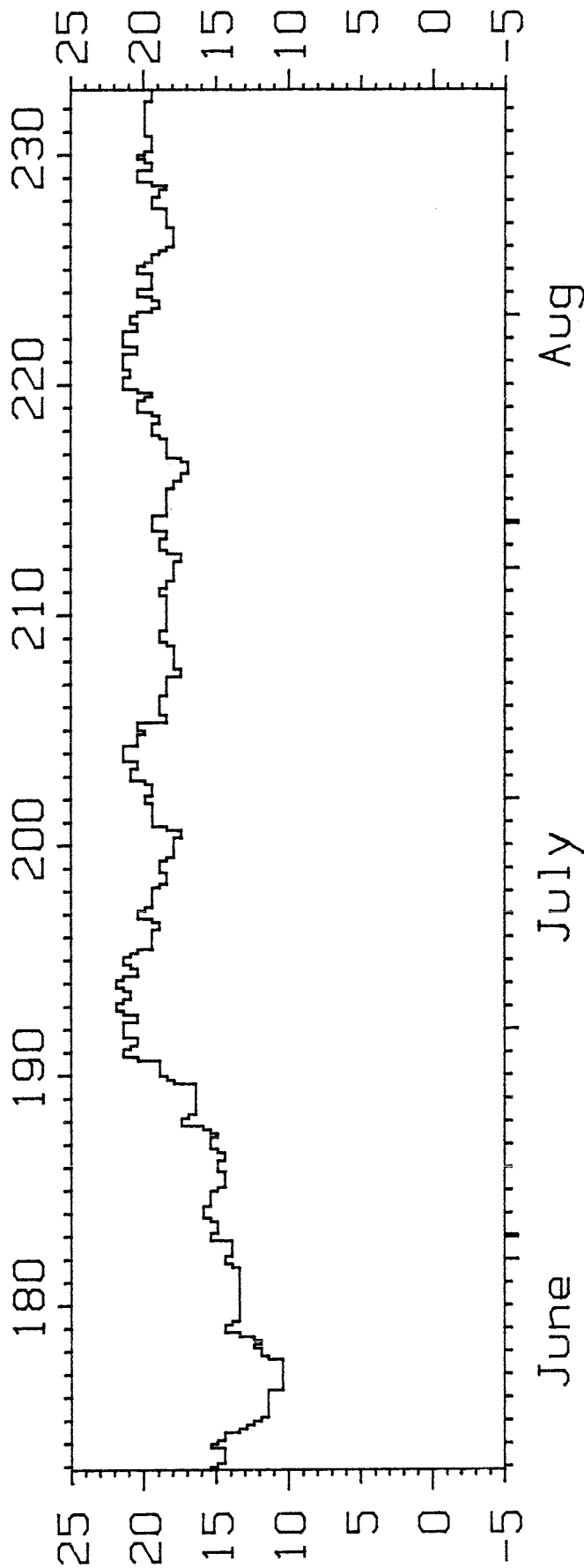


Instrument : 63311

UPPER TERRA NOVA RIVER NFLD (Page 1)

Pos. : 48.55, 54.18 Depth : 1 meters

June 20, 1984 20:00 GMT to Aug 19, 1984 20:00 GMT

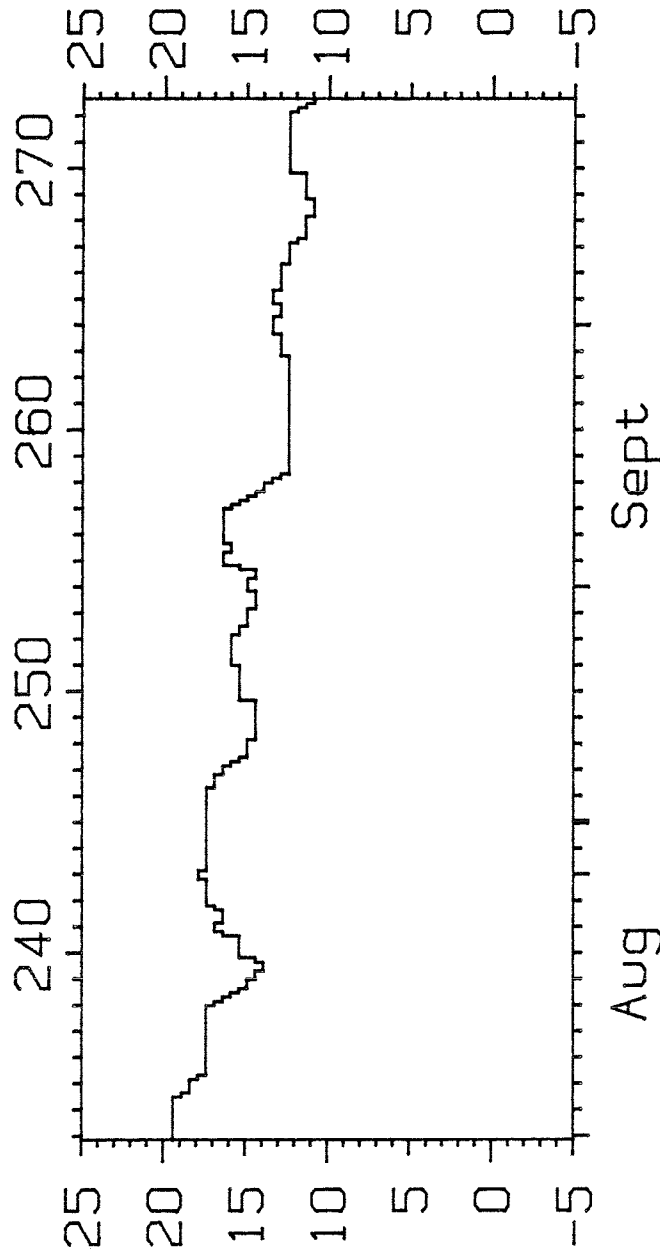


Instrument : 60914

UPPER TERRA NOVA RIVER NFLD (Page 2)

Pos. : 48.55, 54.18 Depth : 1 meters

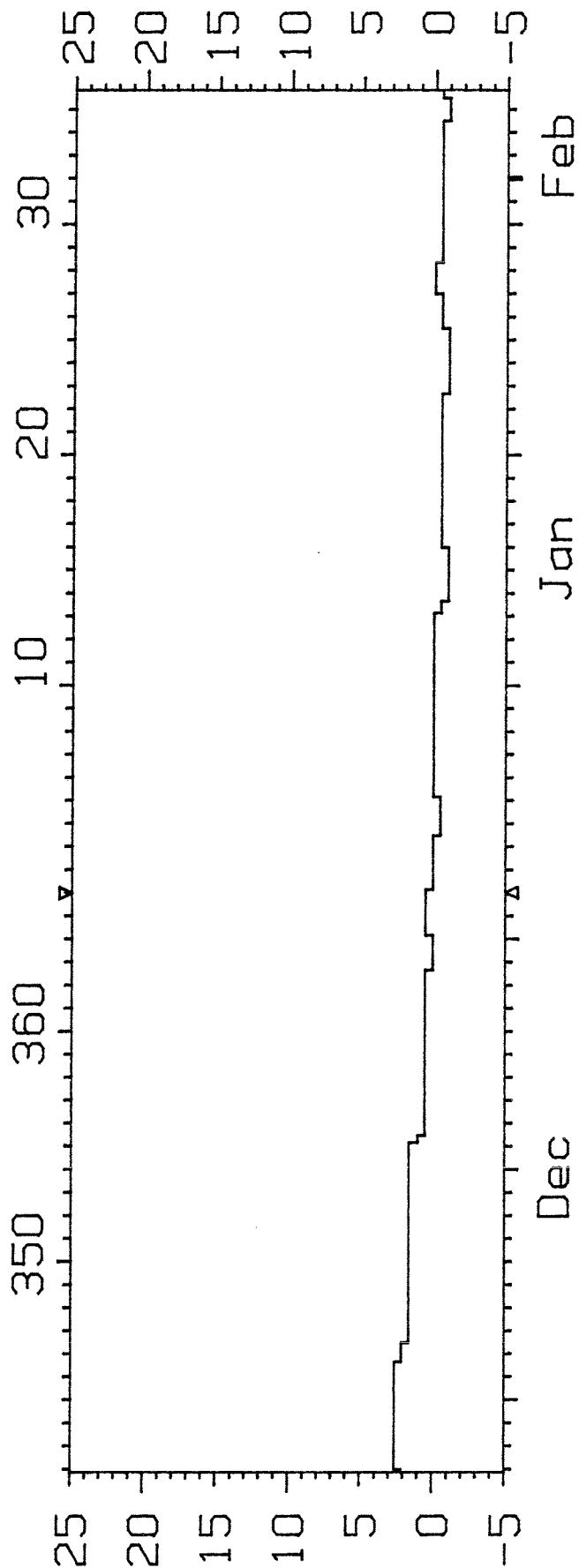
Aug 19, 1984 20:00 GMT to Sept 28, 1984 16:00 GMT



Instrument : 60914

STOCK COVE NFLD (Page 1)

Pos. : 48.71, 53.76 Depth : 9 meters
Dec 6, 1983 20:00 GMT to Feb 4, 1984 20:00 GMT

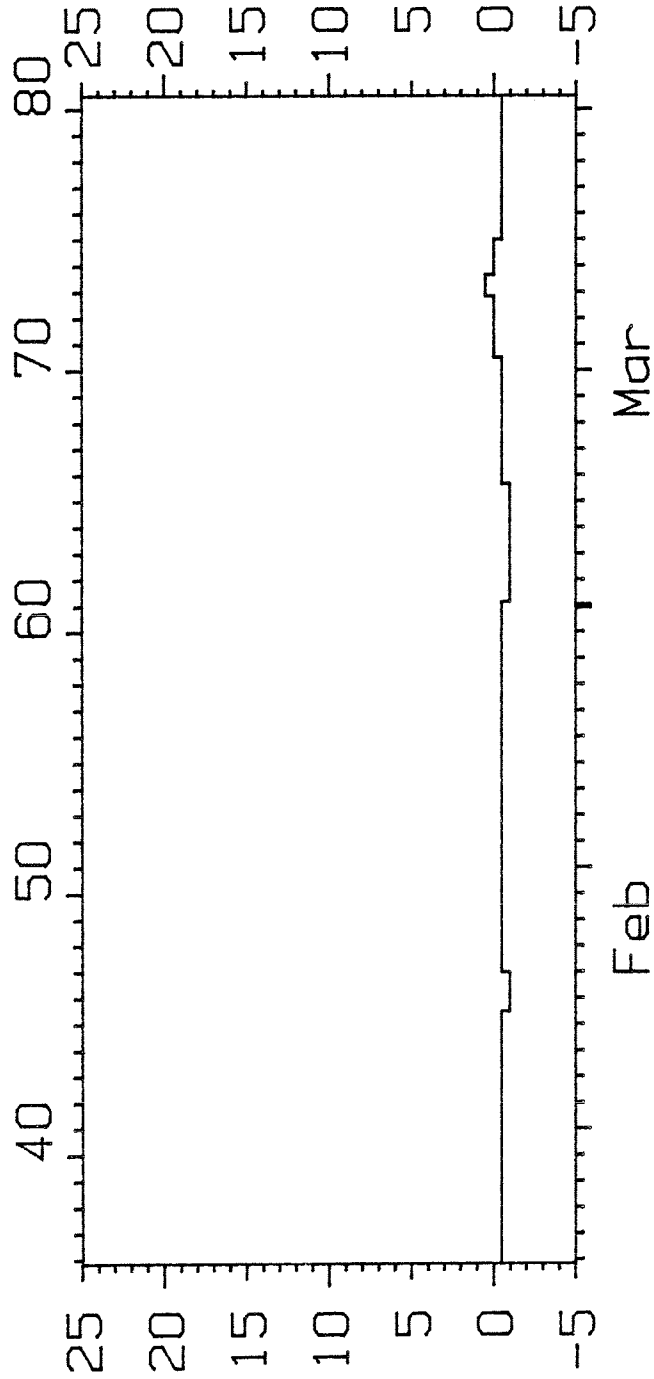


Instrument : 62452

(Page 2)

STOCK COVE NFLD

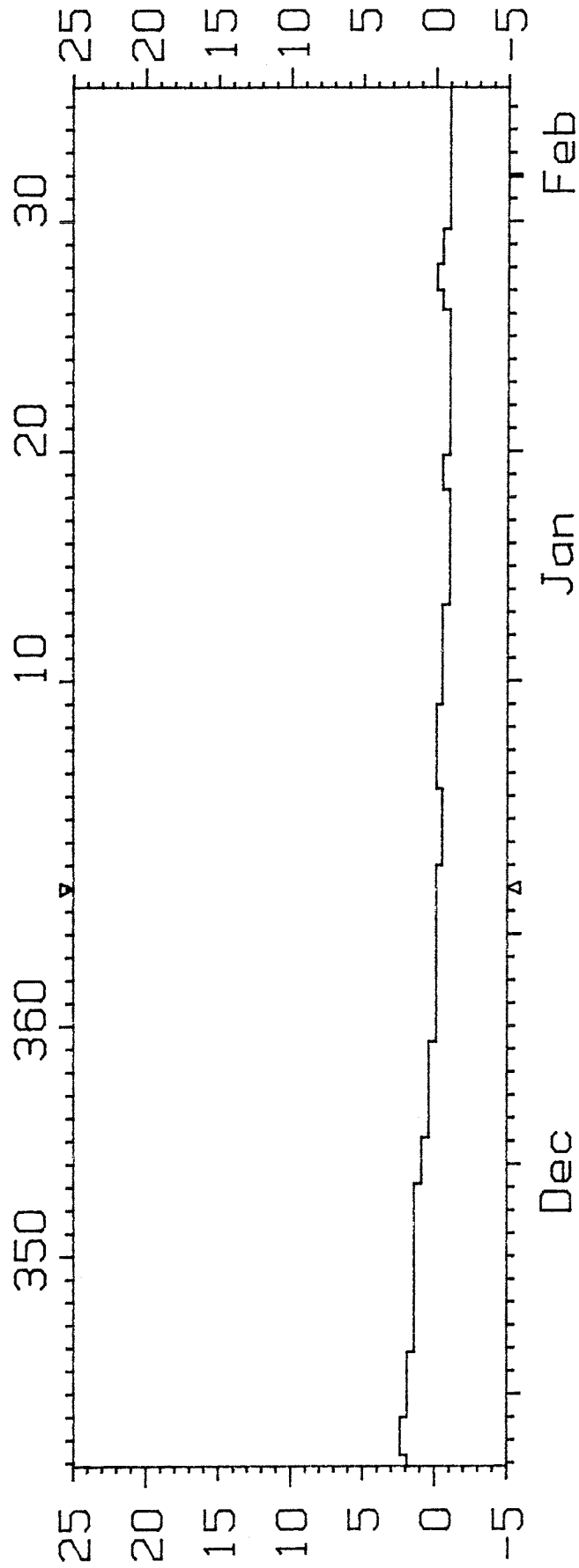
Pos. : 48.71, 53.76 Depth : 9 meters
Feb 4, 1984 20:00 GMT to Mar 20, 1984 12:00 GMT



Instrument : 62452

STOCK COVE NFLD (Page 1)

Pos. : 48.71, 53.76 Depth : 9 meters
Dec 6, 1983 20:00 GMT to Feb 4, 1984 20:00 GMT

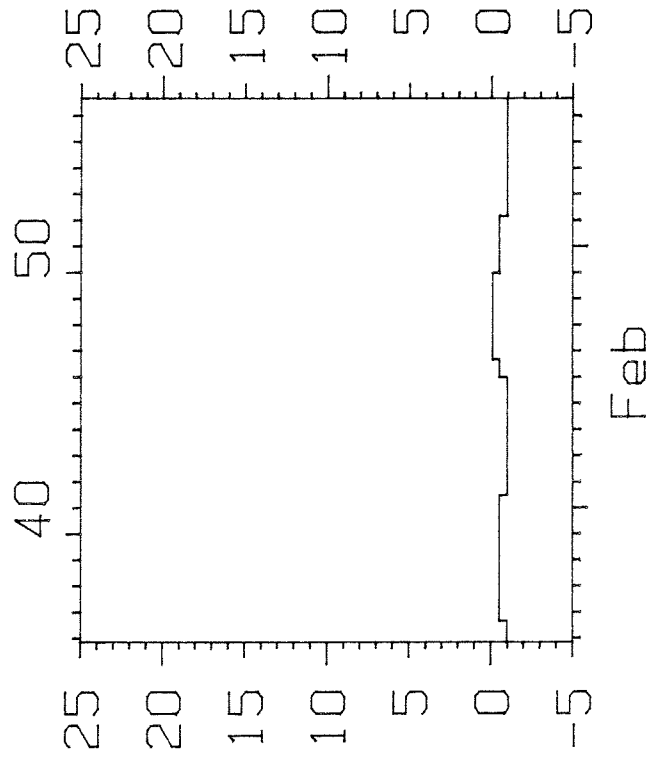


Instrument : 62457

STOCK COVE NFLD

(Page 2)

Pos. : 48.71, 53.76 Depth : 9 meters
Feb 4, 1984 20:00 GMT to Feb 25, 1984 16:00 GMT

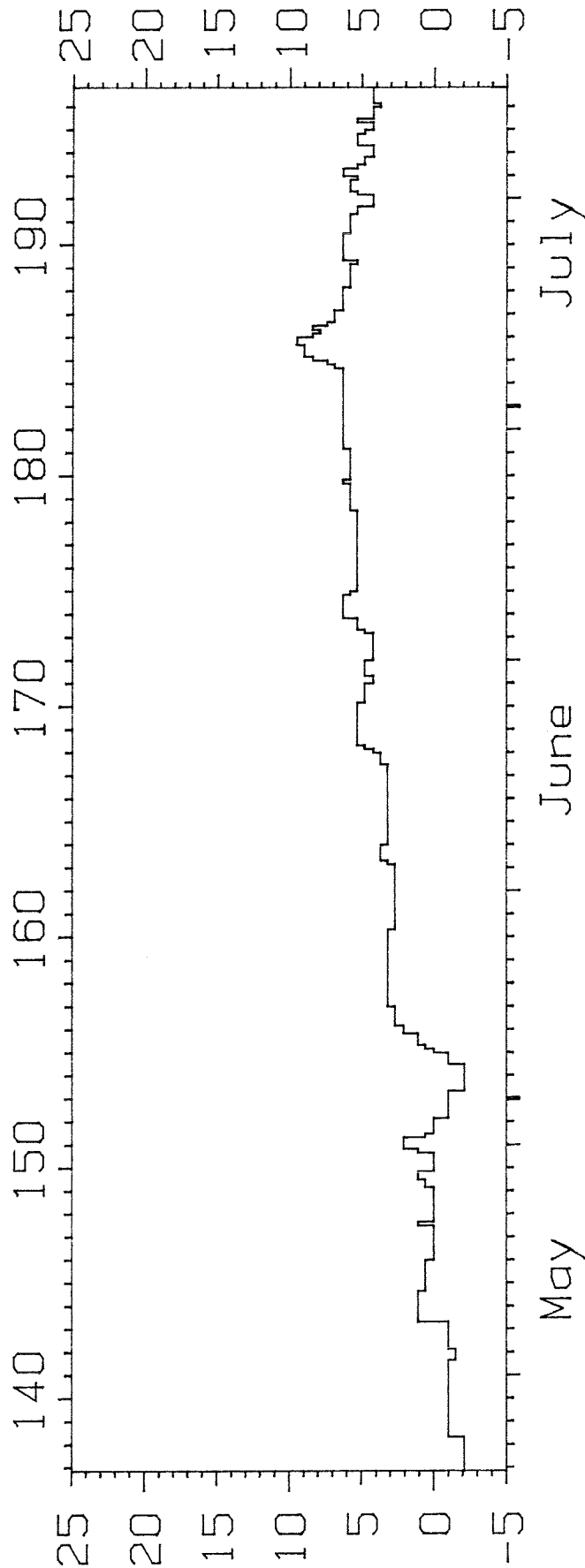


Instrument : 62457

STOCK COVE NFLD (Page 1)

Pos. : 48.71, 53.76 Depth : 9 meters

May 15, 1984 20:00 GMT to July 14, 1984 20:00 GMT



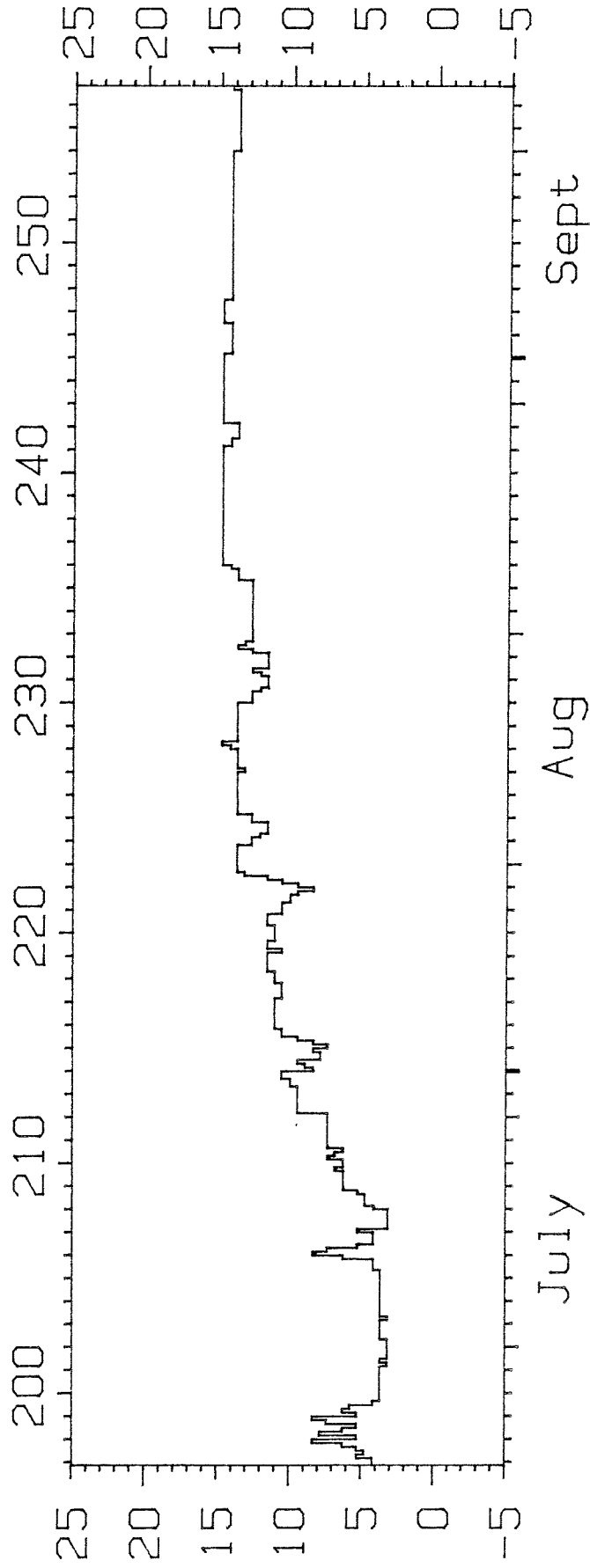
Instrument : 62542

STOCK COVE NFLD

(Page 2)

Pos. : 48.71, 53.76 Depth : 9 meters

July 14, 1984 20:00 GMT to Sept 12, 1984 20:00 GMT

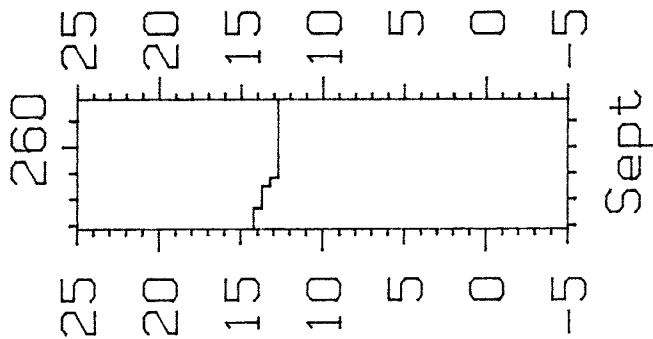


Instrument : 62542

(Page 3)

STOCK COVE NFLD

Pos. : 48.71, 53.76 Depth : 9 meters
Sept 12, 1984 20:00 GMT to Sept 17, 1984 20:00 GMT



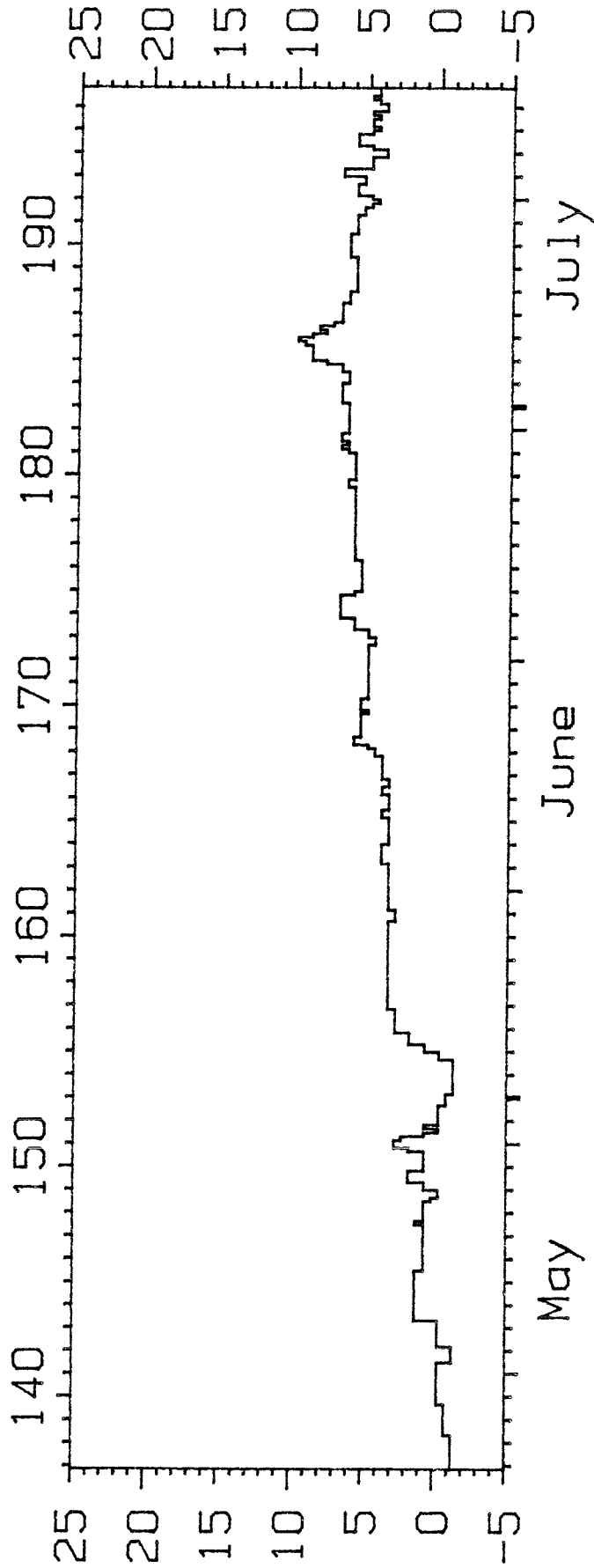
Instrument : 62542

STOCK COVE NFLD

(Page 1)

Pos. : 48.71, 53.76 Depth : 9 meters

May 15, 1984 20:00 GMT to July 14, 1984 20:00 GMT



Instrument : 62468

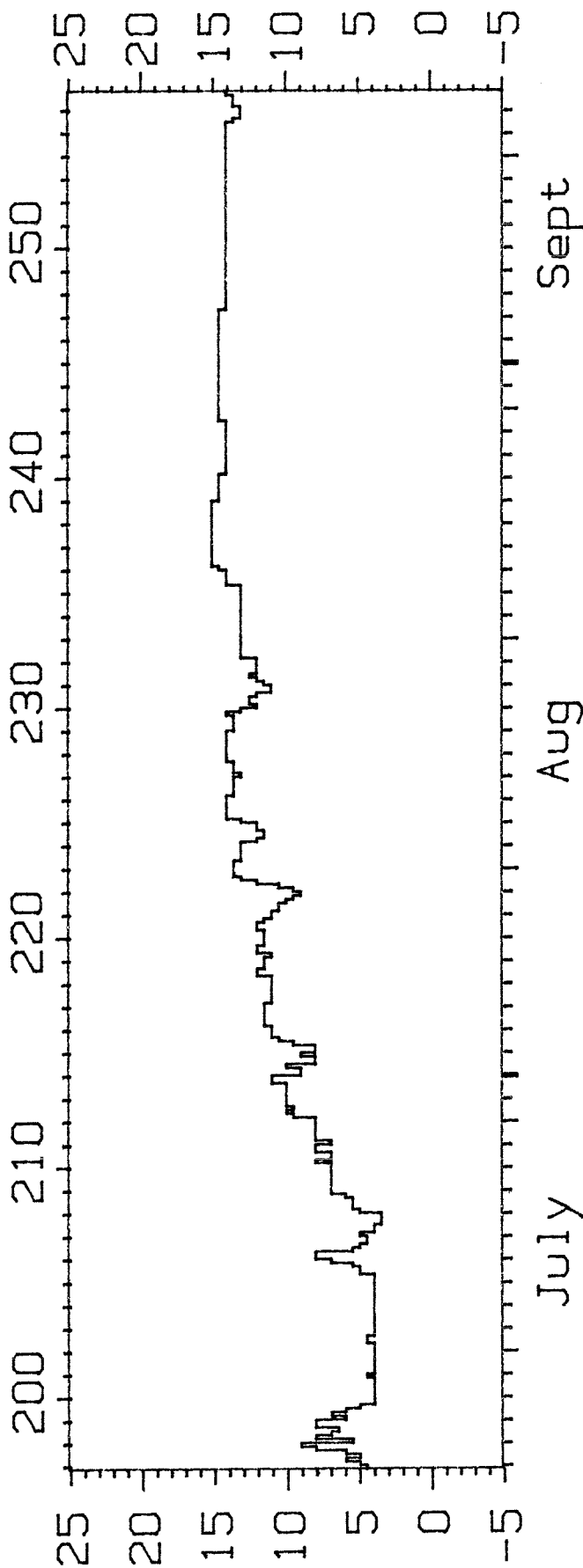
STOCK COVE NFLD

(Page 2)

Pos. : 48.71, 53.76

Depth : 9 meters

July 14, 1984 20:00 GMT to Sept 12, 1984 20:00 GMT

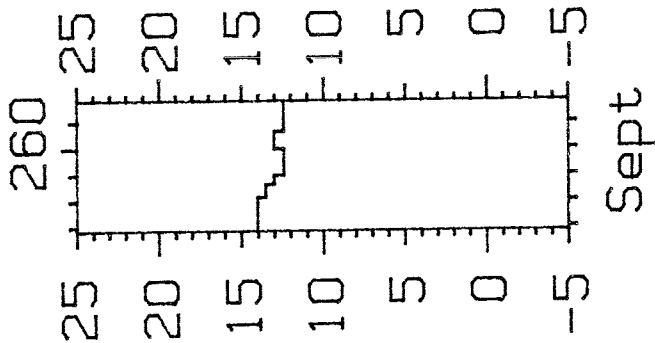


Instrument : 62468

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STOCK COVE NFLD

Pos. : 48.71, 53.76 Depth : 9 meters
Sept 12, 1984 20:00 GMT to Sept 17, 1984 20:00 GMT

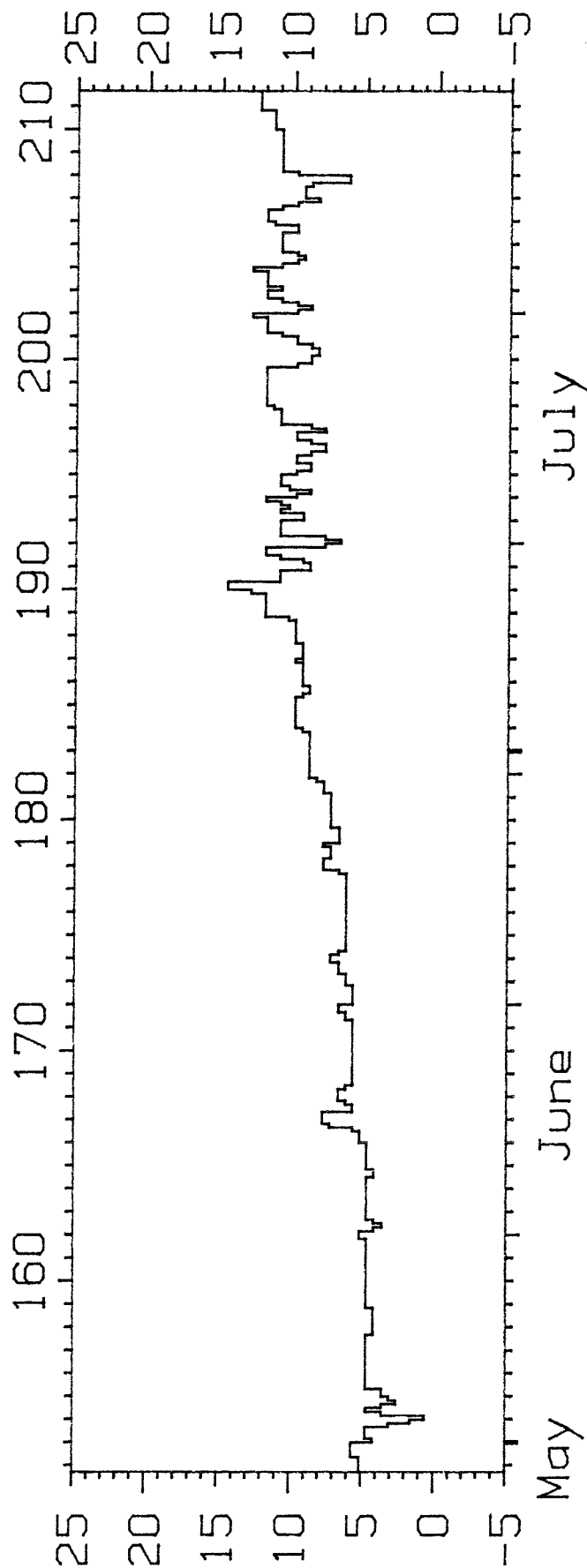


Instrument : 62468

SALVAGE BAY NFLD (Page 1)

Pos. : 48.68, 53.65 Depth : 1 meters

May 30, 1984 16:00 GMT to July 29, 1984 16:00 GMT



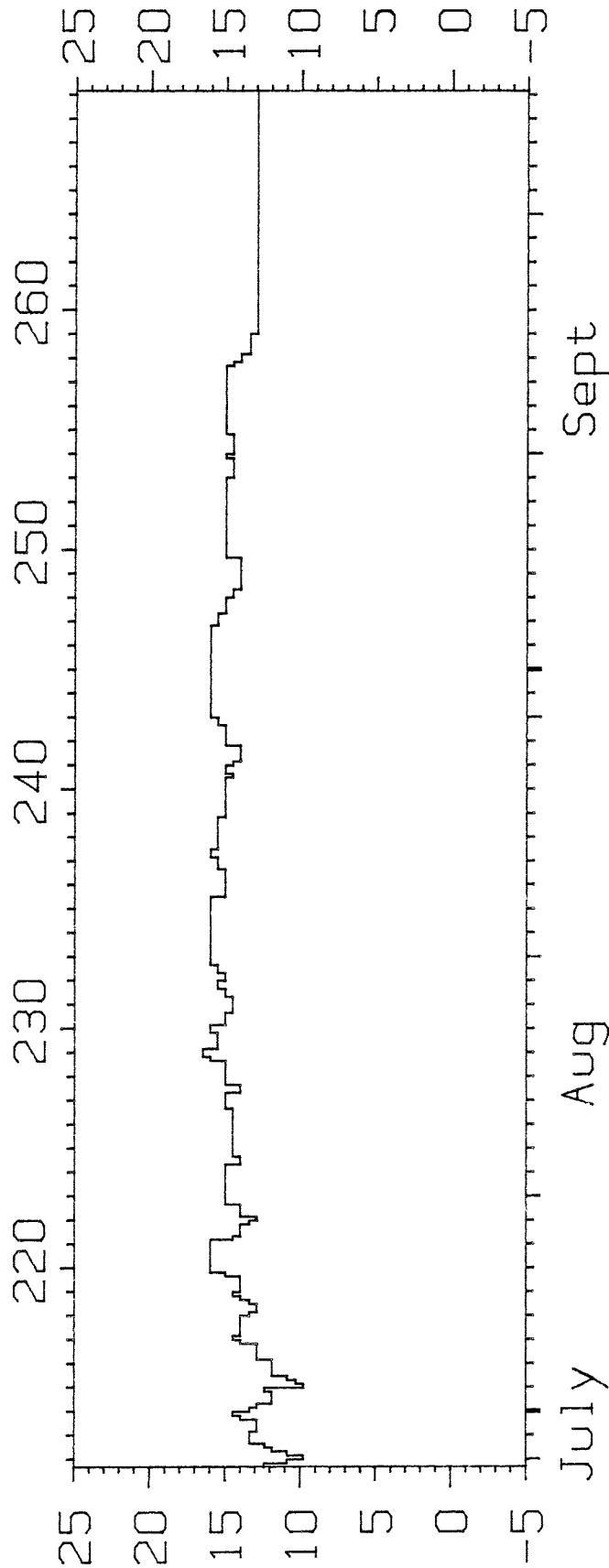
Instrument : 62485

SALVAGE BAY NFLD

(Page 2)

Pos. : 48.68, 53.65 Depth : 1 meters

July 29, 1984 16:00 GMT to Sept 25, 1984 04:00 GMT

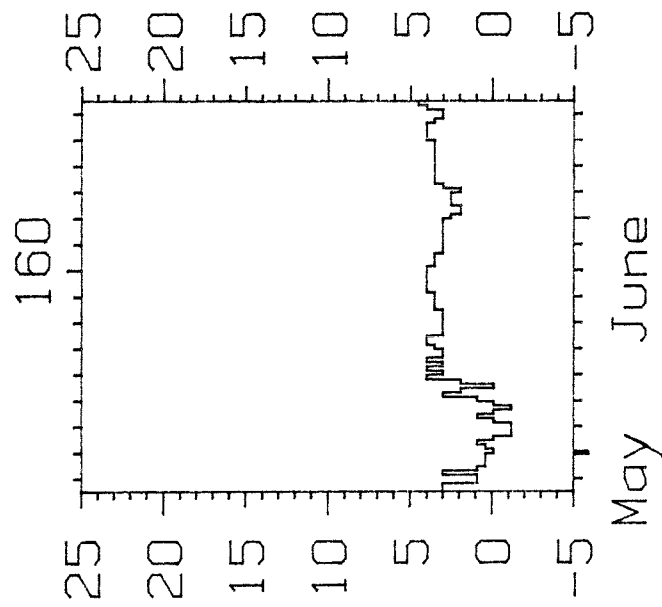


Instrument : 62485

SALVAGE BAY NFLD

Pos. : 48.68, 53.65 Depth : 10 meters

May 30, 1984 12:00 GMT to June 14, 1984 12:00 GMT

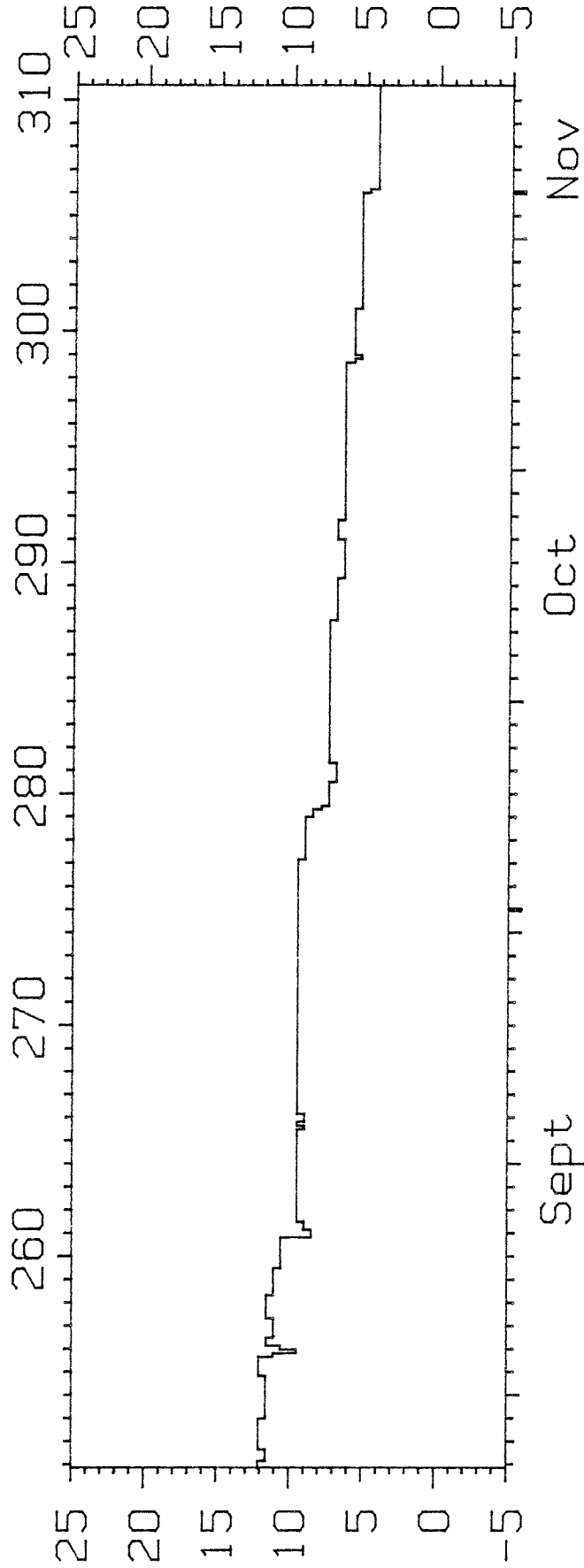


Instrument : 62472

MELROSE NFLD

Pos. : 48.47, 53.04 Depth : 9 meters

Sept 6, 1984 20:00 GMT to Nov 5, 1984 16:00 GMT

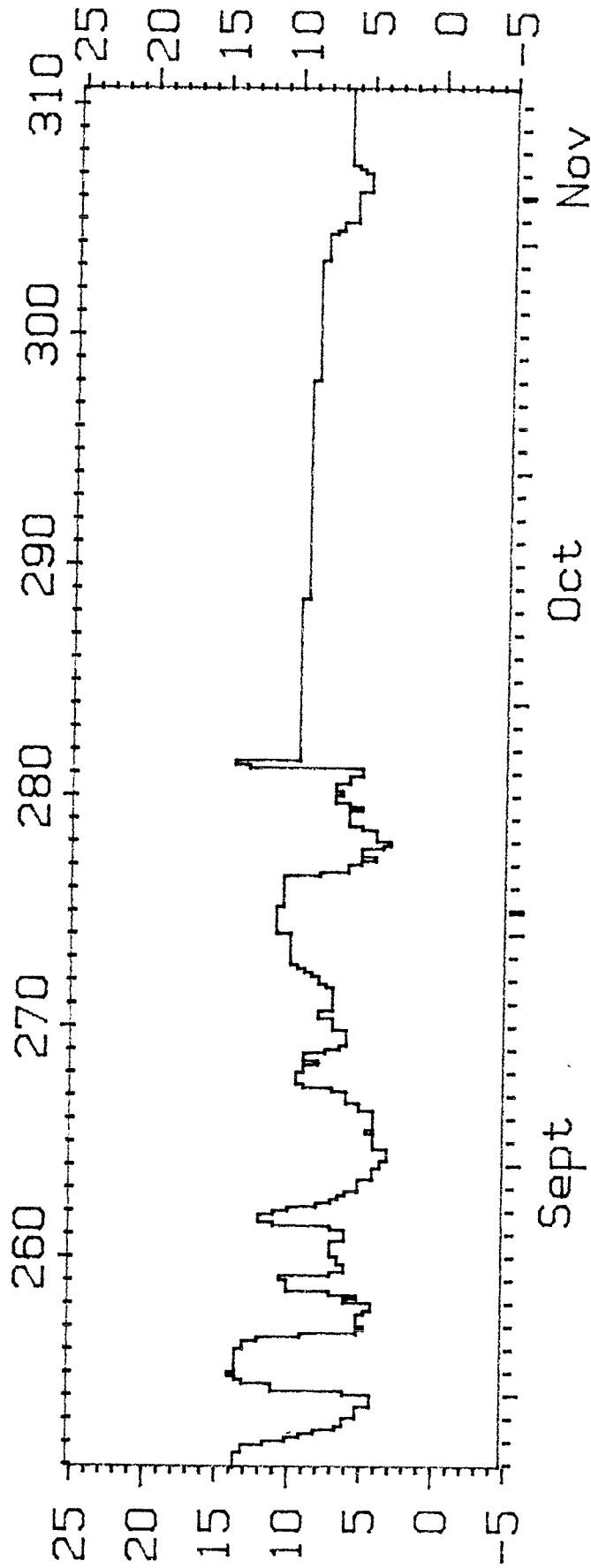


Instrument : 62491

MELROSE NFLD

Pos. : 48.47, 53.04 Depth : 27.5 meters

Sept 6, 1984 20:00 GMT to Nov 5, 1984 16:00 GMT



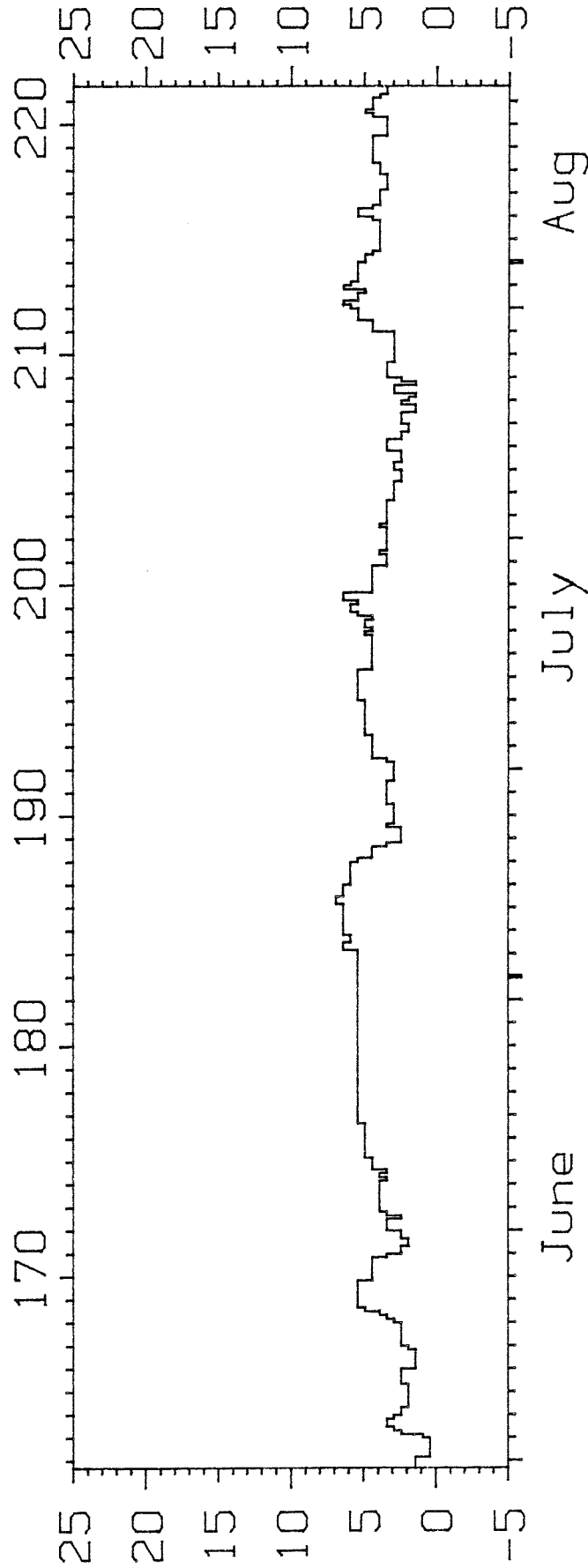
Instrument : 63371

(Page 1)

GOOSEBERRY COVE NFLD

Pos. : 48, 53.6 Depth : 18 meters

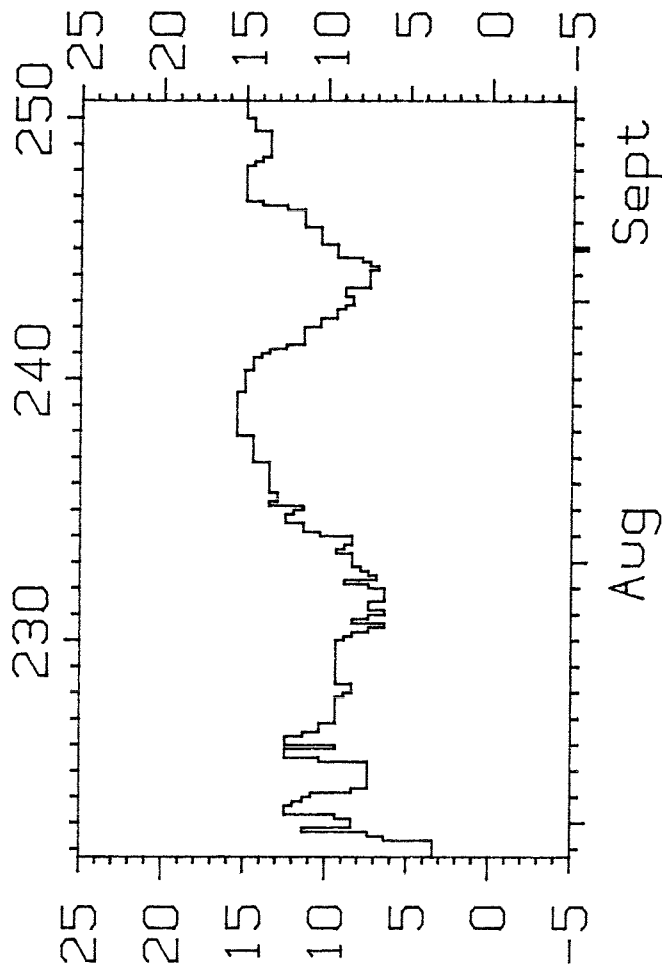
June 9, 1984 16:00 GMT to Aug 8, 1984 16:00 GMT



Instrument : 63353

GOOSEBERRY COVE NFLD (Page 2)

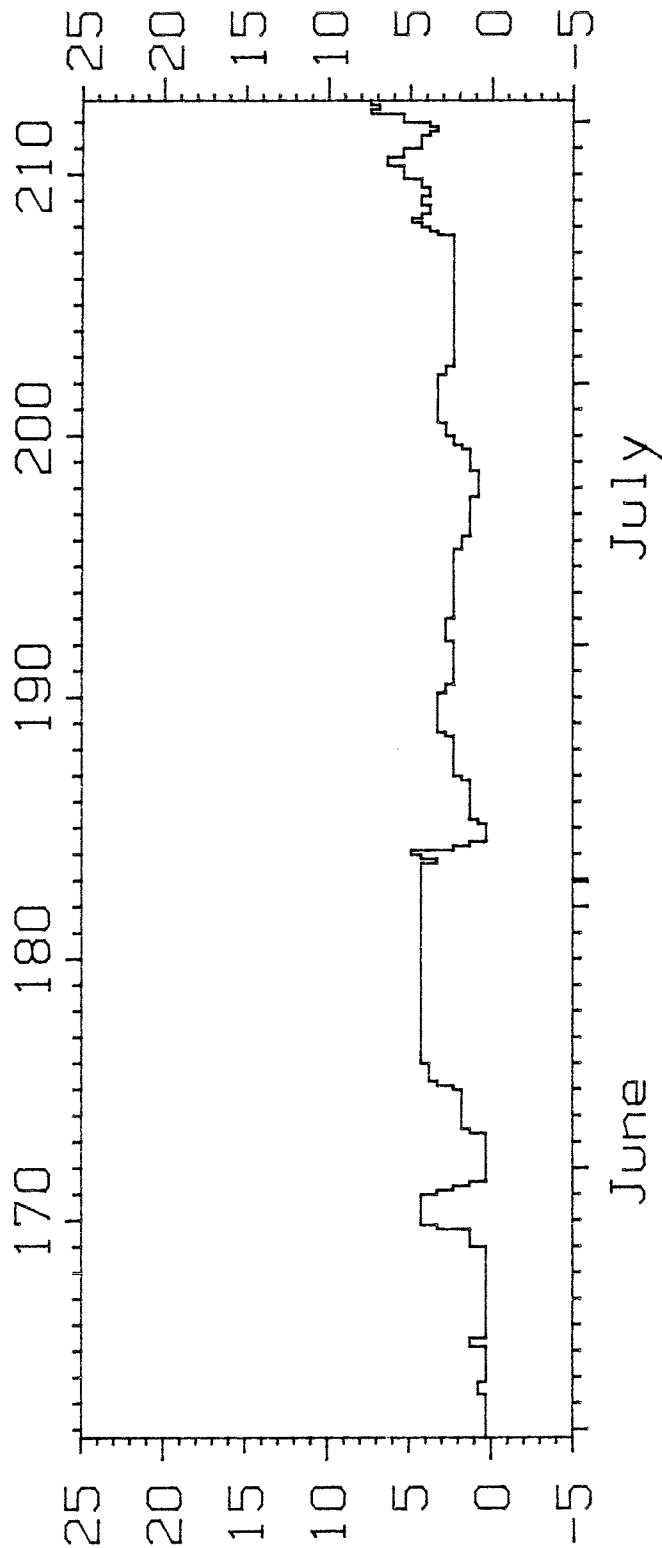
Pos. : 48, 53.6 Depth : 18 meters
Aug 8, 1984 16:00 GMT to Sept 6, 1984 16:00 GMT



Instrument : 63353

GOOSEBERRY COVE NFLD

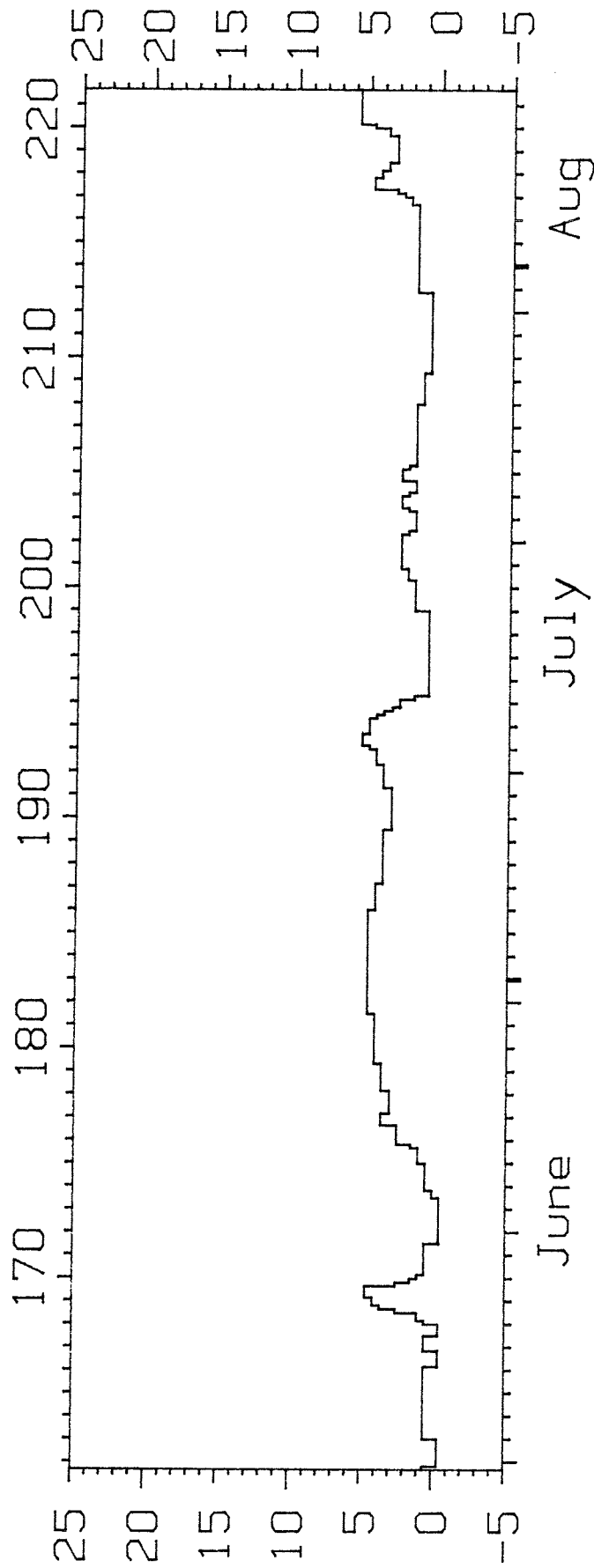
Pos. : 48, 53.6 Depth : 27.4 meters
June 9, 1984 16:00 GMT to July 30, 1984 20:00 GMT



Instrument : 63294

DEER HARBOUR NFLD (Page 1)

Pos. : 47.94, 53.67 Depth : 18 meters
June 9, 1984 16:00 GMT to Aug 8, 1984 16:00 GMT

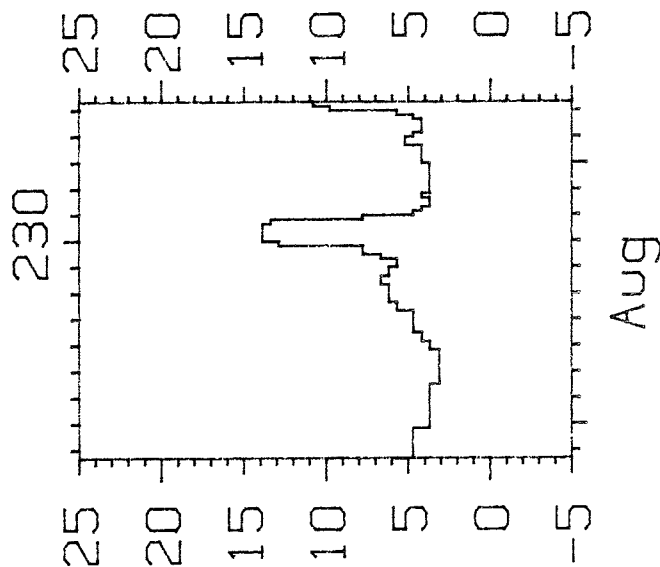


Instrument : 63293

(Page 2)

DEER HARBOUR NFLD

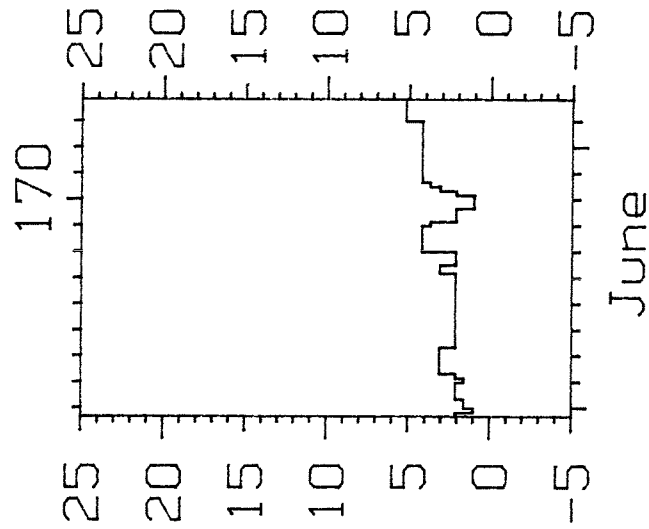
Pos. : 47.94, 53.67 Depth : 18 meters
Aug 8, 1984 16:00 GMT to Aug 22, 1984 08:00 GMT



Instrument : 63293

DEER HARBOUR NFLD

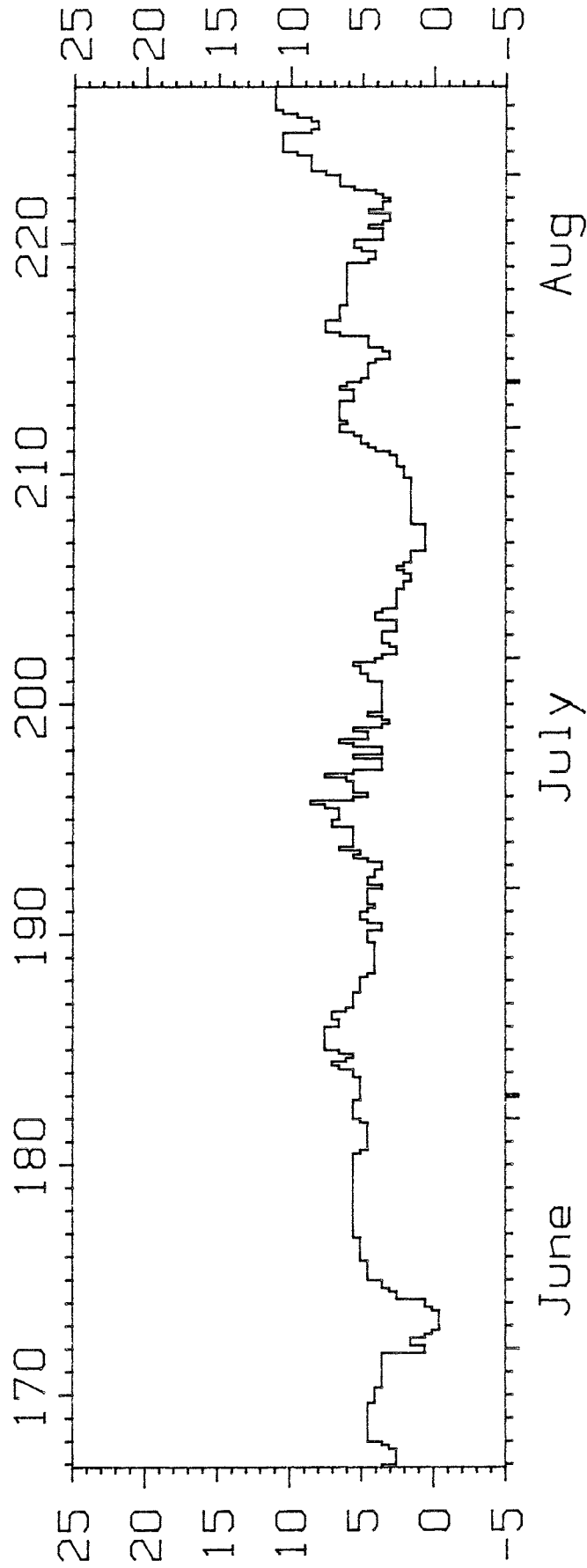
Pos. : 47.94, 53.67 Depth : 27 meters
June 9, 1984 16:00 GMT to June 21, 1984 20:00 GMT



Instrument : 63299

CHANCE COVE NFLD (Page 1)

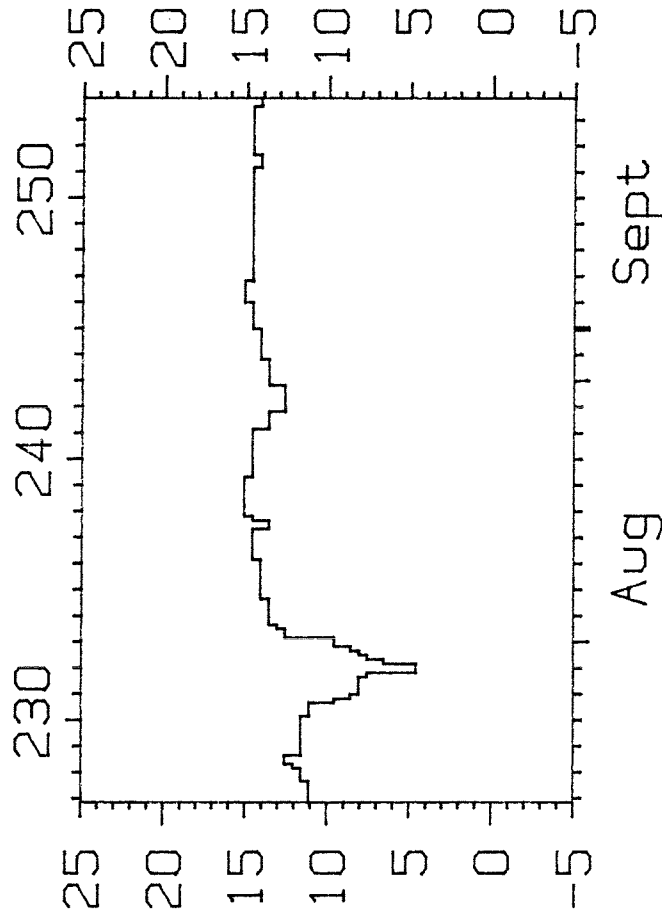
Pos. : 47.68, 53.8 Depth : 9 meters
June 14, 1984 20:00 GMT to Aug 13, 1984 20:00 GMT



Instrument : 63344

CHANCE COVE NFLD (Page 2)

Pos. : 47.68, 53.8 Depth : 9 meters
Aug 13, 1984 20:00 GMT to Sept 9, 1984 20:00 GMT

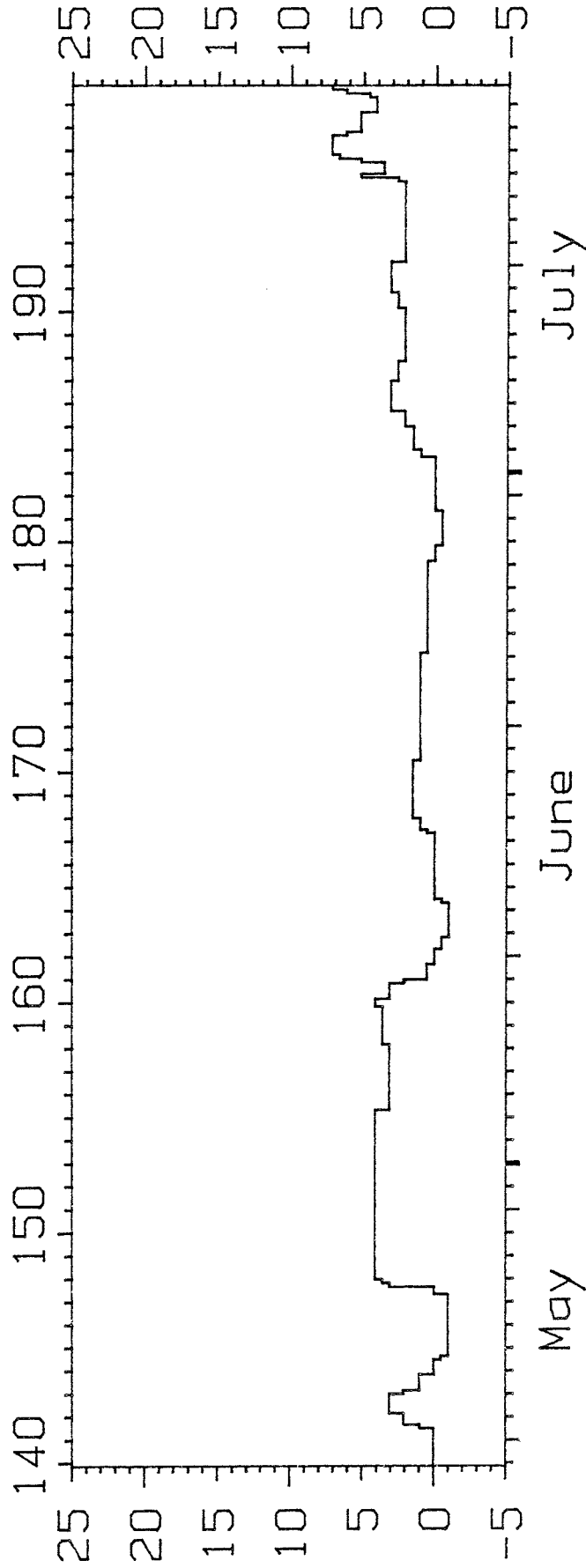


Instrument : 63344

CHANCE COVE NFLD (Page 1)

Pos. : 47.7, 53.82 Depth : 27 meters

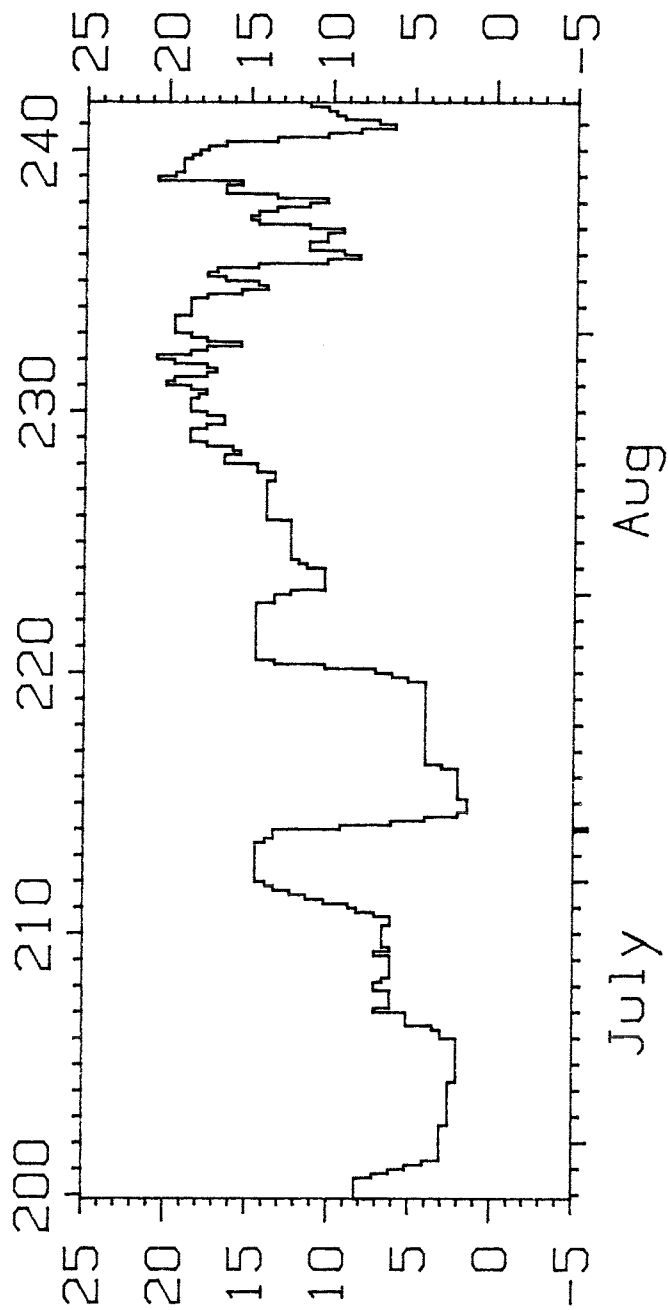
May 18, 1984 20:00 GMT to July 17, 1984 20:00 GMT



Instrument : 63297

CHANCE COVE NFLD (Page 2)

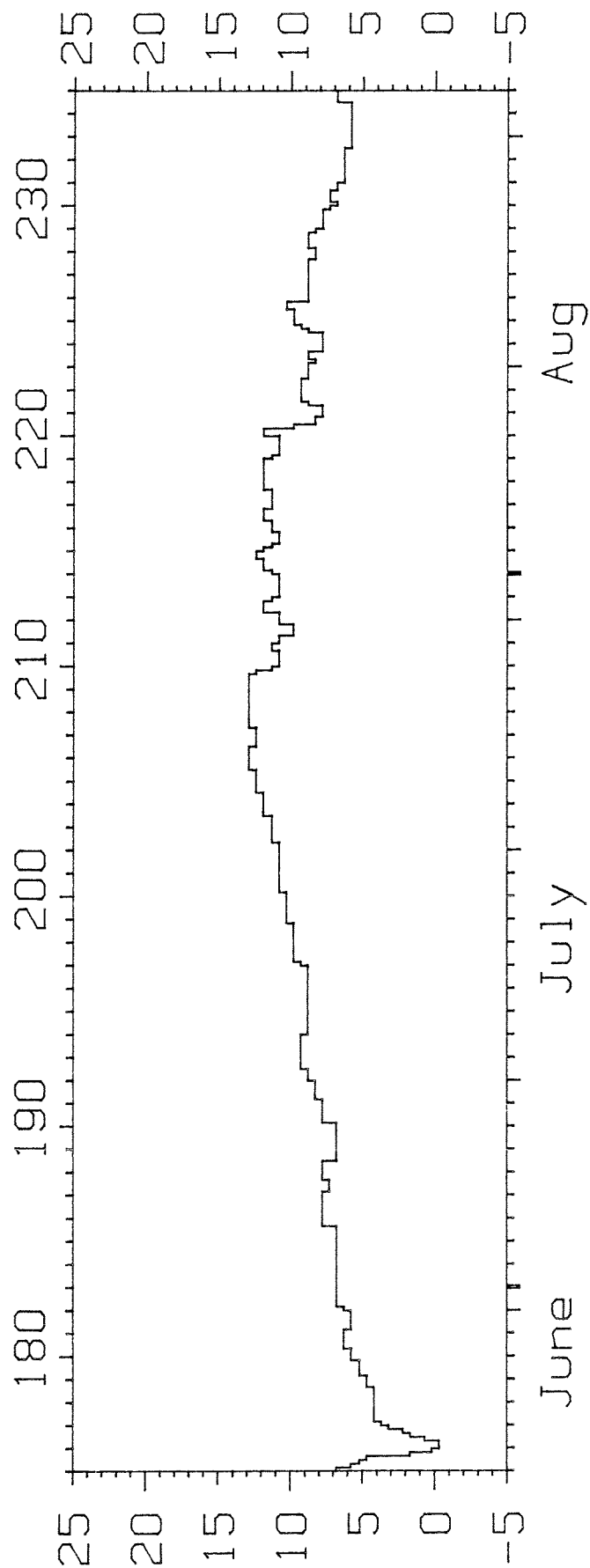
Pos. : 47.7, 53.82 Depth : 27 meters
July 17, 1984 20:00 GMT to Aug 28, 1984 20:00 GMT



Instrument : 63297

HEARTS DESIRE NFLD (Page 1)

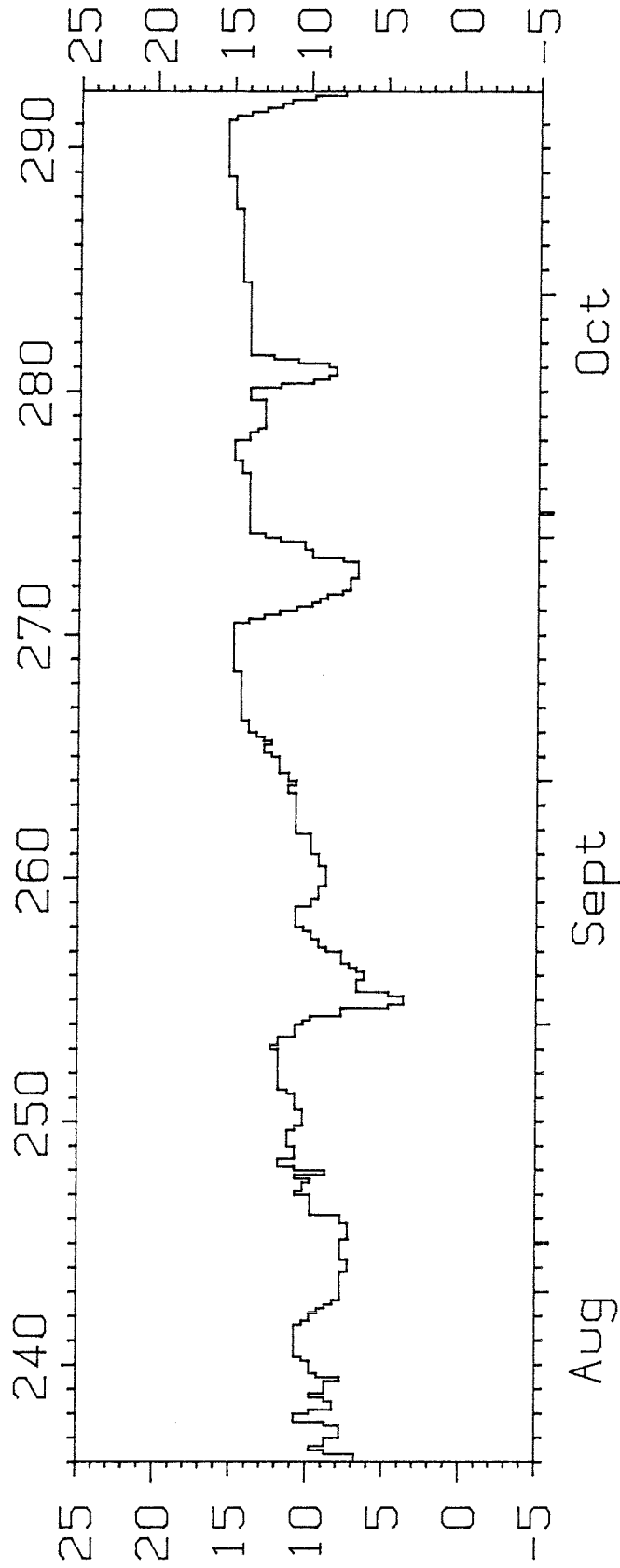
Pos. : 47.84, 53.45 Depth : 9 meters
June 22, 1984 24:00 GMT to Aug 22, 1984 00:00 GMT



Instrument : 63341

HEARTS DESIRE NFLD (Page 2)

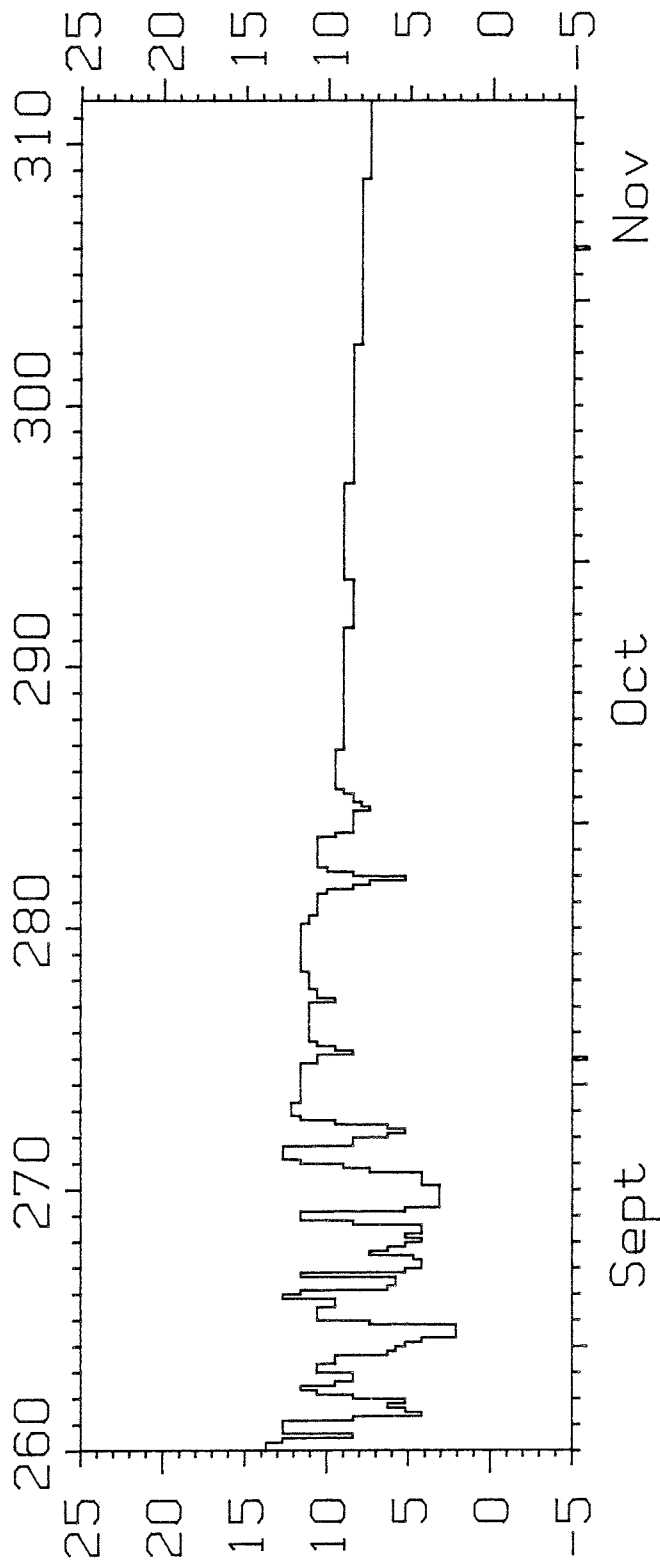
Pos. : 47.84, 53.45 Depth : 9 meters
Aug 22, 1984 00:00 GMT to Oct 17, 1984 08:00 GMT



Instrument : 63341

HEARTS DESIRE NFLD

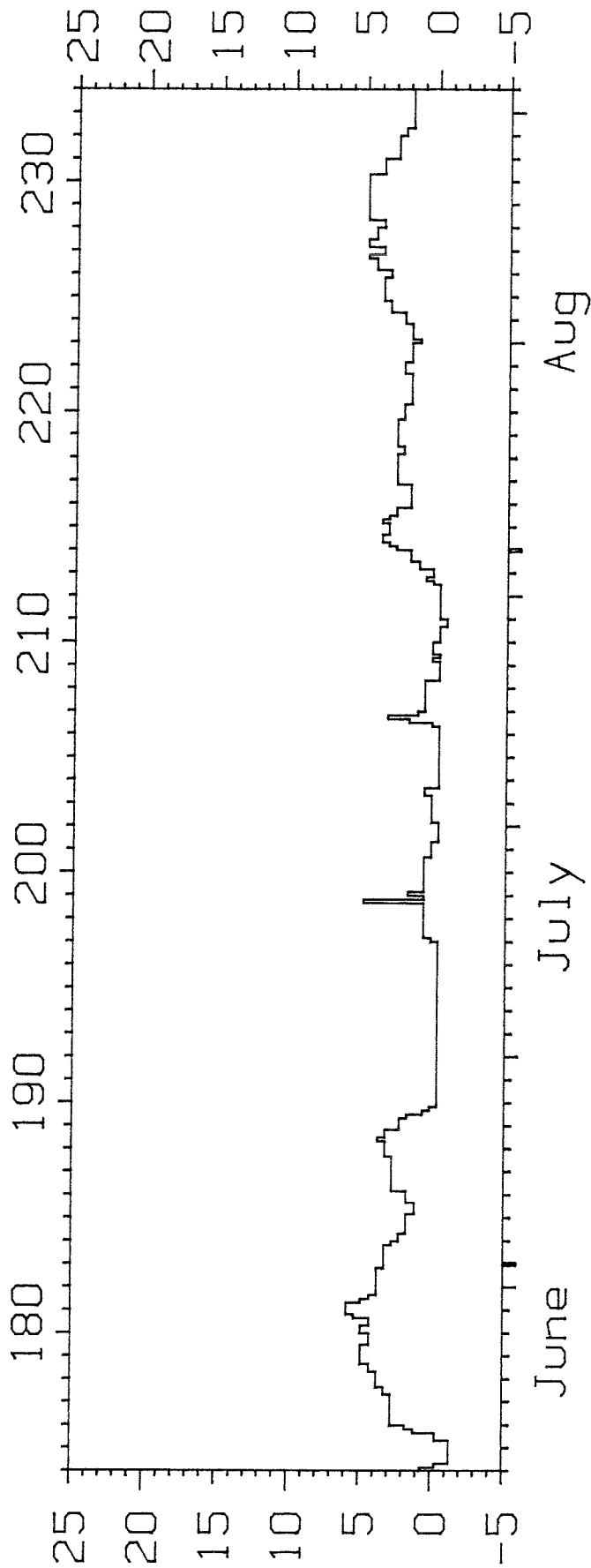
Pos. : 47.84, 53.45 Depth : 9 meters
Sept 15, 1984 24:00 GMT to Nov 6, 1984 16:00 GMT



Instrument : 62907

HEARTS DESIRE NFLD (Page 1)

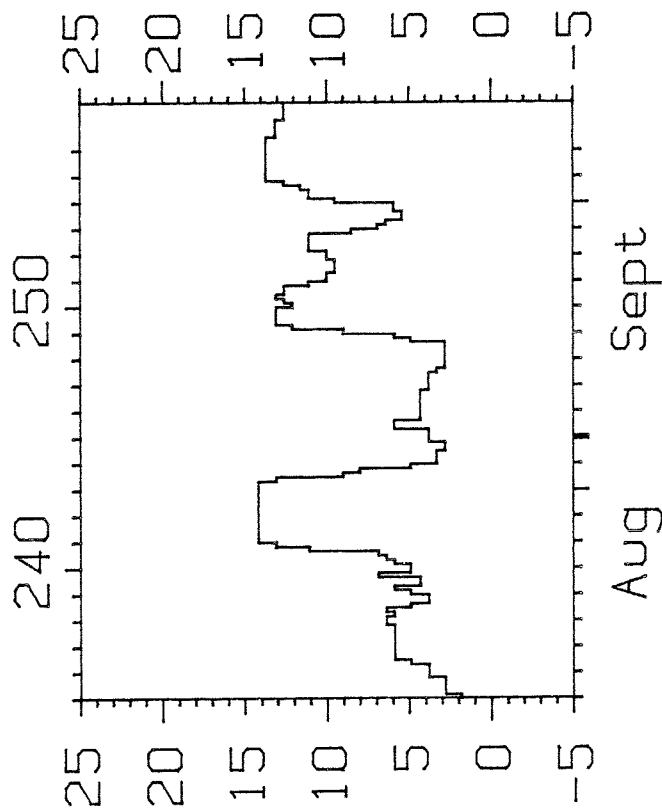
Pos. : 47.84, 53.45 Depth : 27.5 meters
June 21, 1984 24:00 GMT to Aug 21, 1984 00:00 GMT



Instrument : 63296

HEARTS DESIRE NFLD (Page 2)

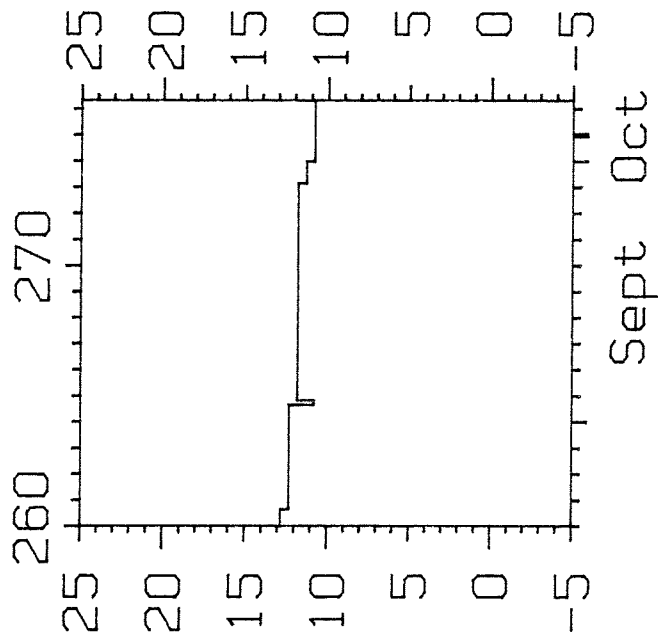
Pos. : 47.84, 53.45 Depth : 27.5 meters
Aug 21, 1984 00:00 GMT to Sept 12, 1984 20:00 GMT



Instrument : 63296

HEARTS DESIRE NFLD

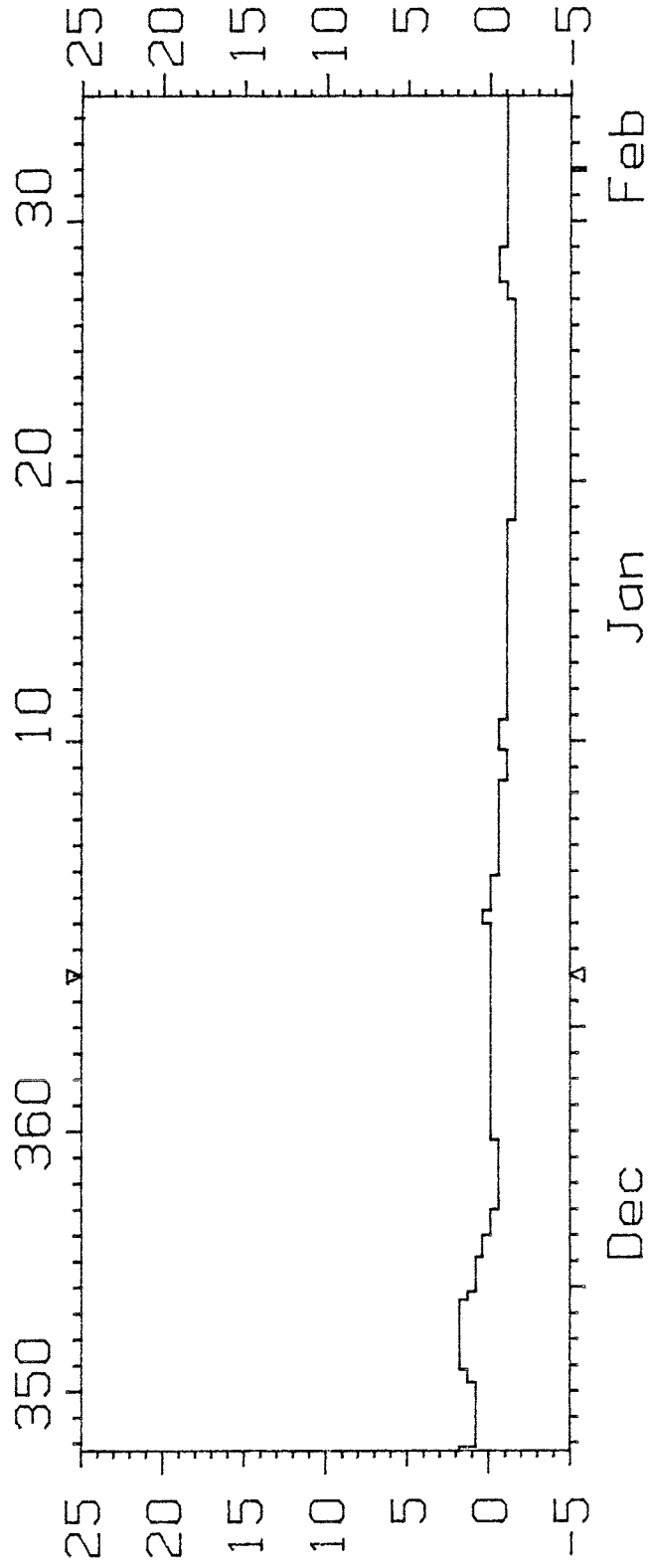
Pos. : 47.84, 53.45 Depth : 27.5 meters
Sept 15, 1984 24:00 GMT to Oct 2, 1984 08:00 GMT



Instrument : 62902

HARBOUR GRACE NFLD

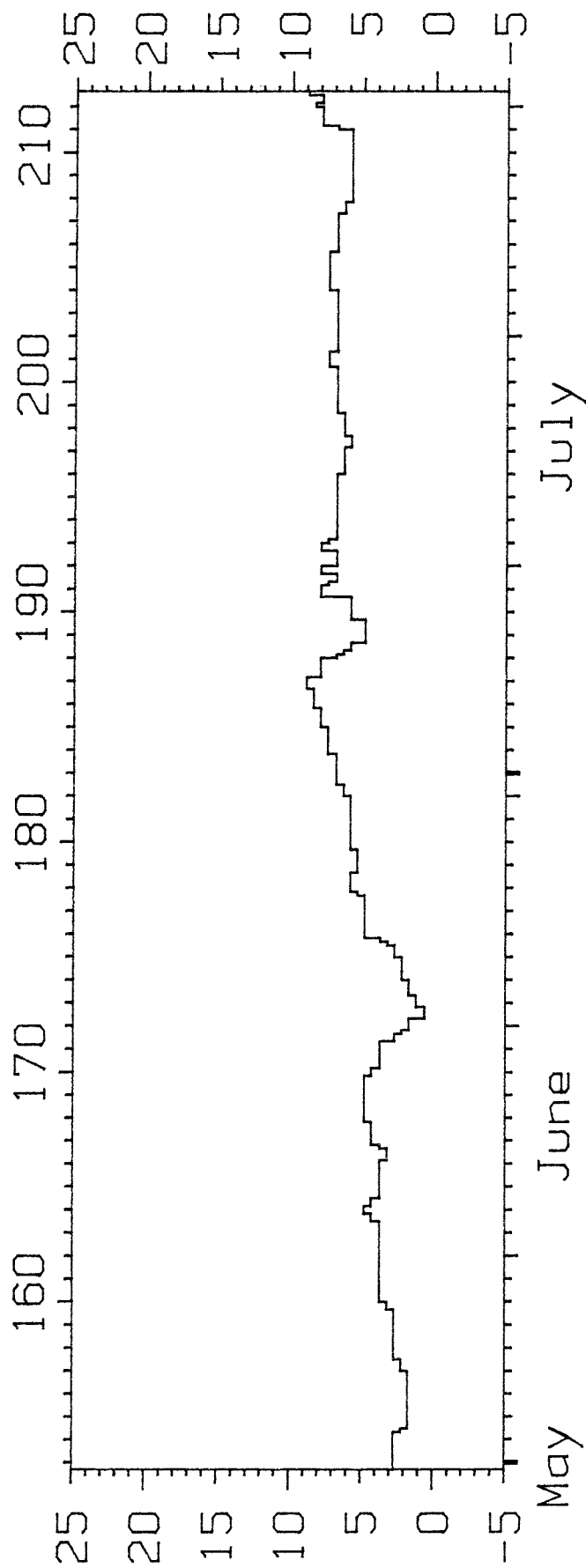
Pos. : 47.68, 53.24 Depth : 6 meters
Dec 13, 1983 16:00 GMT to Feb 3, 1984 20:00 GMT



Instrument : 62871

HARBOUR GRACE NFLD (Page 1)

Pos. : 47.68, 53.24 Depth : 6 meters
May 31, 1984 16:00 GMT to July 30, 1984 16:00 GMT



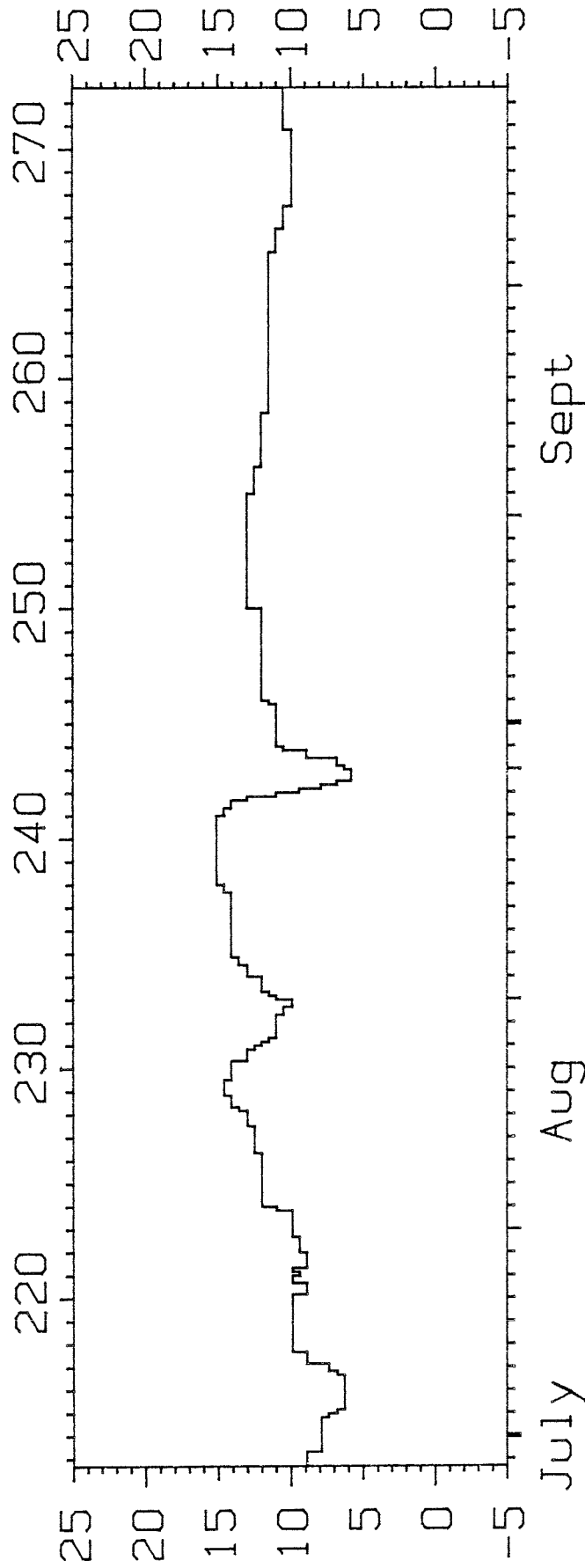
Instrument : 61665

(Page 2)

HARBOUR GRACE NFLD

Pos. : 47.68, 53.24 Depth : 6 meters

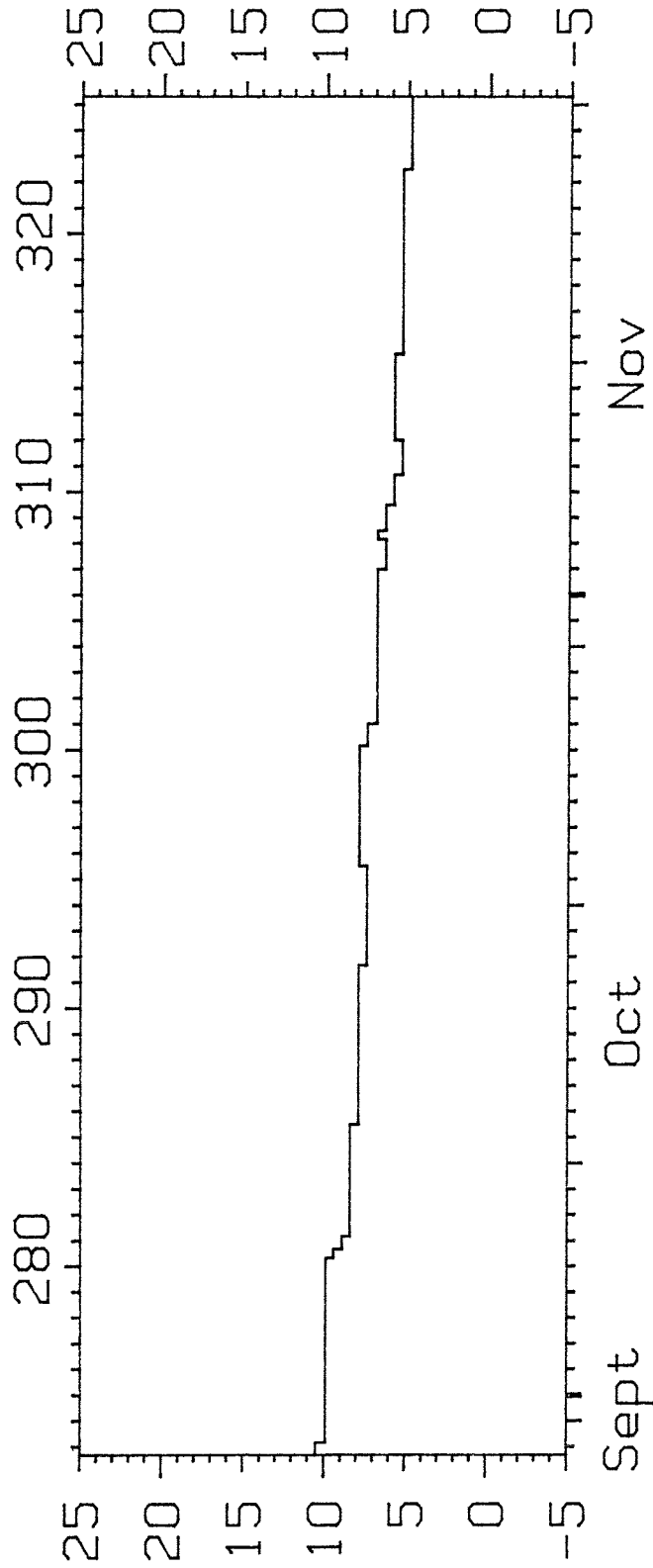
July 30, 1984 16:00 GMT to Sept 28, 1984 16:00 GMT



Instrument : 61665

HARBOUR GRACE NFLD (Page 3)

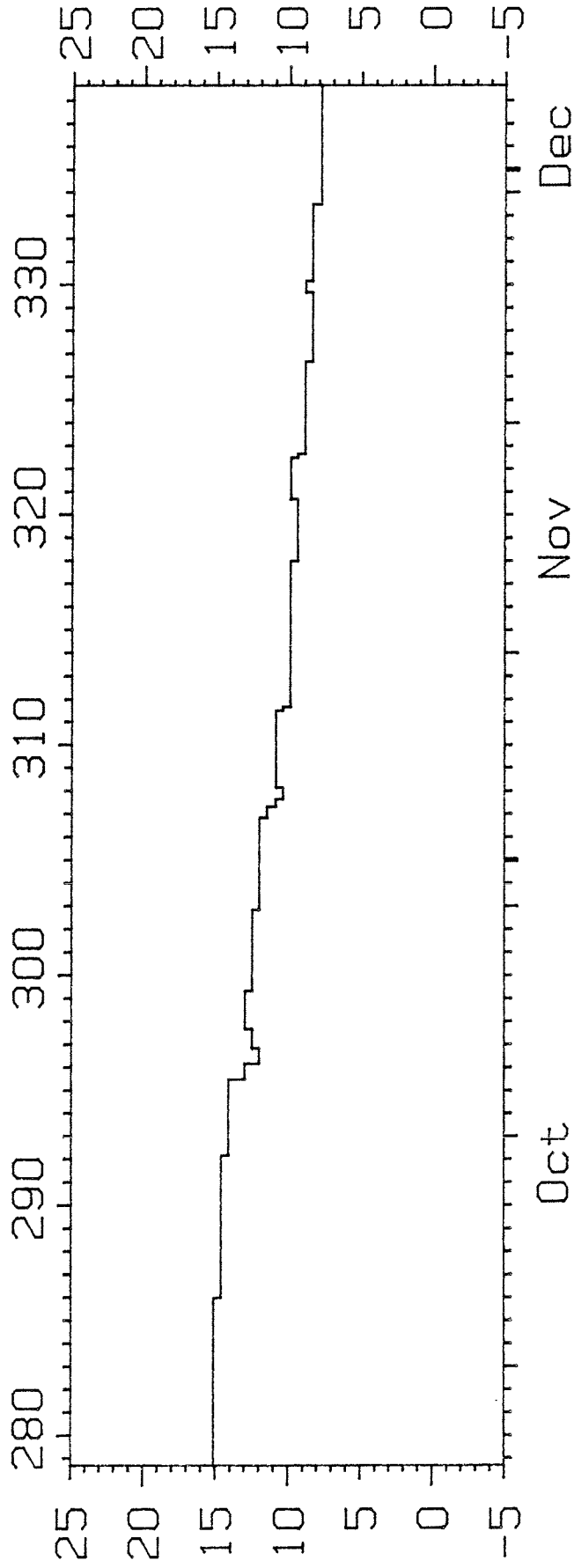
Pos. : 47.68, 53.24 Depth : 6 meters
Sept 28, 1984 16:00 GMT to Nov 20, 1984 08:00 GMT



Instrument : 61665

HOLYROOD NFLD (Page 1)

Pos. : 47.42, 53.17 Depth : 10 meters
Oct 5, 1983 16:00 GMT to Dec 4, 1983 16:00 GMT

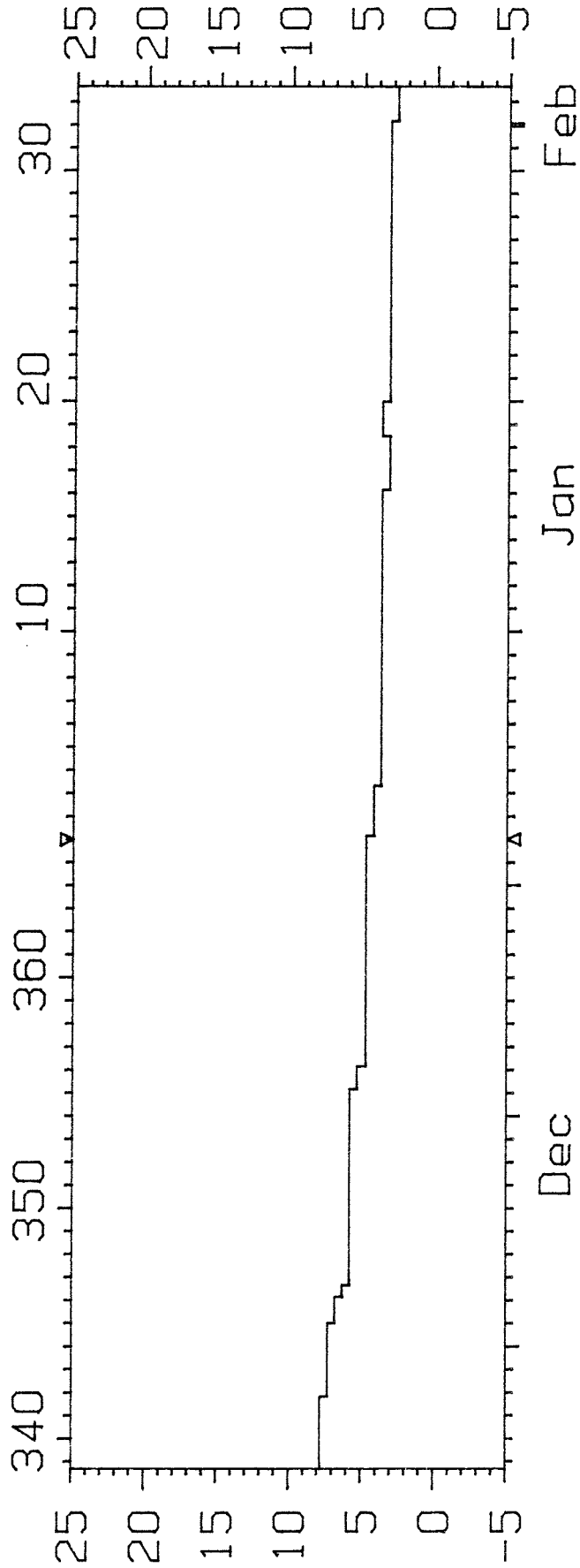


Instrument : 61636

Poor performance at low temperature.

HOLYROOD NFLD (Page 2)

Pos. : 47.42, 53.17 Depth : 10 meters
Dec 4, 1983 16:00 GMT to Feb 2, 1984 16:00 GMT

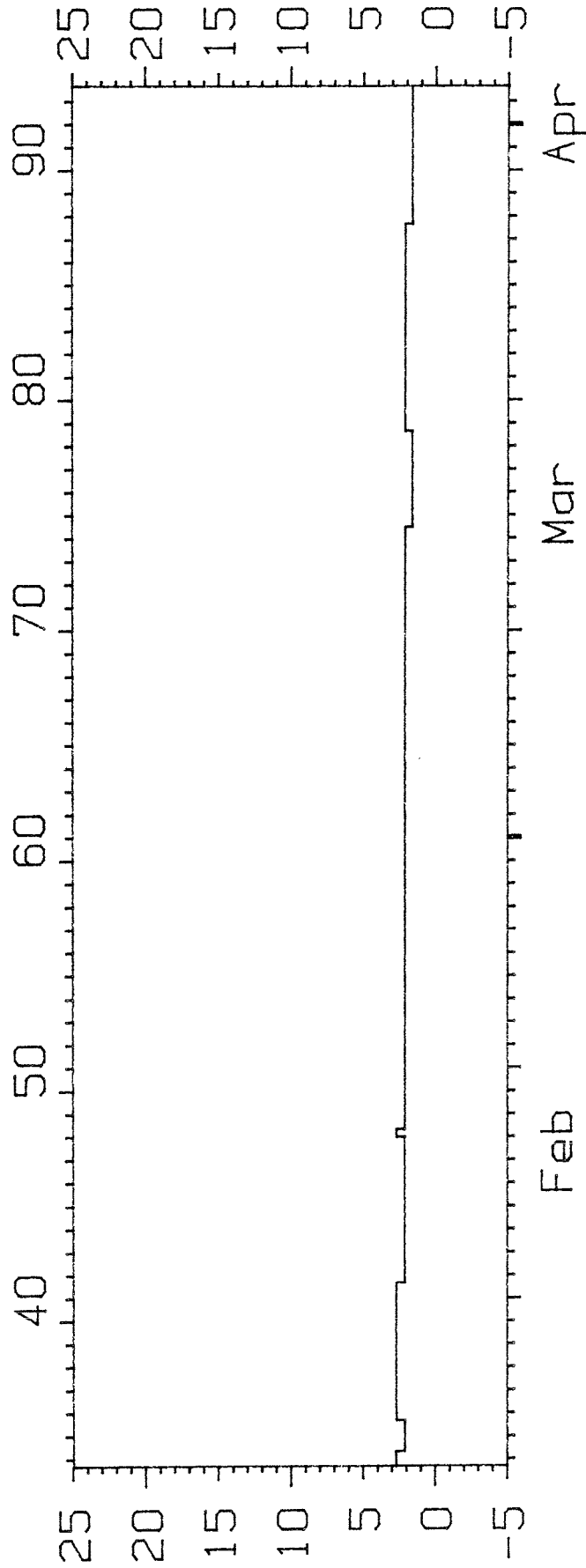


Instrument : 61636

Poor performance at low temperature.

HOLYROOD NFLD (Page 3)

Pos. : 47.42, 53.17 Depth : 10 meters
Feb 2, 1984 16:00 GMT to Apr 2, 1984 16:00 GMT

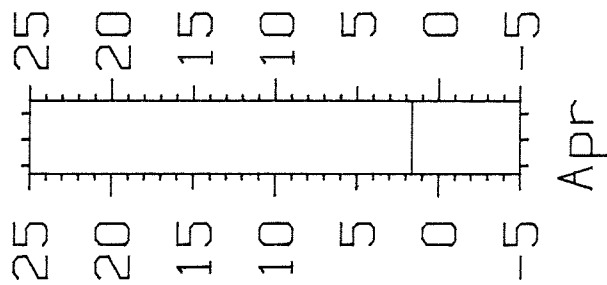


Instrument : 61636

Poor performance at low temperature.

HOLYROOD NFLD (Page 4)

Pos. : 47.42, 53.17 Depth : 10 meters
Apr 2, 1984 16:00 GMT to Apr 5, 1984 12:00 GMT

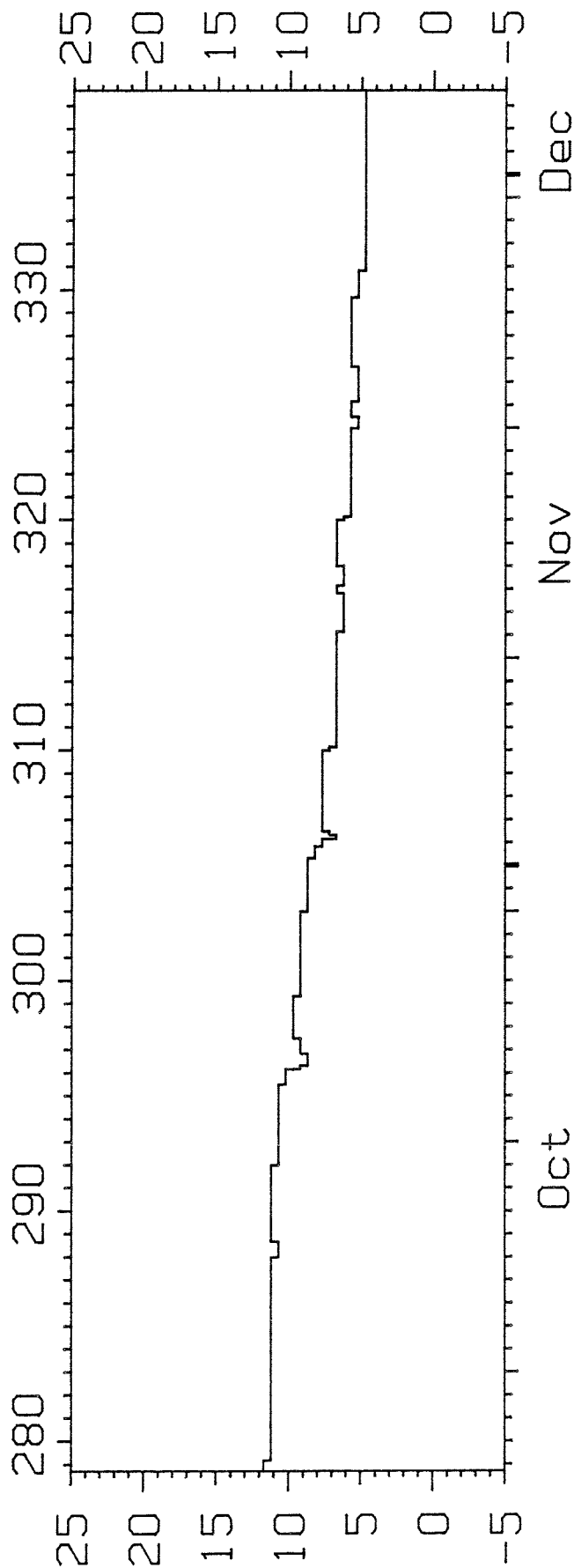


Instrument : 61636

Poor performance at low temperature.

HOLYROOD NFLD (Page 1)

Pos. : 47.42, 53.17 Depth : 10 meters
Oct 5, 1983 16:00 GMT to Dec 4, 1983 16:00 GMT

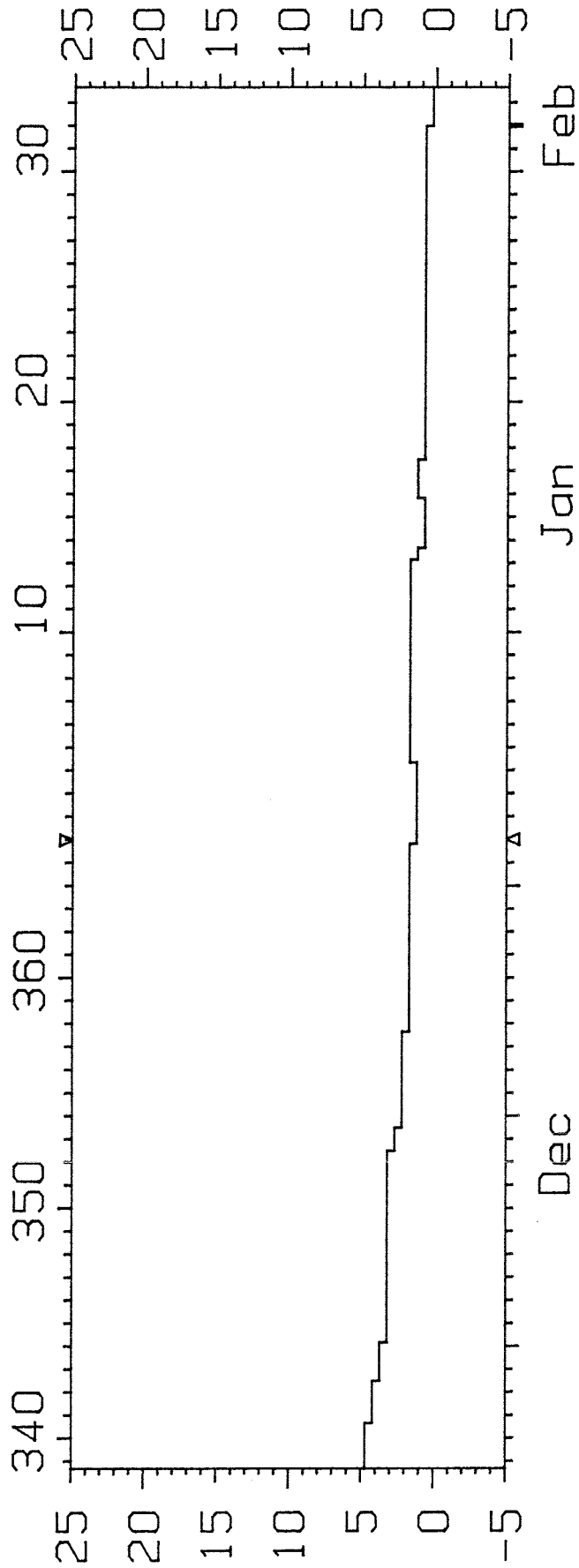


Instrument : 61689

HOLYROOD NFLD (Page 2)

Pos. : 47.42, 53.17 Depth : 10 meters

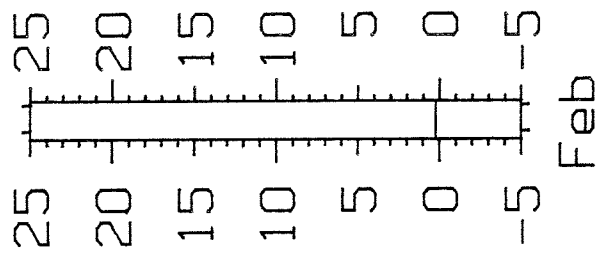
Dec 4, 1983 16:00 GMT to Feb 2, 1984 16:00 GMT



Instrument : 61689

HOLYROOD NFLD (Page 3)

Pos. : 47.42, 53.17 Depth : 10 meters
Feb 2, 1984 16:00 GMT to Feb 4, 1984 04:00 GMT

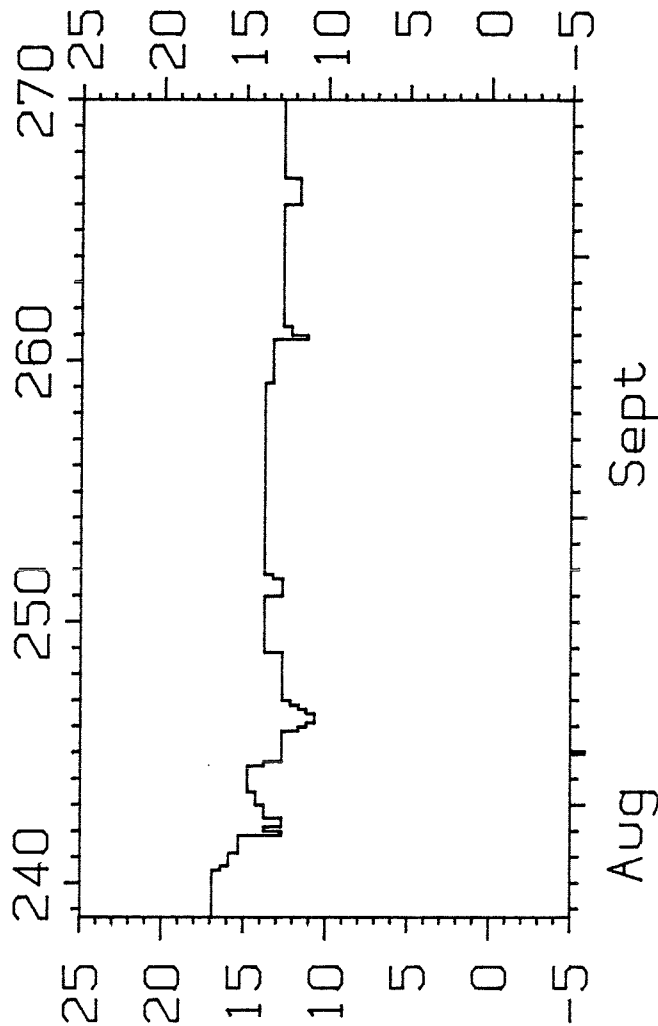


Instrument : 61689

HOLYROOD NFLD

Pos. : 47.42, 53.17 Depth : 6 meters

Aug 25, 1984 16:00 GMT to Sept 26, 1984 00:00 GMT

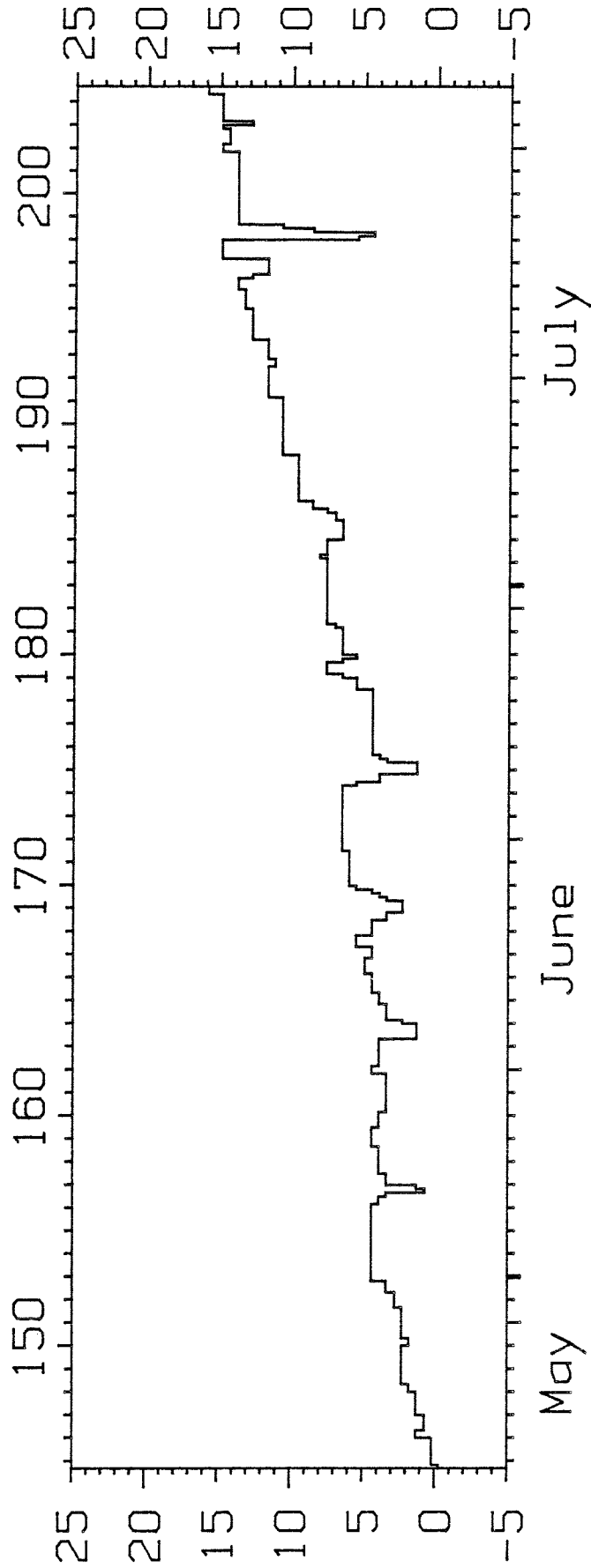


Instrument : 63376

BROAD COVE NFLD (Page 1)

Pos. : 47.62, 52.88 Depth : 6.8 meters

May 23, 1984 16:00 GMT to July 22, 1984 16:00 GMT



Instrument : 62540

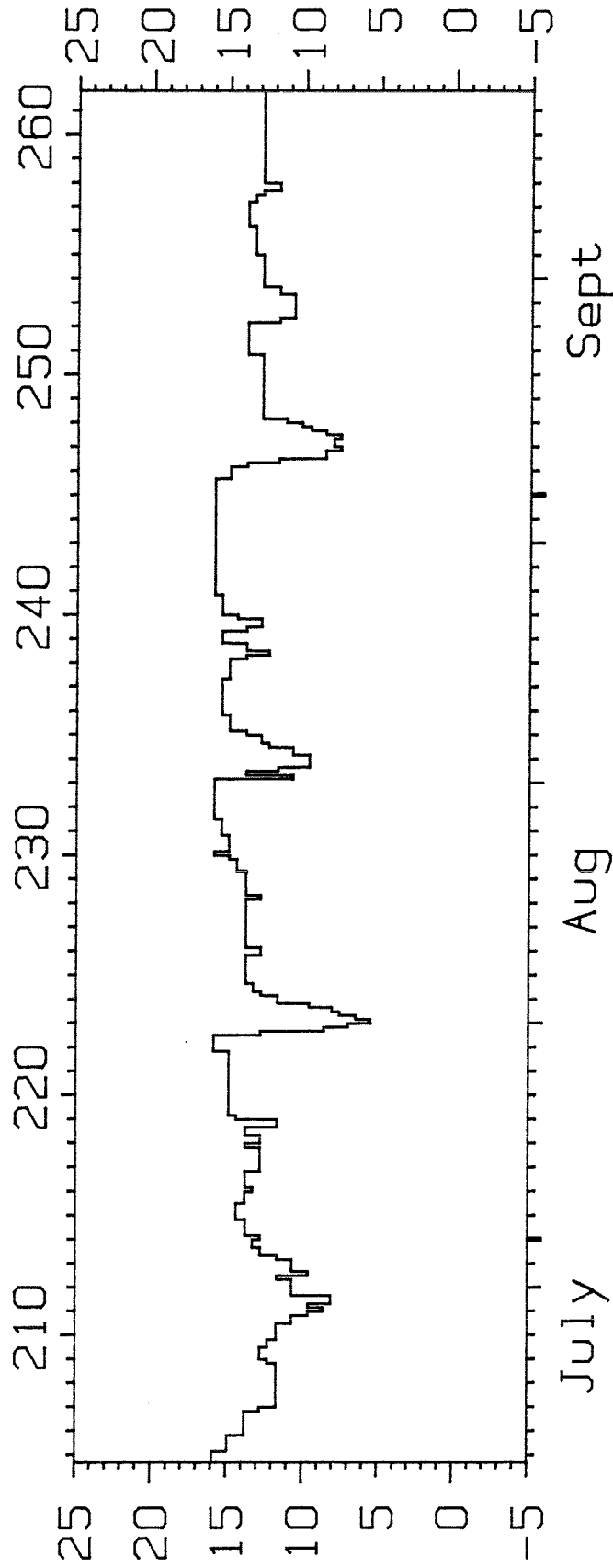
BROAD COVE NFLD

(Page 2)

Pos. : 47.62, 52.88

Depth : 6.8 meters

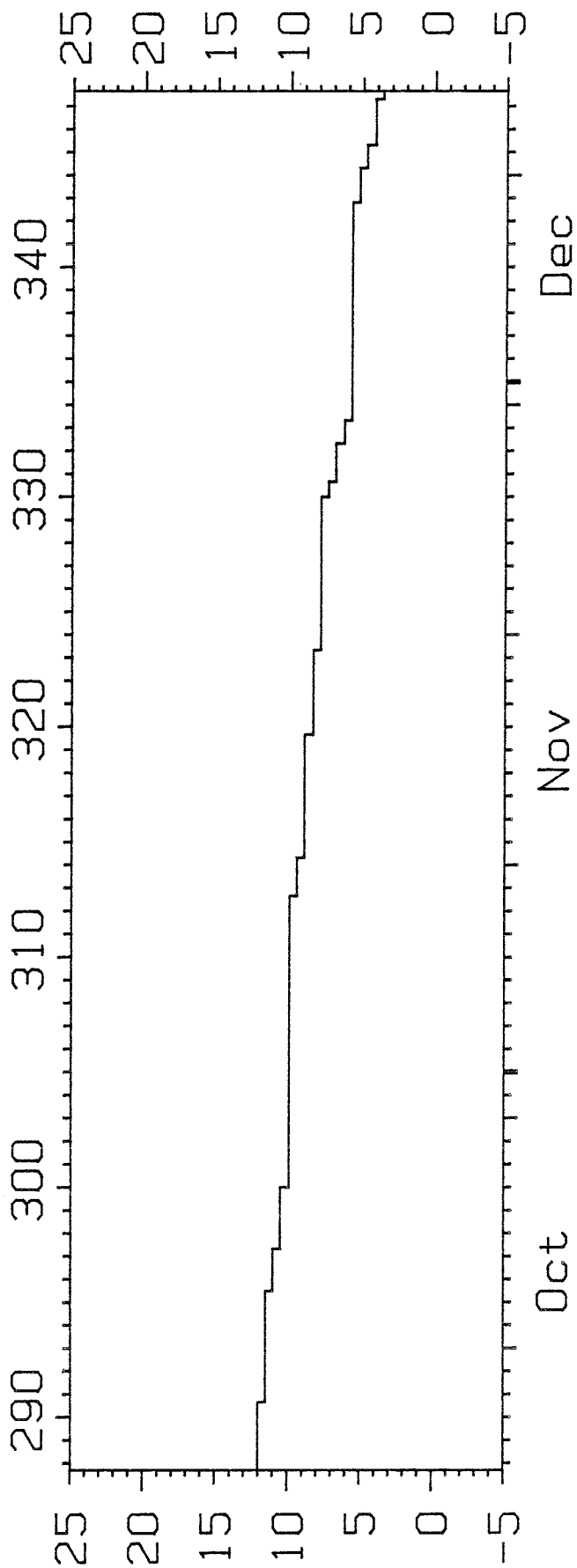
July 22, 1984 16:00 GMT to Sept 17, 1984 20:00 GMT



Instrument : 62540

LOGY BAY NFLD (Page 1)

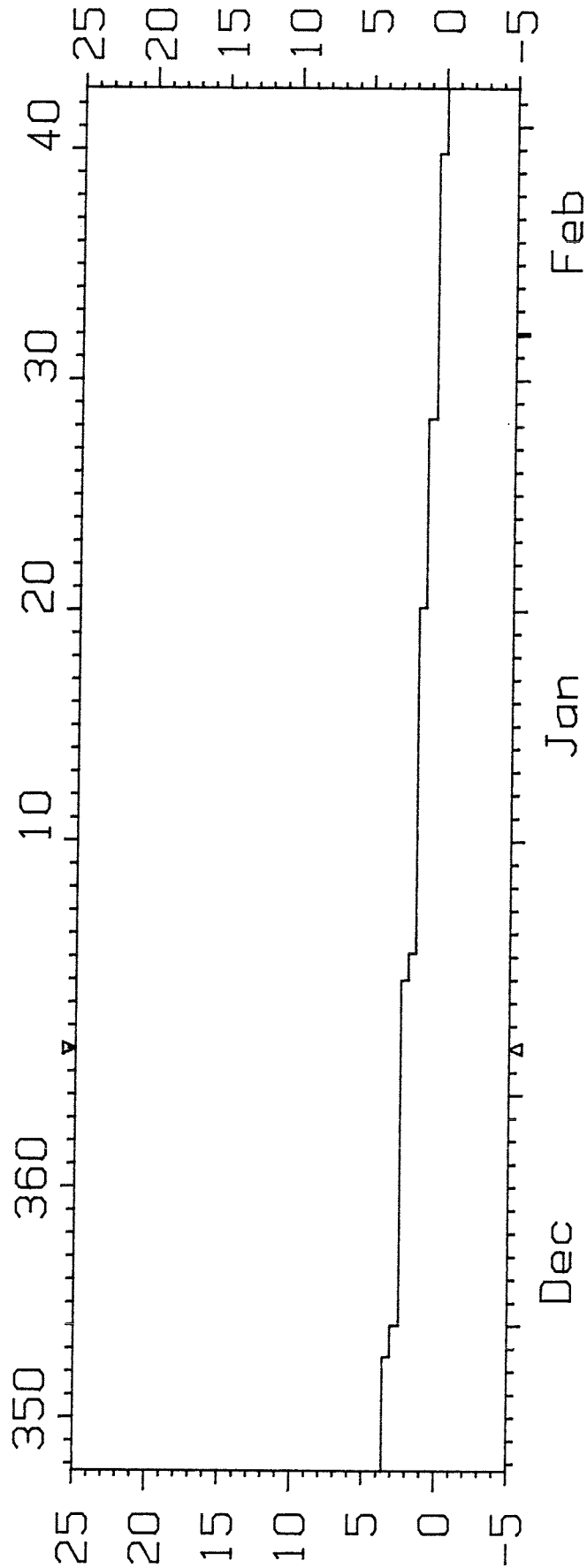
Pos. : 47.58, 52.67 Depth : 8 meters
Oct 14, 1982 16:00 GMT to Dec 13, 1982 16:00 GMT



Instrument : 62482

LOGY BAY NFLD (Page 2)

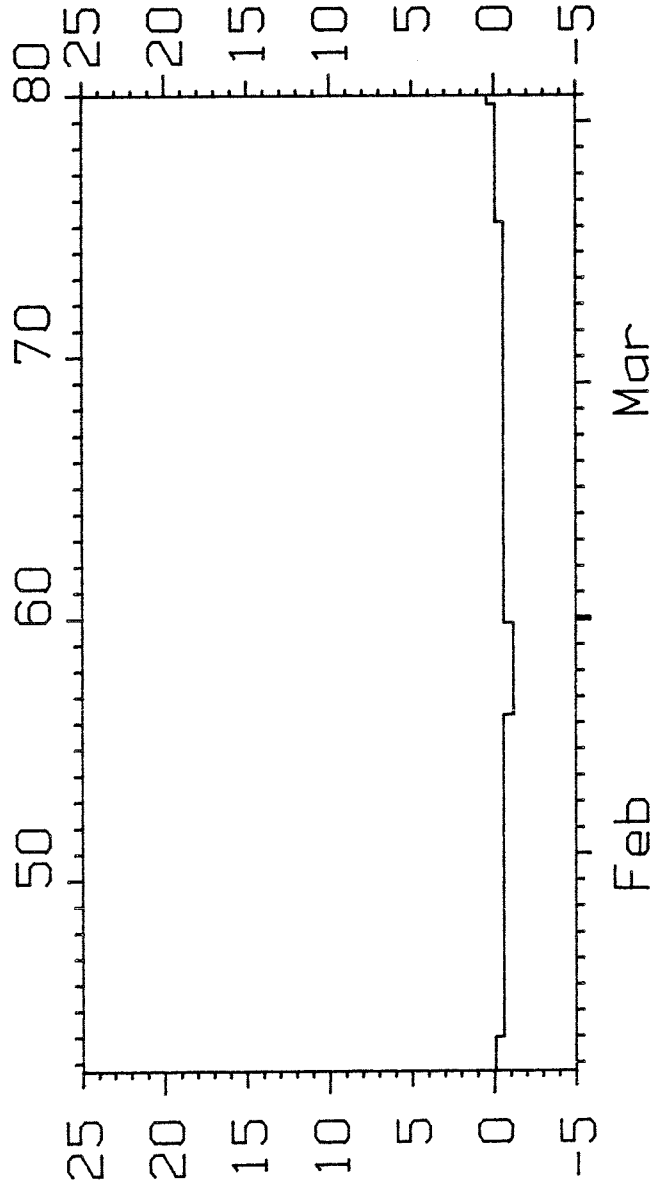
Pos. : 47.58, 52.67 Depth : 8 meters
Dec 13, 1982 16:00 GMT to Feb 11, 1983 16:00 GMT



Instrument : 62482

LOGY BAY NFLD (Page 3)

Pos. : 47.58, 52.67 Depth : 8 meters
Feb 11, 1983 16:00 GMT to Mar 21, 1983 00:00 GMT

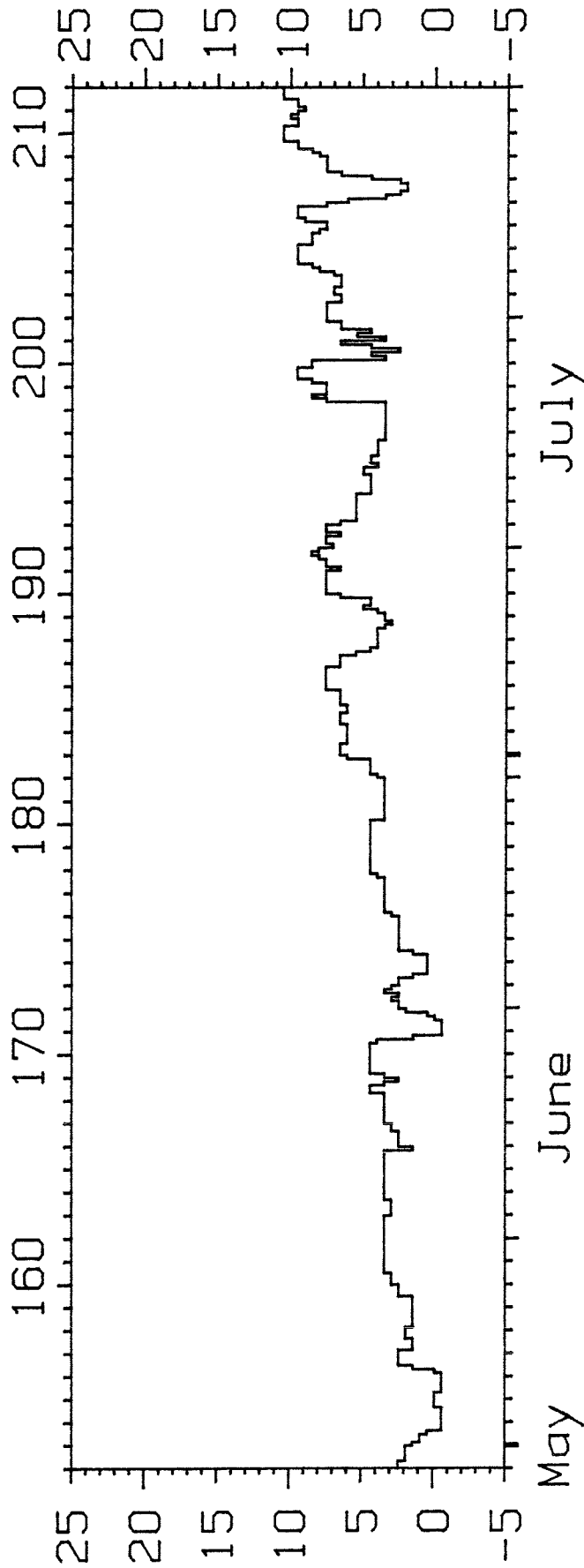


Instrument : 62482

WITLESS BAY NFLD (Page 1)

Pos. : 47.28, 52.82 Depth : 7 meters

May 30, 1984 24:00 GMT to July 30, 1984 00:00 GMT



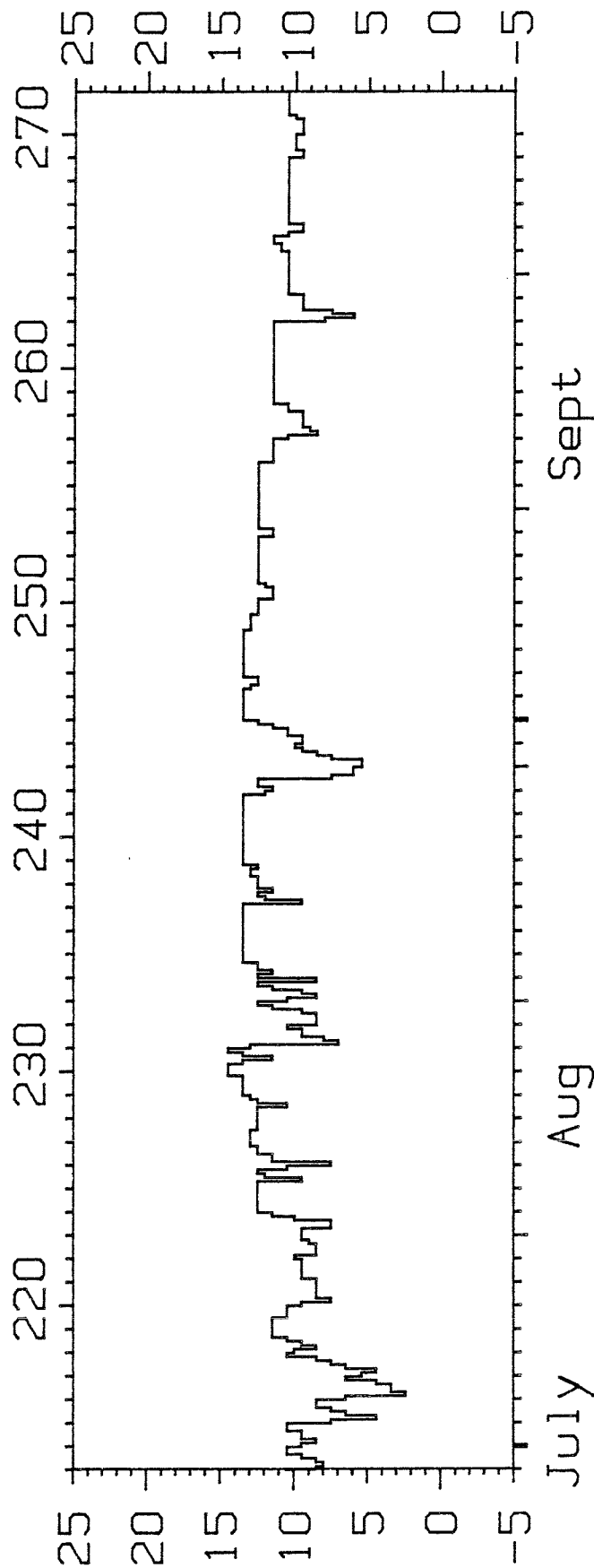
Instrument : 62903

WITLESS BAY NFLD

(Page 2)

Pos. : 47.28, 52.82 Depth : 7 meters

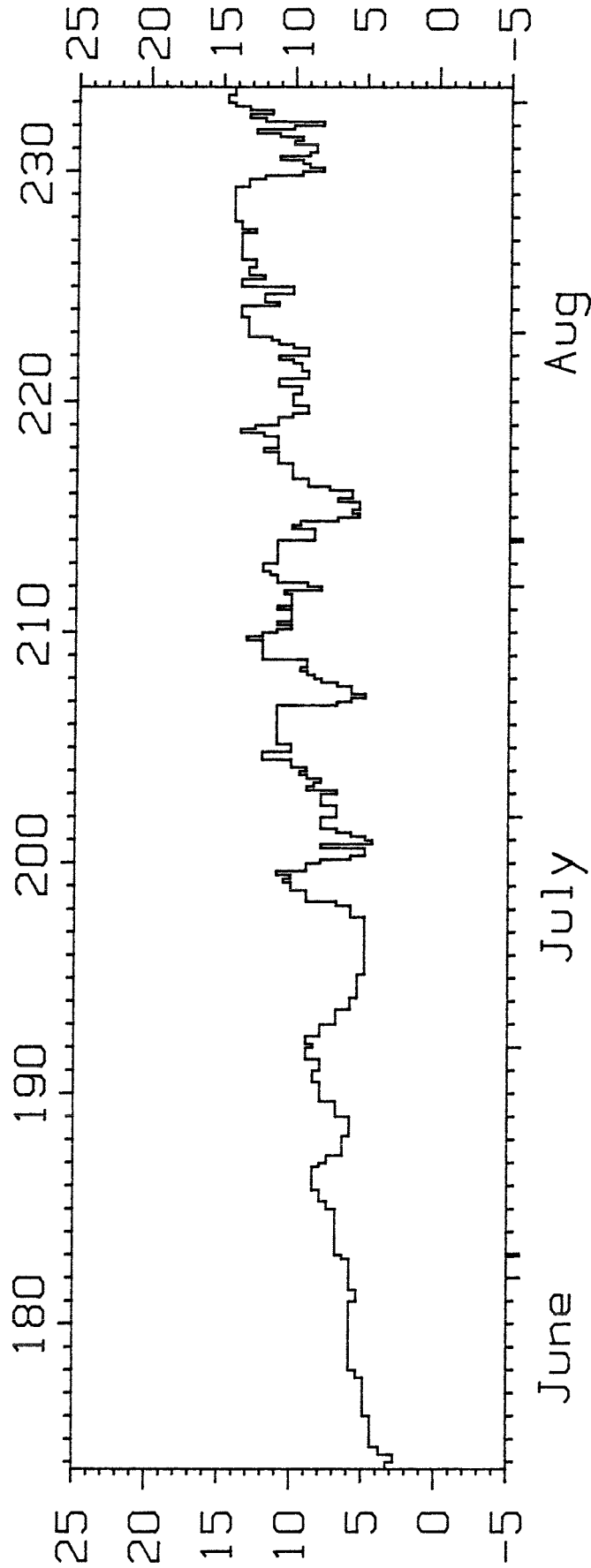
July 30, 1984 00:00 GMT to Sept 26, 1984 20:00 GMT



Instrument : 62903

WITLESS BAY NFLD (Page 1)

Pos. : 47.26, 52.77 Depth : 8 meters
June 21, 1984 16:00 GMT to Aug 20, 1984 16:00 GMT

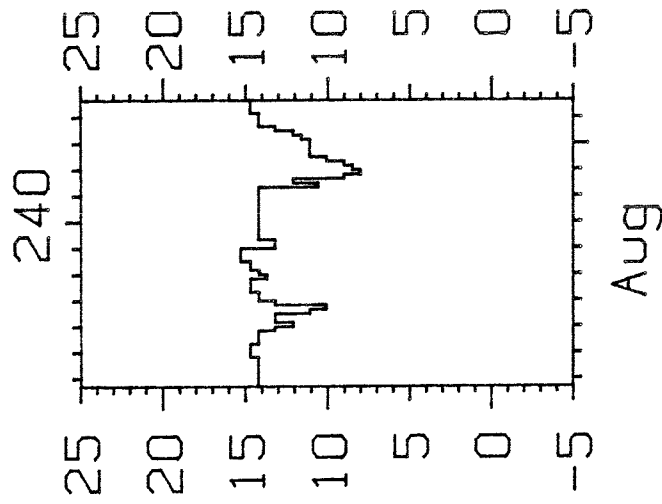


Instrument : 61734

(Page 2)

WITLESS BAY NFLD

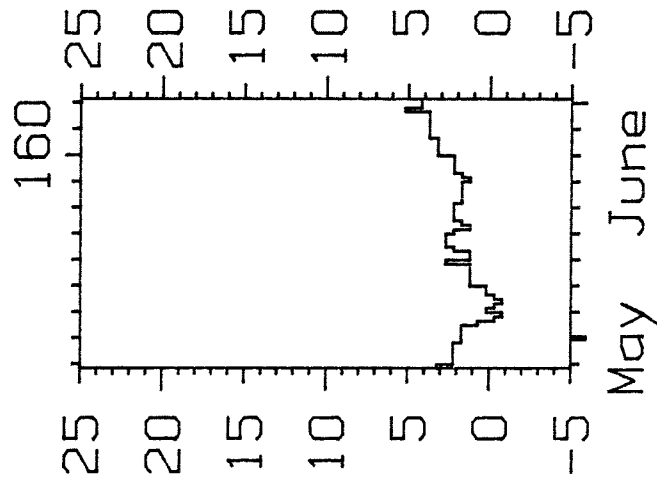
Pos. : 47.26, 52.77 Depth : 8 meters
Aug 20, 1984 16:00 GMT to Aug 31, 1984 16:00 GMT



Instrument : 61734

WITLESS BAY NFLD

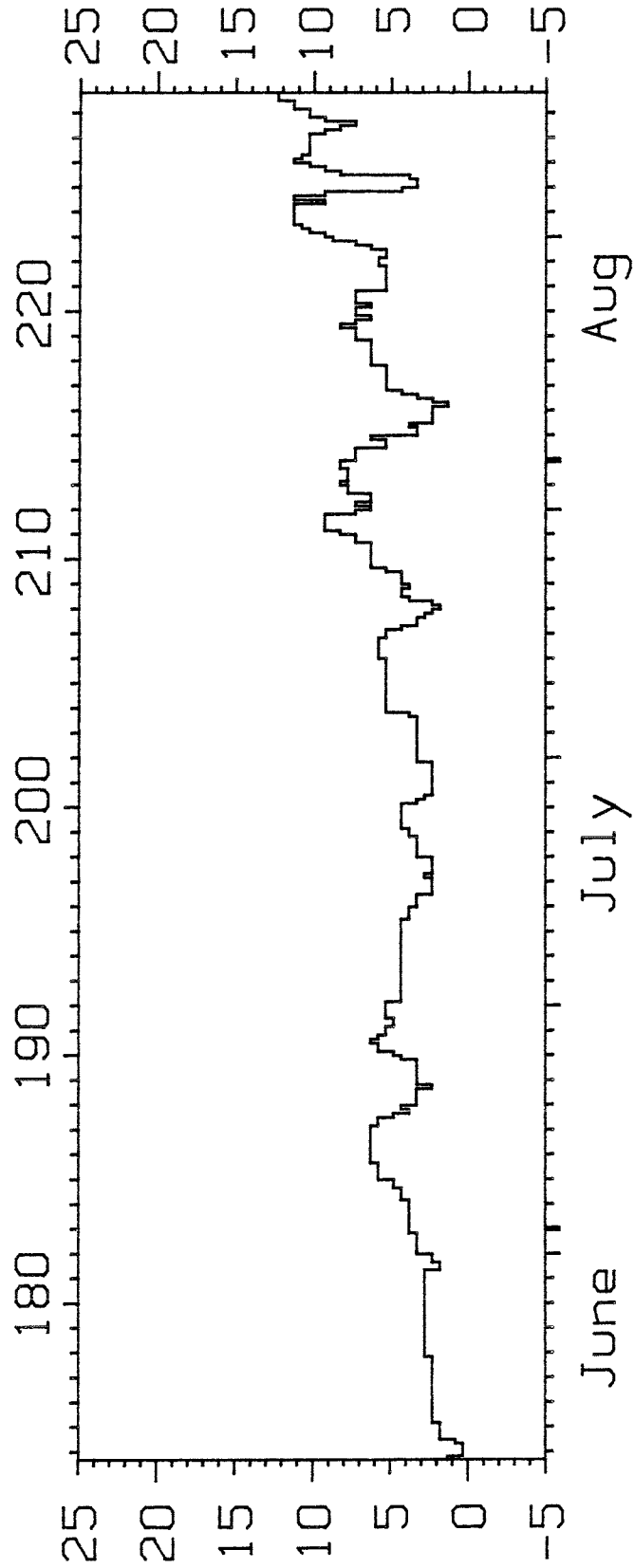
Pos. : 47.27, 52.5 Depth : 1 meters
May 30, 1984 20:00 GMT to June 10, 1984 04:00 GMT



Instrument : 60753

LANCE COVE NFLD

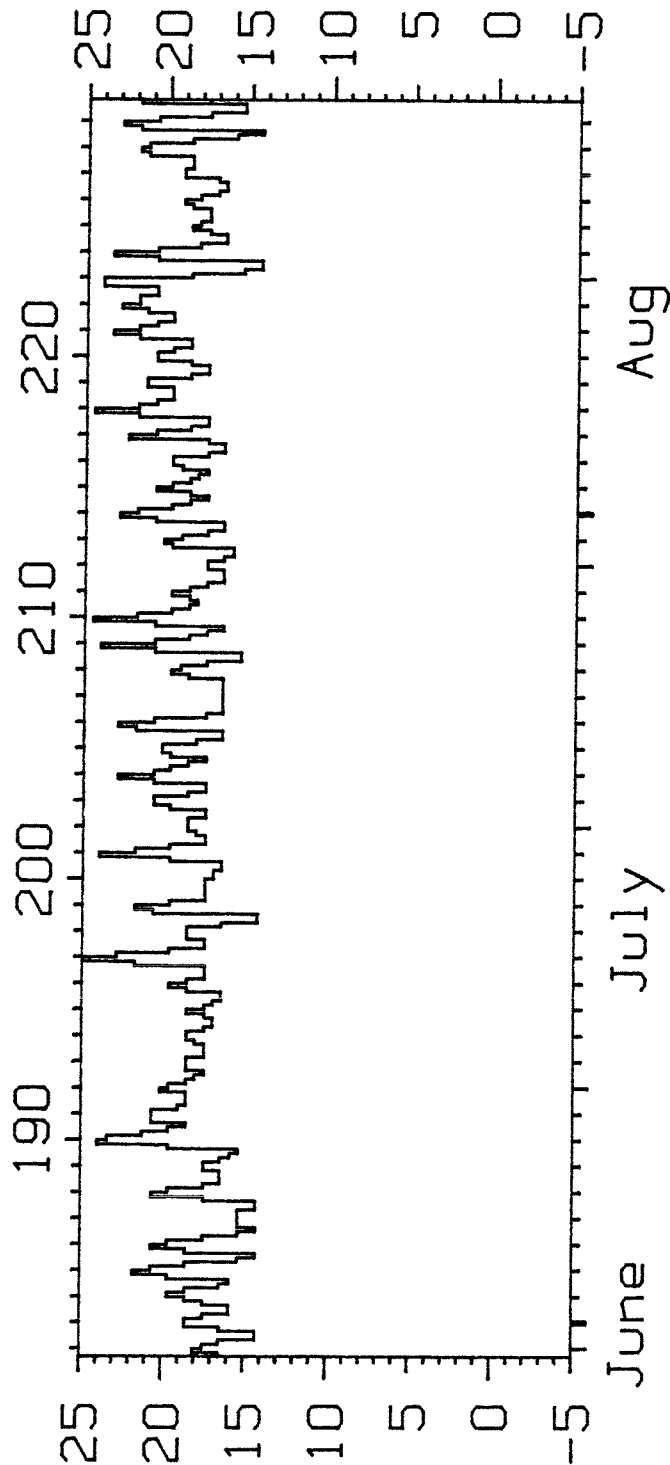
Pos. : 47.08, 52.89 Depth : 10 meters
June 21, 1984 16:00 GMT to Aug 15, 1984 20:00 GMT



Instrument : 62905

BISCAY BAY RIVER NFLD

Pos. : 46.77, 53.28 Depth : 1 meters
June 29, 1984 16:00 GMT to Aug 16, 1984 20:00 GMT

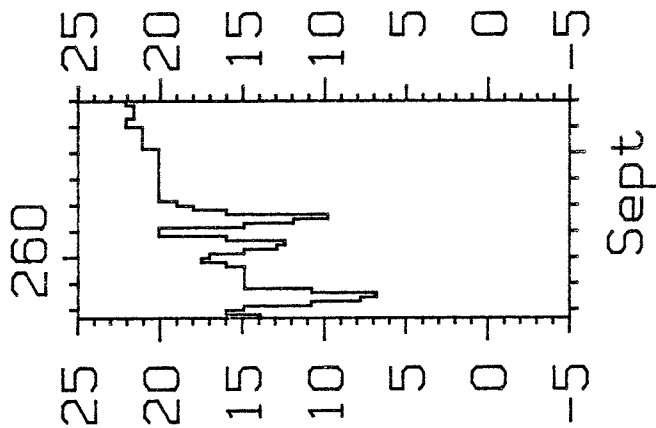


Instrument : 63342

NORTH EAST TREPASSEY RIVER NFLD

Pos. : 46.76, 53.35 Depth : .5 meters

Sept 13, 1984 16:00 GMT to Sept 22, 1984 00:00 GMT

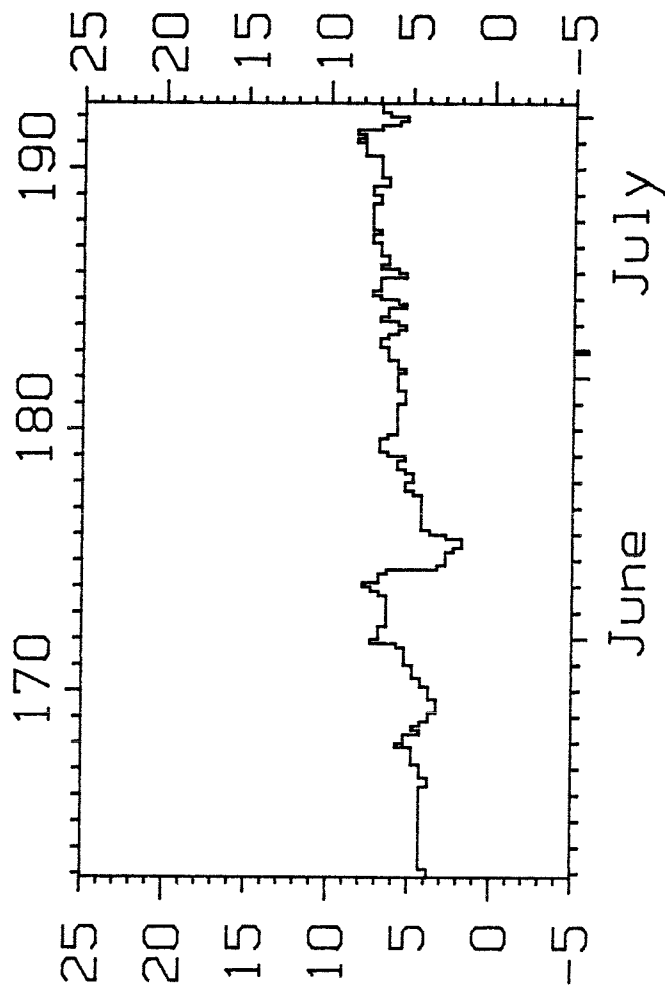


Instrument : 63346

OFF CAPE MUTTON TREPASSEY BAY NFLD

Pos. : 46.77, 53.35 Depth : 1 meters

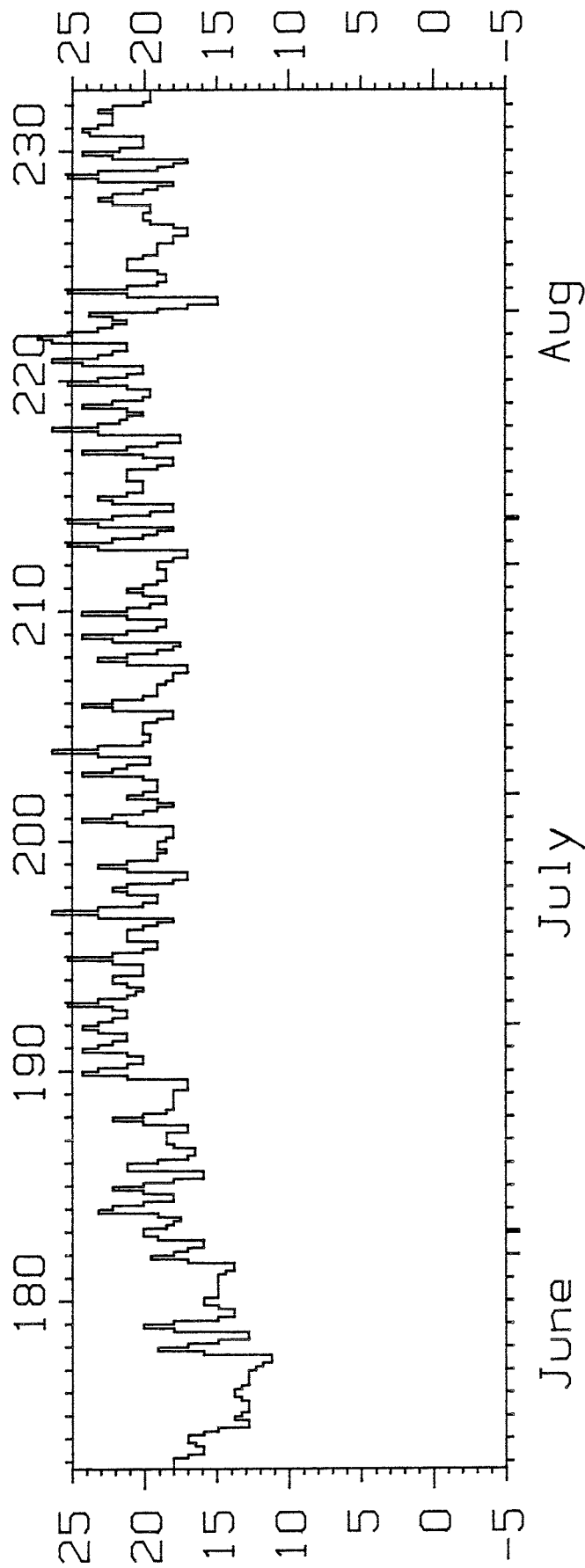
June 10, 1984 20:00 GMT to July 10, 1984 12:00 GMT



Instrument : 61615

N E RIVER PLACENTIA BAY NFLD (Page 1)

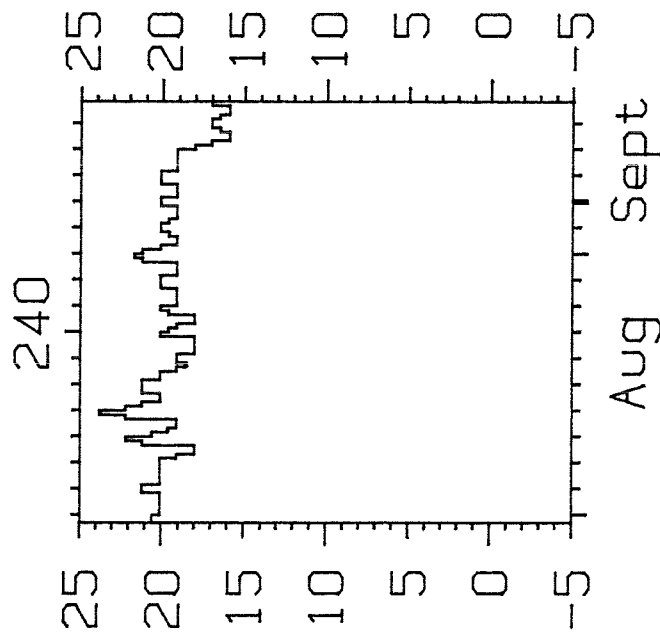
Pos. : 47.29, 53.79 Depth : 1 meters
June 20, 1984 16:00 GMT to Aug 19, 1984 16:00 GMT



Instrument : 61638

N E RIVER PLACENTIA BAY NFLD (Page 2)

Pos. : 47.29, 53.79 Depth : 1 meters
Aug 19, 1984 16:00 GMT to Sept 4, 1984 20:00 GMT

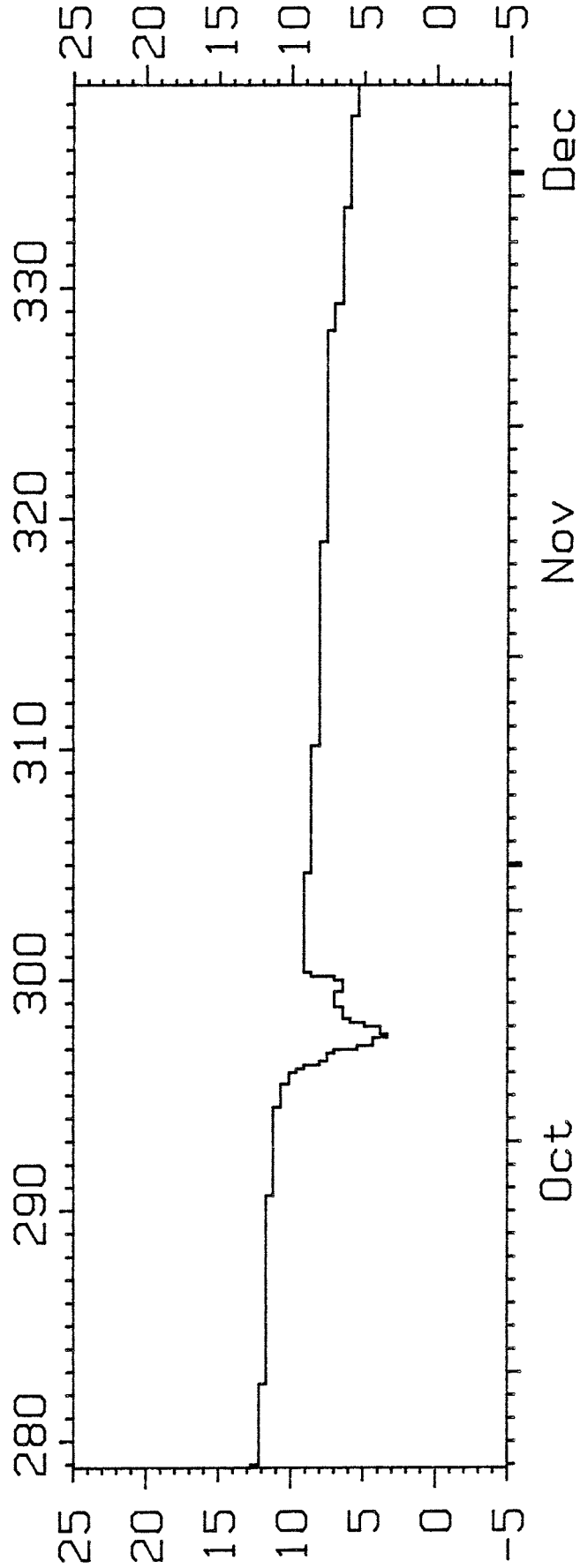


Instrument : 61638

(Page 1)

SHAG ROCKS NFLD

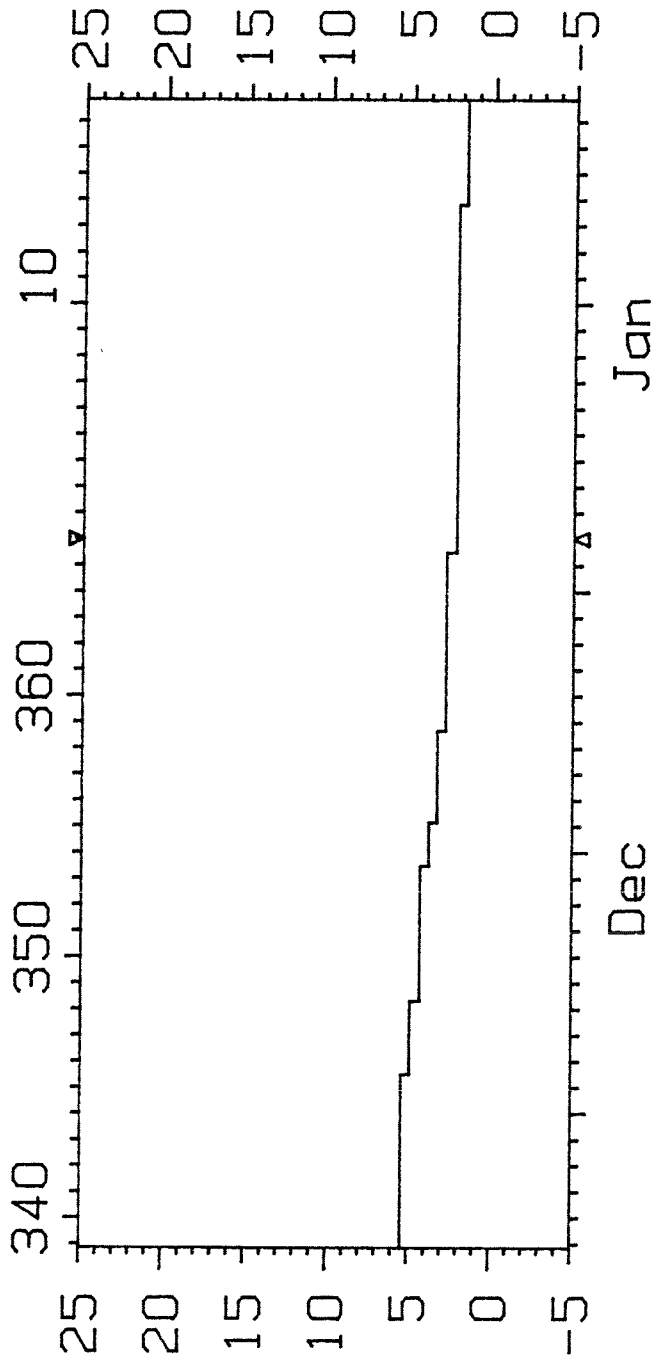
Pos. : 47.42, 53.83 Depth : 9 meters
Oct 5, 1983 20:00 GMT to Dec 4, 1983 20:00 GMT



Instrument : 62500

SHAG ROCKS NFLD (Page 2)

Pos. : 47.42, 53.83 Depth : 9 meters
Dec 4, 1983 20:00 GMT to Jan 17, 1984 20:00 GMT



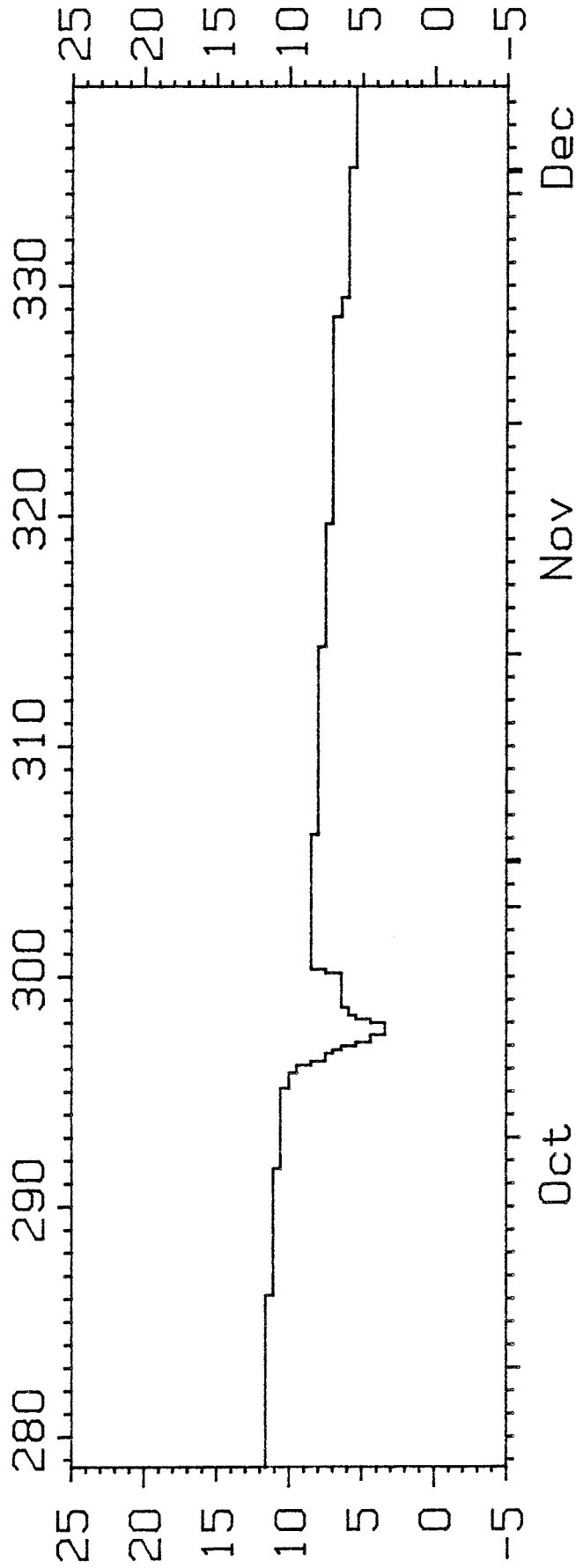
Instrument : 62500

SHAG ROCKS NFLD

(Page 1)

Pos. : 47.42, 53.83 Depth : 9.1 meters

Oct 5, 1983 16:00 GMT to Dec 4, 1983 16:00 GMT

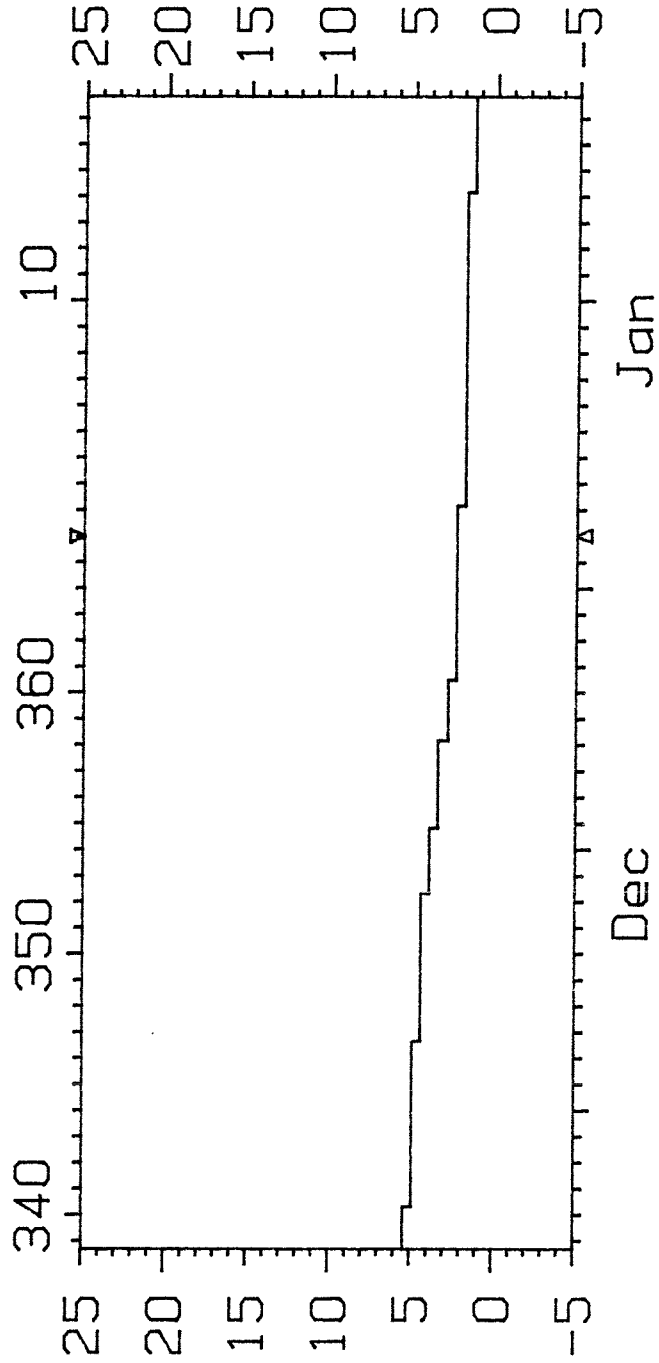


Instrument : 62889

SHAG ROCKS NFLD

(Page 2)

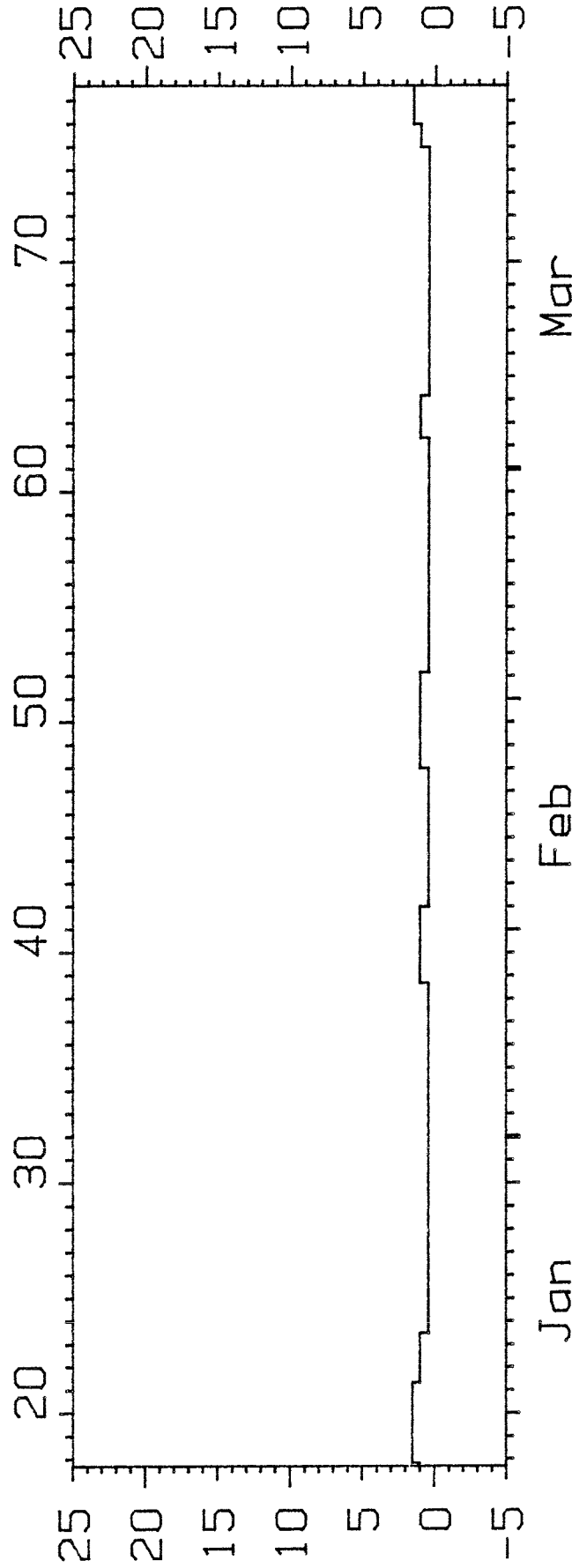
Pos. : 47.42, 53.83 Depth : 9.1 meters
Dec 4, 1983 16:00 GMT to Jan 17, 1984 20:00 GMT



Instrument : 62889

SHAG ROCKS NFLD (Page 1)

Pos. : 47.42, 53.83 Depth : 9 meters
Jan 17, 1984 16:00 GMT to Mar 17, 1984 16:00 GMT

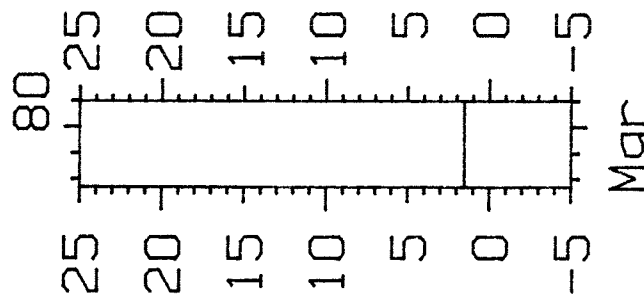


Instrument : 62462

SHAG ROCKS NFLD

(Page 2)

Pos. : 47.42, 53.83 Depth : 9 meters
Mar 17, 1984 16:00 GMT to Mar 21, 1984 00:00 GMT

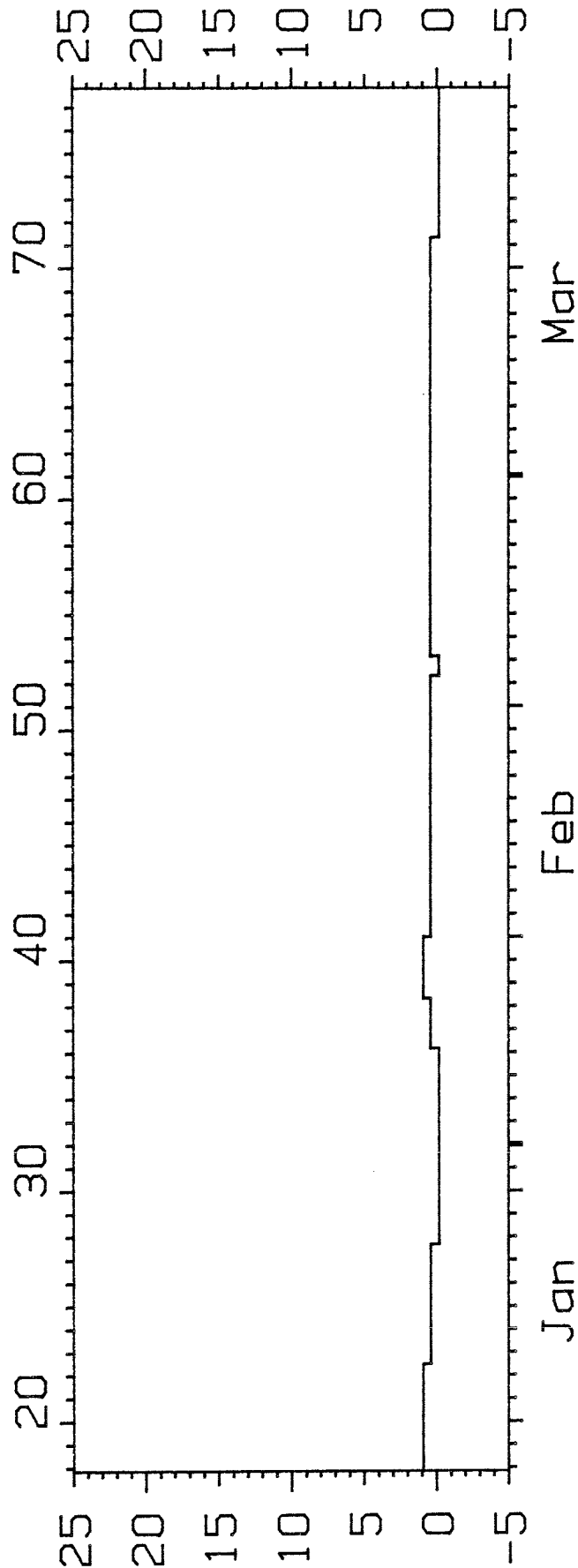


Instrument : 62462

SHAG ROCKS NFLD

(Page 1)

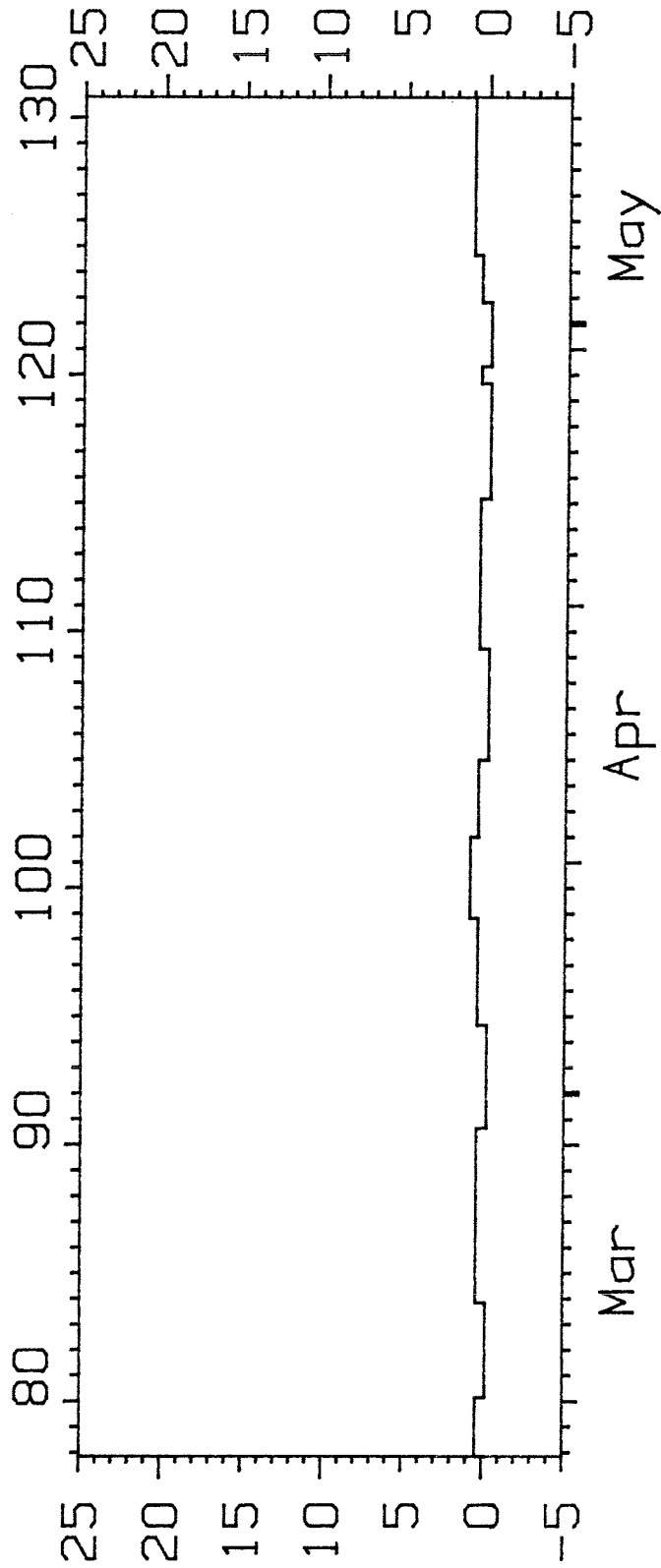
Pos. : 47.42, 53.83 Depth : 9 meters
Jan 17, 1984 20:00 GMT to Mar 17, 1984 20:00 GMT



Instrument : 62494

SHAG ROCKS NFLD (Page 2)

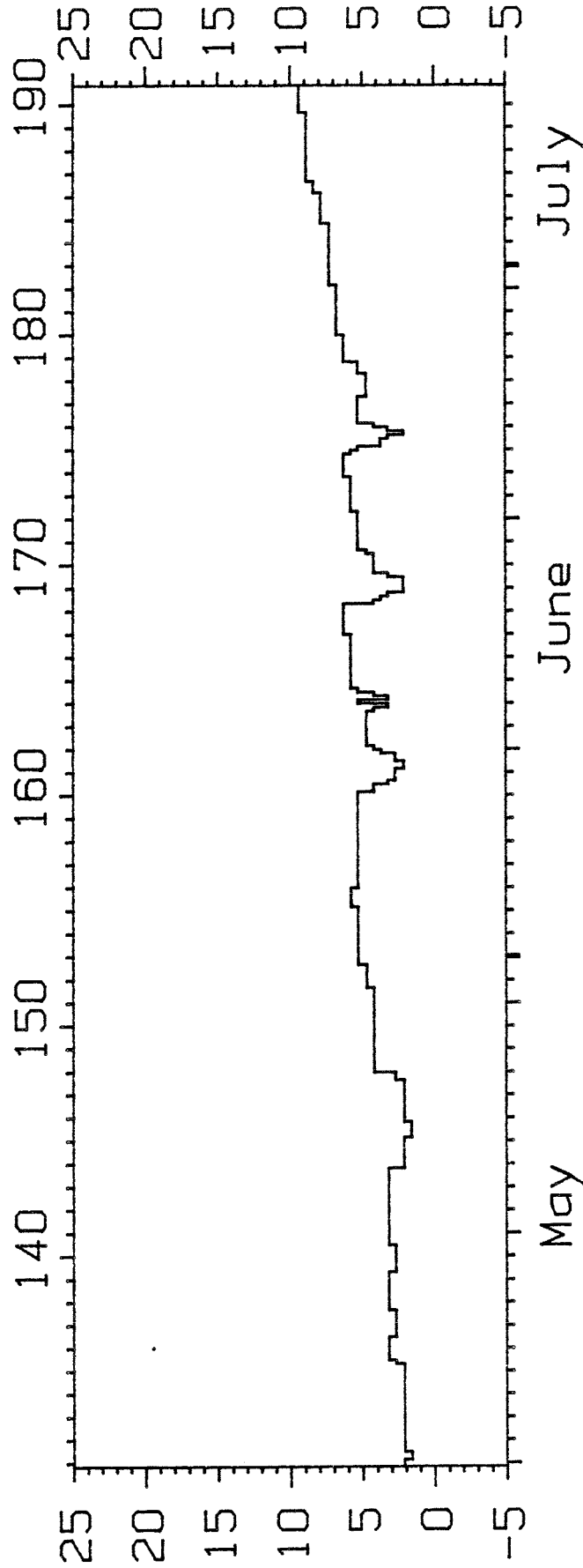
Pos. : 47.42, 53.83 Depth : 9 meters
Mar 17, 1984 20:00 GMT to May 9, 1984 20:00 GMT



Instrument : 62494

SHAG ROCKS NFLD (Page 1)

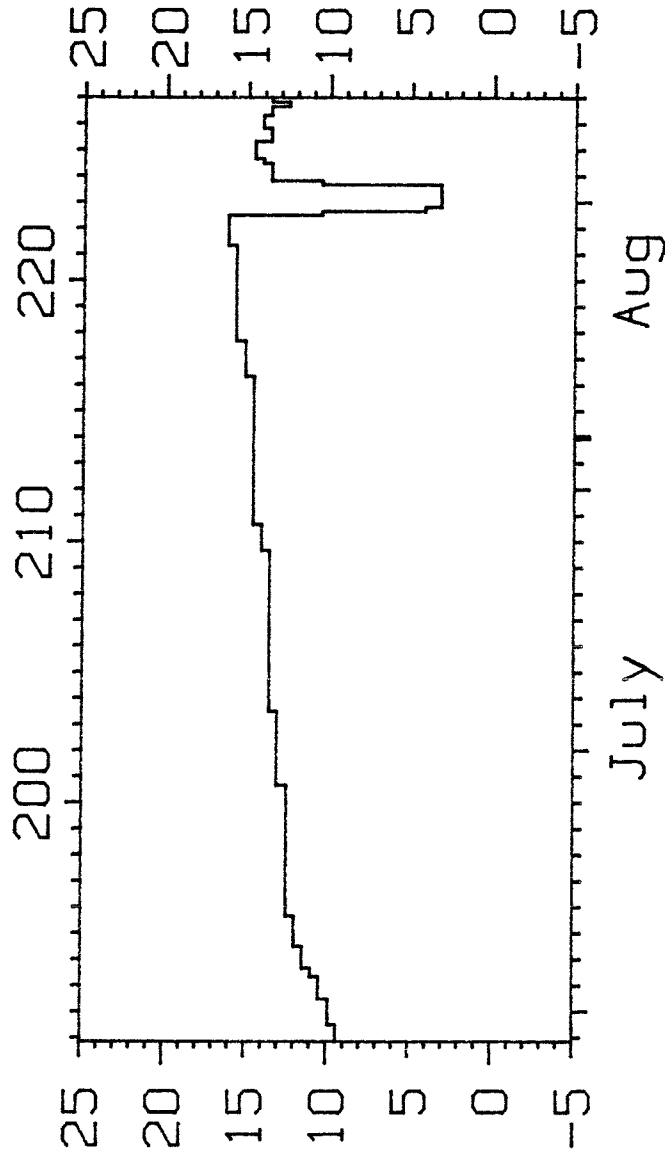
Pos. : 47.42, 53.83 Depth : 9 meters
May 9, 1984 20:00 GMT to July 8, 1984 20:00 GMT



Instrument : 61651

SHAG ROCKS NFLD (Page 2)

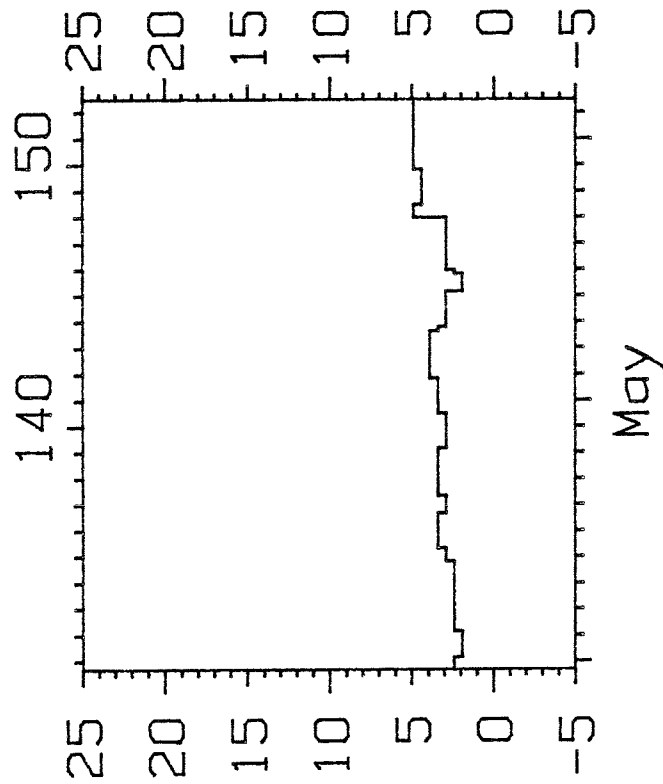
Pos. : 47.42, 53.83 Depth : 9 meters
July 8, 1984 20:00 GMT to Aug 14, 1984 00:00 GMT



Instrument : 61651

SHAG ROCKS NFLD

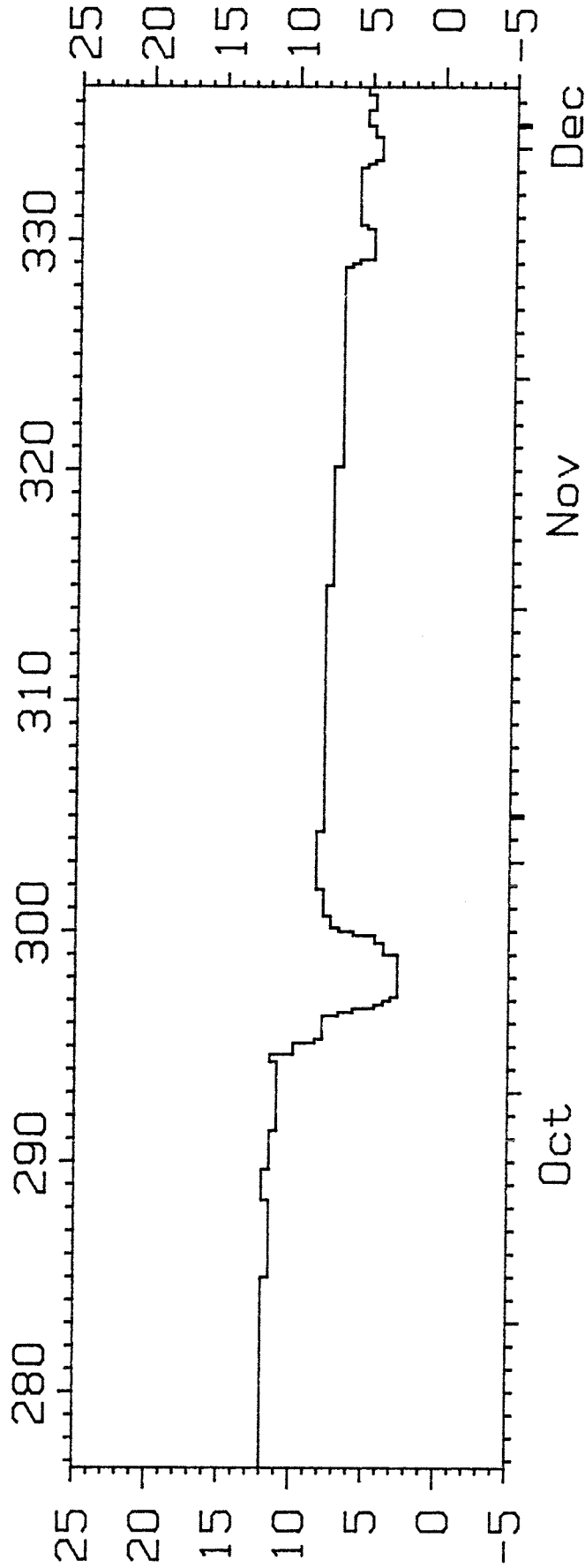
Pos. : 47.42, 53.83 Depth : 9 meters
May 9, 1984 16:00 GMT to May 31, 1984 12:00 GMT



Instrument : 61634

ARNOLDS COVE NFLD (Page 1)

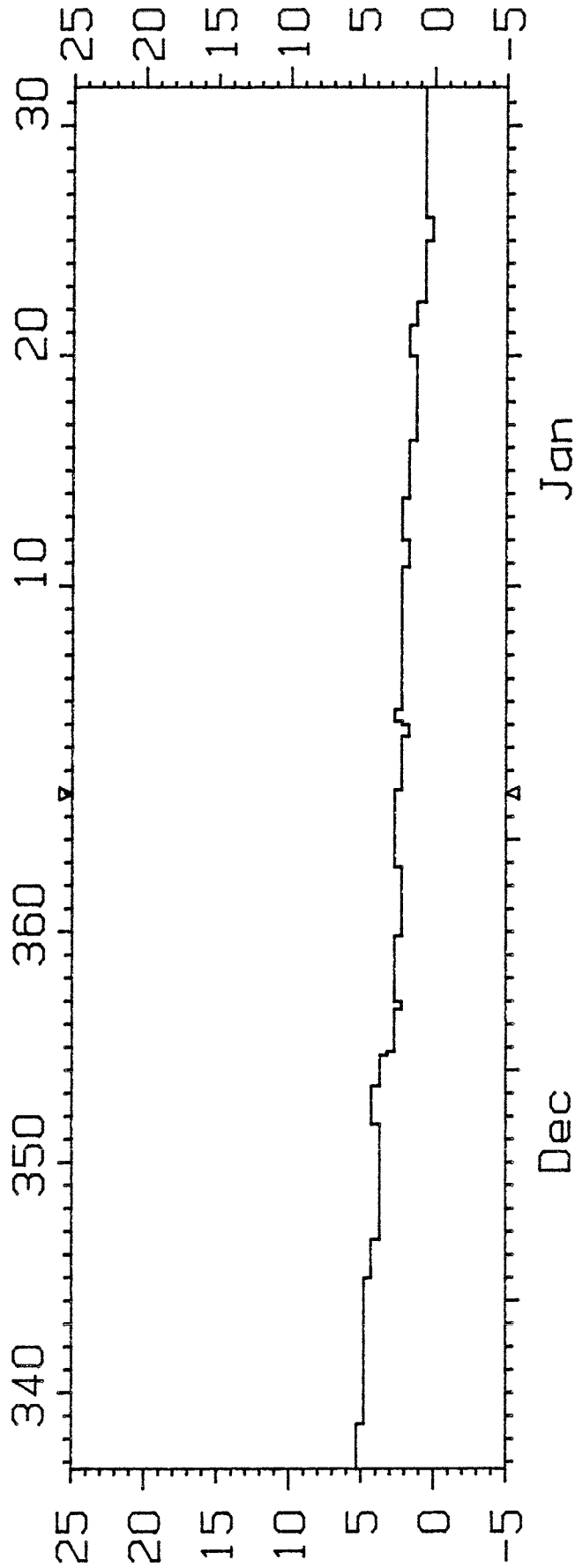
Pos. : 47.75, 54 Depth : 9 meters
Oct 3, 1983 16:00 GMT to Dec 2, 1983 16:00 GMT



Instrument : 61665

ARNOLDS COVE NFLD (Page 2)

Pos. : 47.75, 54 Depth : 9 meters
Dec 2, 1983 16:00 GMT to Jan 31, 1984 16:00 GMT

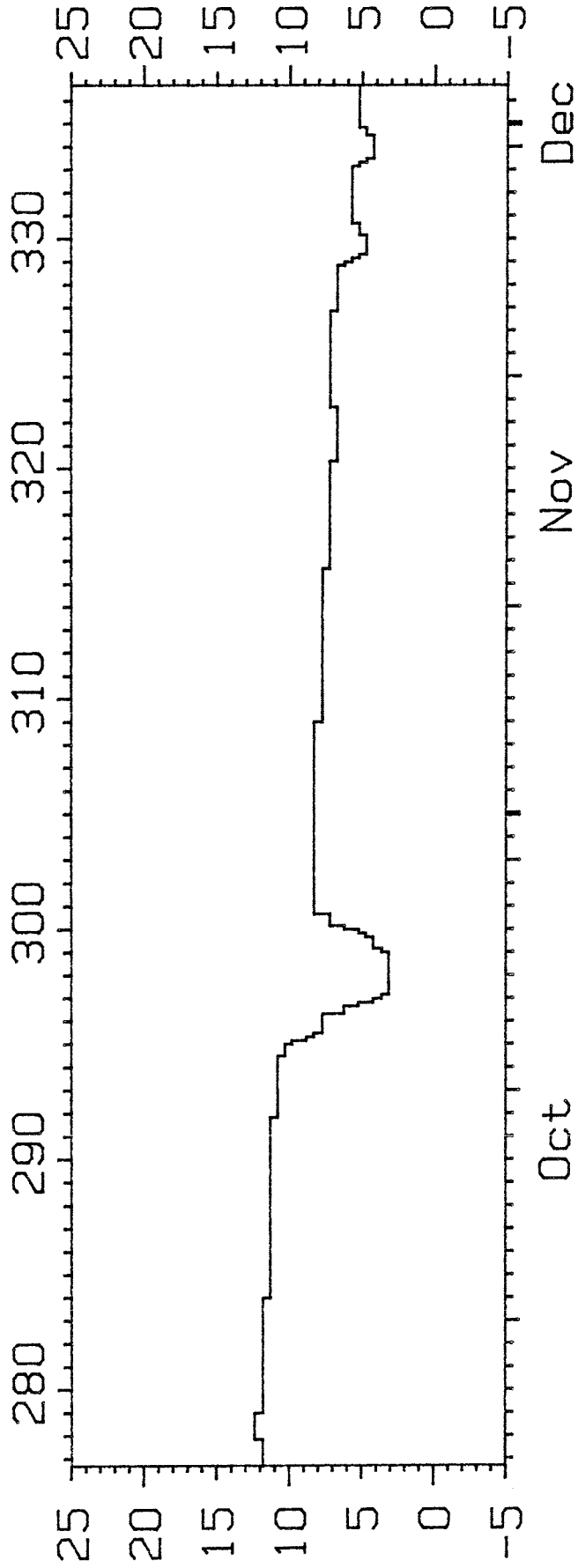


Instrument : 61665

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ARNOLDS COVE NFLD (Page 1)

Pos. : 47.75, 54 Depth : 9 meters
Oct 3, 1983 16:00 GMT to Dec 2, 1983 16:00 GMT

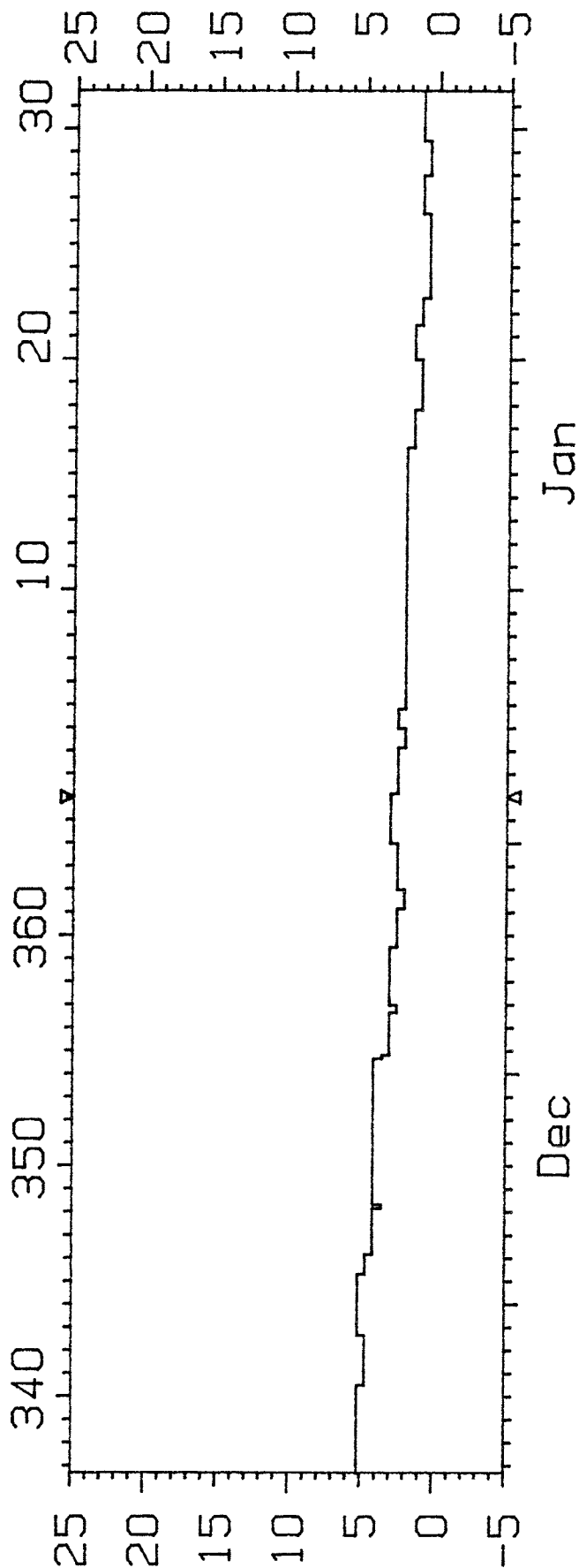


Instrument : 62911

(Page 2)

ARNOLDS COVE NFLD

Pos. : 47.75, 54 Depth : 9 meters
Dec 2, 1983 16:00 GMT to Jan 31, 1984 16:00 GMT

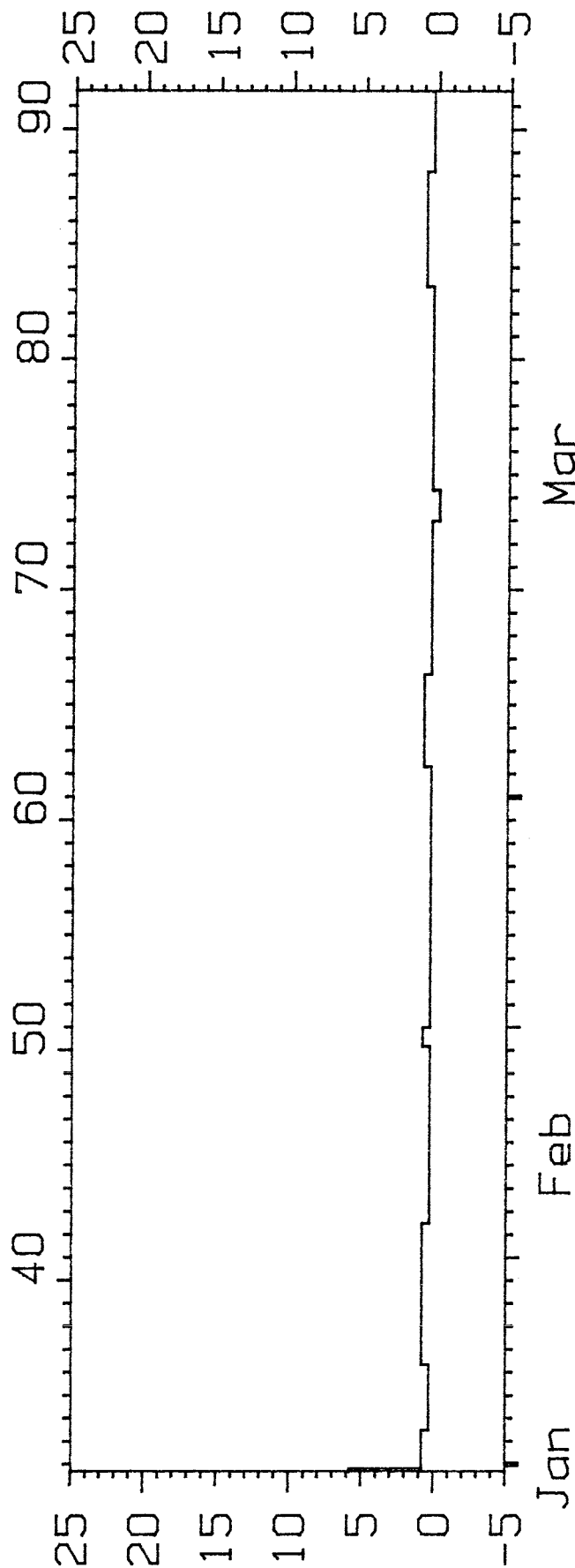


Instrument : 62911

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ARNOLDS COVE NFLD (Page 1)

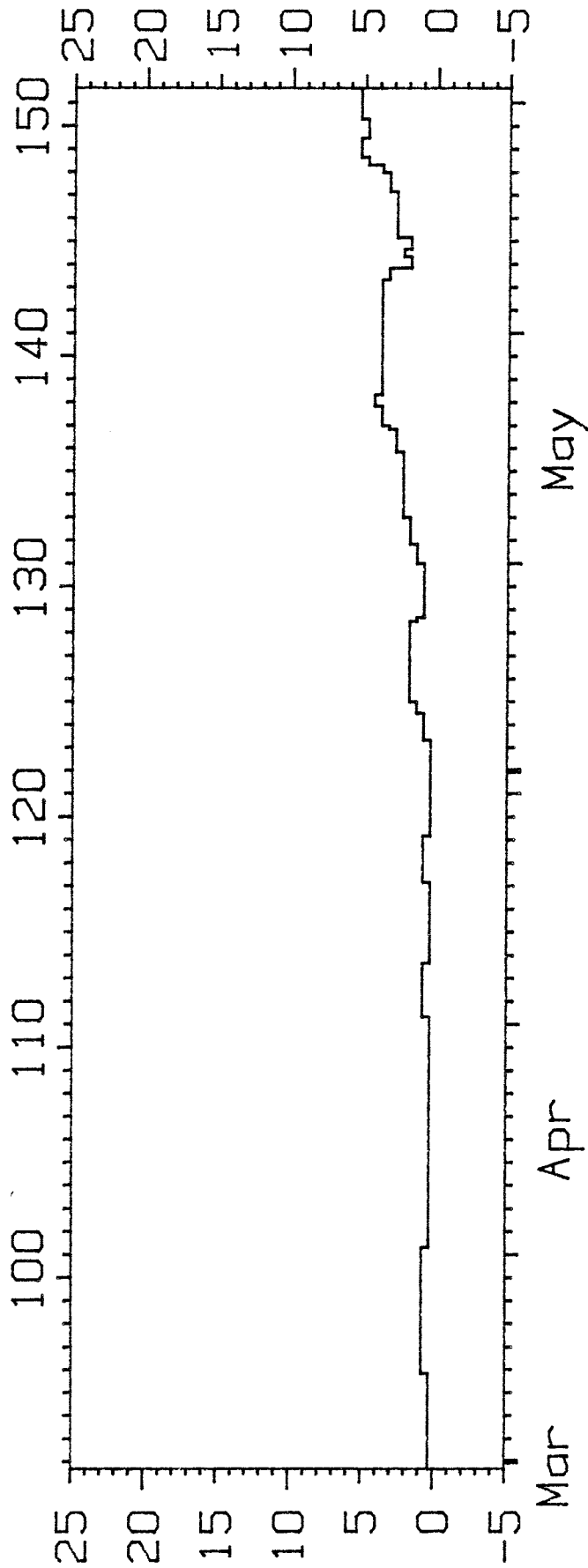
Pos. : 47.75, 54 Depth : 9 meters
Jan 31, 1984 16:00 GMT to Mar 31, 1984 16:00 GMT



Instrument : 62902

ARNOLDS COVE NFLD (Page 2)

Pos. : 47.75, 54 Depth : 9 meters
Mar 31, 1984 16:00 GMT to May 30, 1984 16:00 GMT



Instrument : 62902

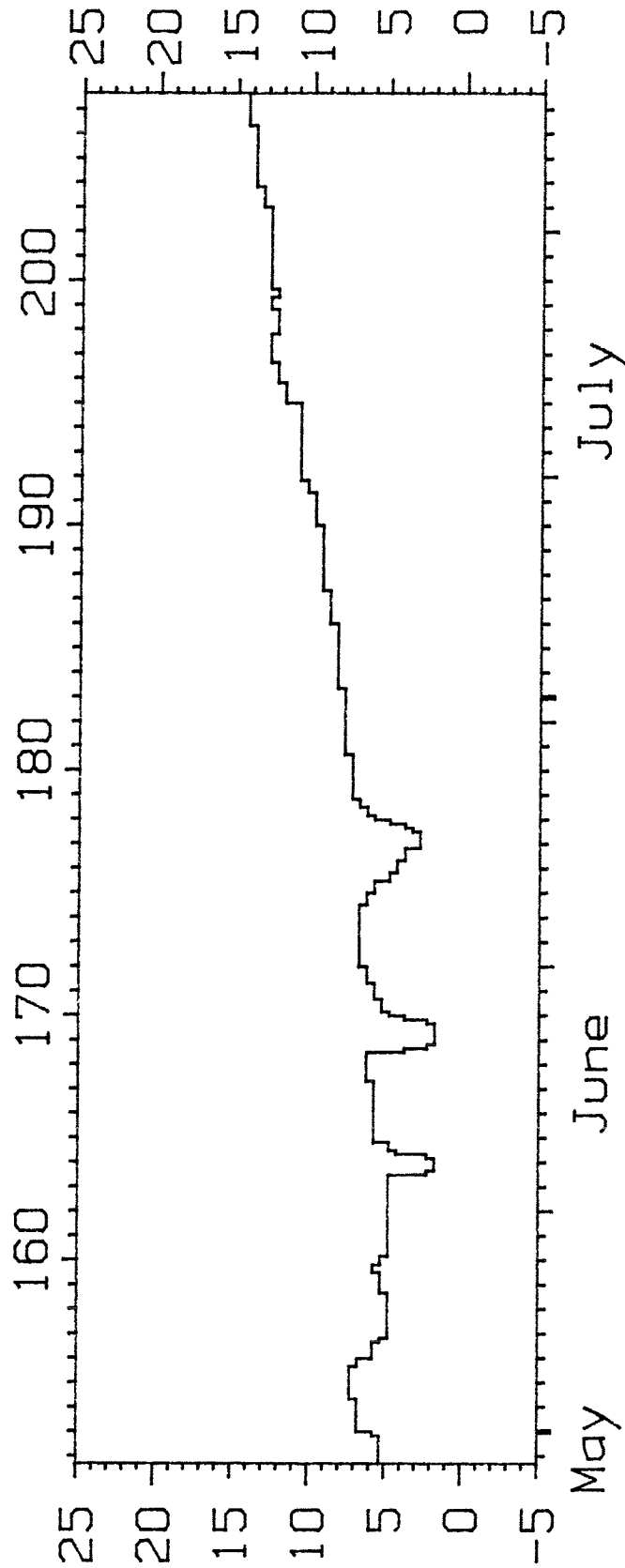
(Page 3)

ARNOLDS COVE NFLD

Pos. : 47.75, 54

Depth : 9 meters

May 30, 1984 16:00 GMT to July 25, 1984 16:00 GMT



Instrument : 62902

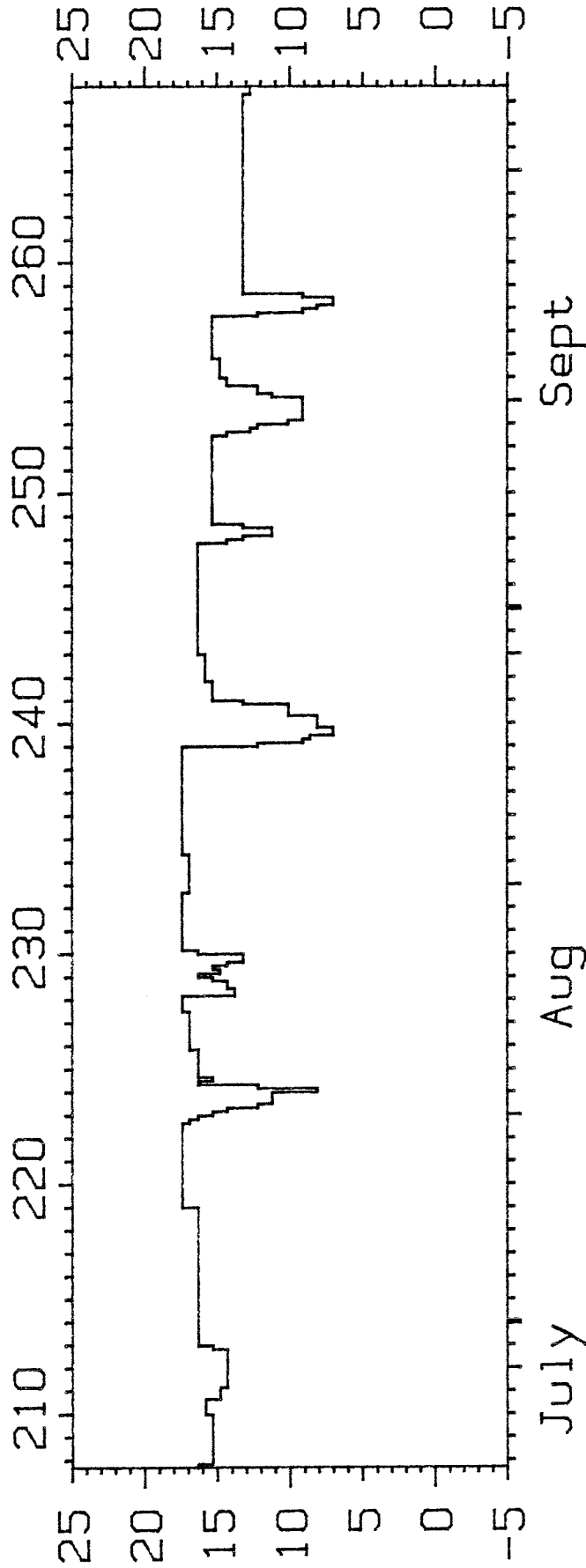
(Page 1)

ARNOLDS COVE NFLD

Pos. : 47.75, 54

Depth : 9 meters

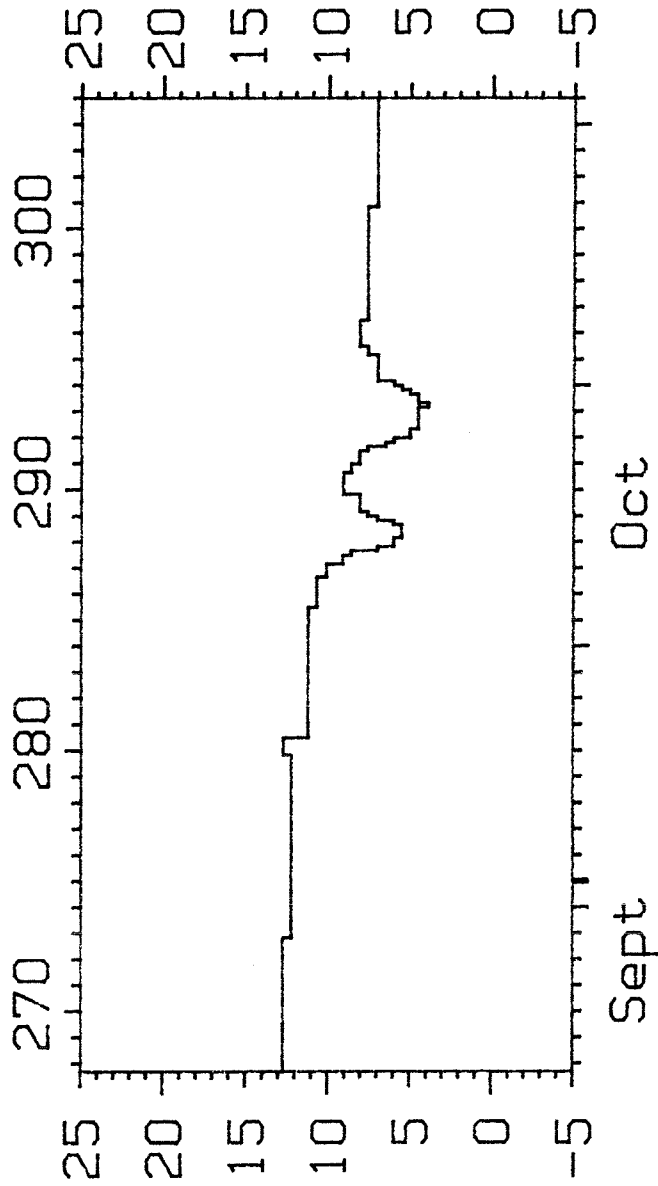
July 25, 1984 16:00 GMT to Sept 23, 1984 16:00 GMT



Instrument : 63303

ARNOLDS COVE NFLD (Page 2)

Pos. : 47.75, 54 Depth : 9 meters
Sept 23, 1984 16:00 GMT to Oct 31, 1984 00:00 GMT



Instrument : 63303

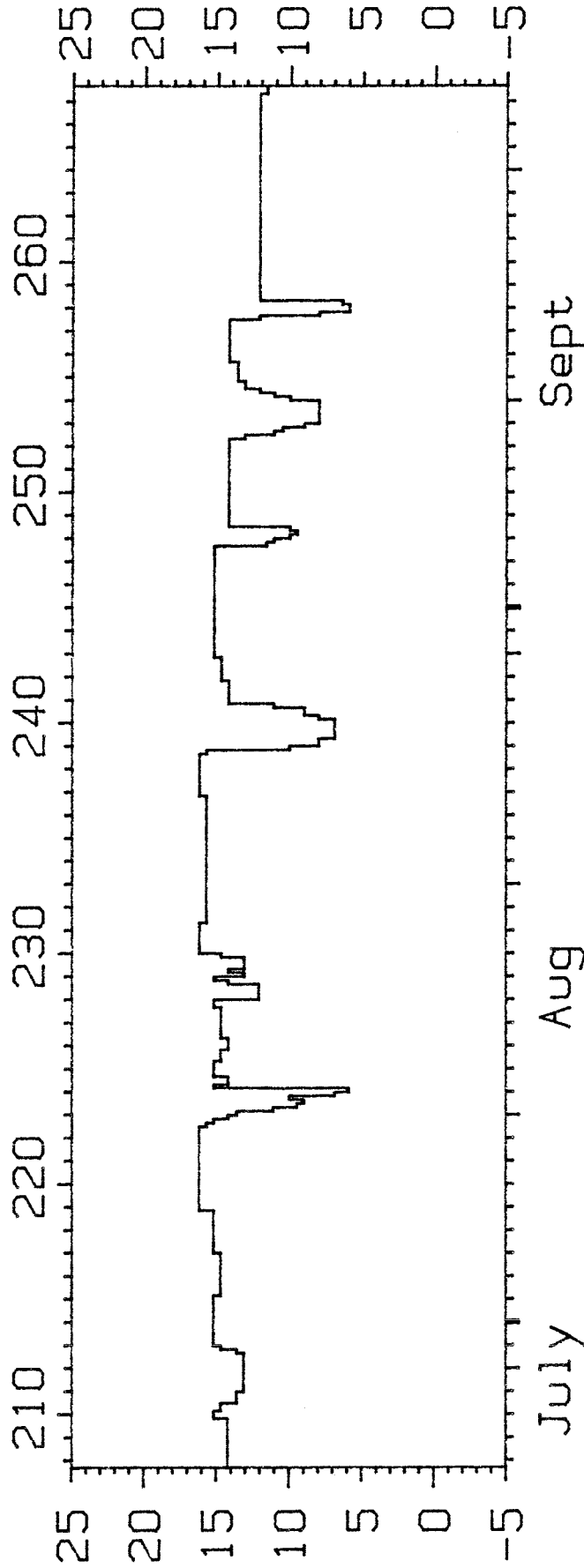
(Page 1)

ARNOLDS COVE NFLD

Pos. : 47.75, 54

Depth : 9 meters

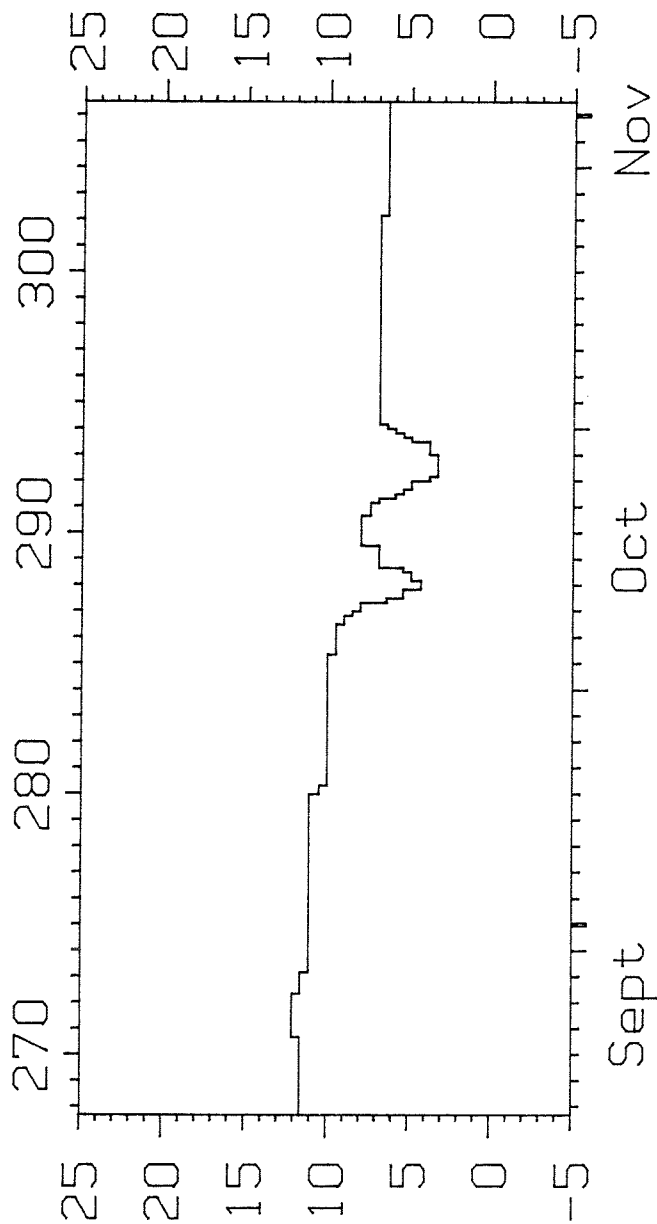
July 25, 1984 16:00 GMT to Sept 23, 1984 16:00 GMT



Instrument : 60908

ARNOLDS COVE NFLD (Page 2)

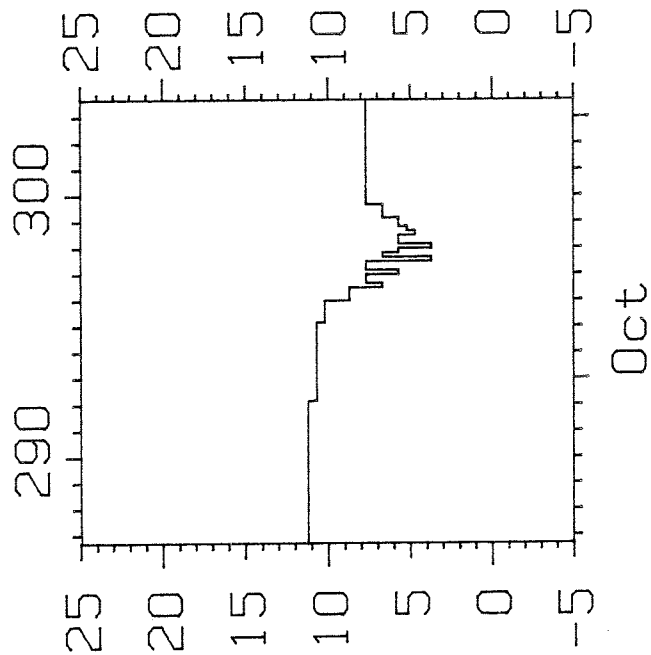
Pos. : 47.75, 54 Depth : 9 meters
Sept 23, 1984 16:00 GMT to Nov 1, 1984 12:00 GMT



Instrument : 60908

GARDEN COVE NFLD

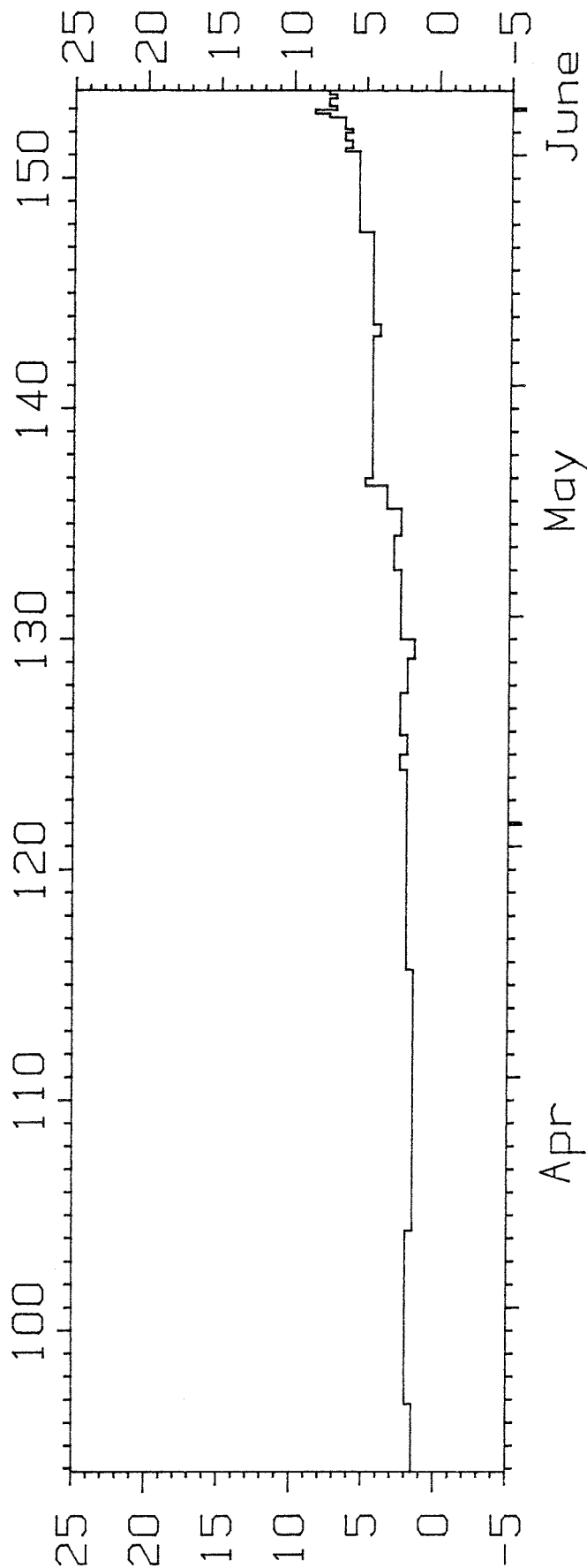
Pos. : 47.84, 54.16 Depth : 10 meters
Oct 13, 1983 16:00 GMT to Oct 30, 1983 16:00 GMT



Instrument : 62919

GARDEN COVE NFLD (Page 1)

Pos. : 47.84, 54.16 Depth : 10 meters
Apr 2, 1984 20:00 GMT to June 1, 1984 20:00 GMT



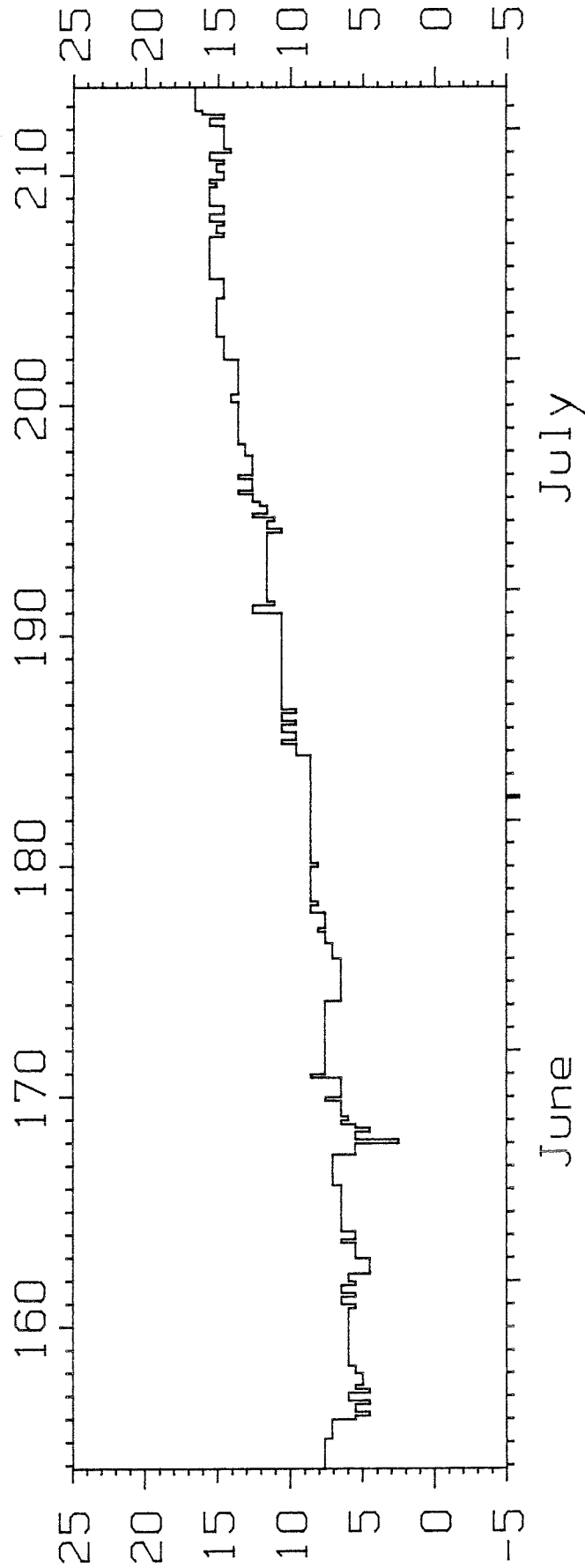
Instrument : 62546

GARDEN COVE NFLD

(Page 2)

Pos. : 47.84, 54.16 Depth : 10 meters

June 1, 1984 20:00 GMT to July 31, 1984 20:00 GMT



Instrument : 62546

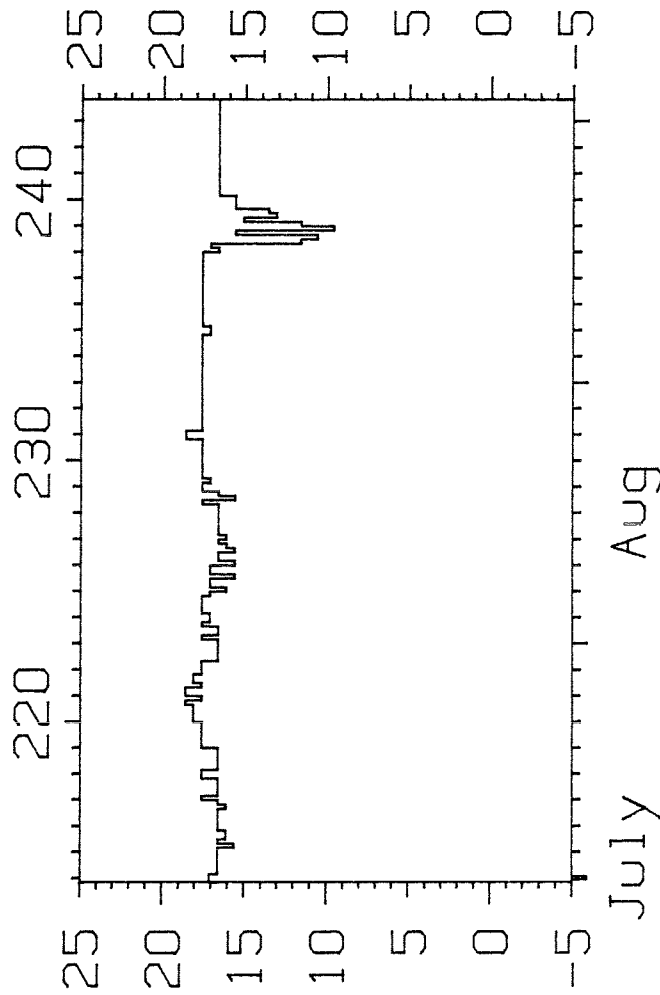
GARDEN COVE NFLD

(Page 3)

Pos. : 47.84, 54.16

Depth : 10 meters

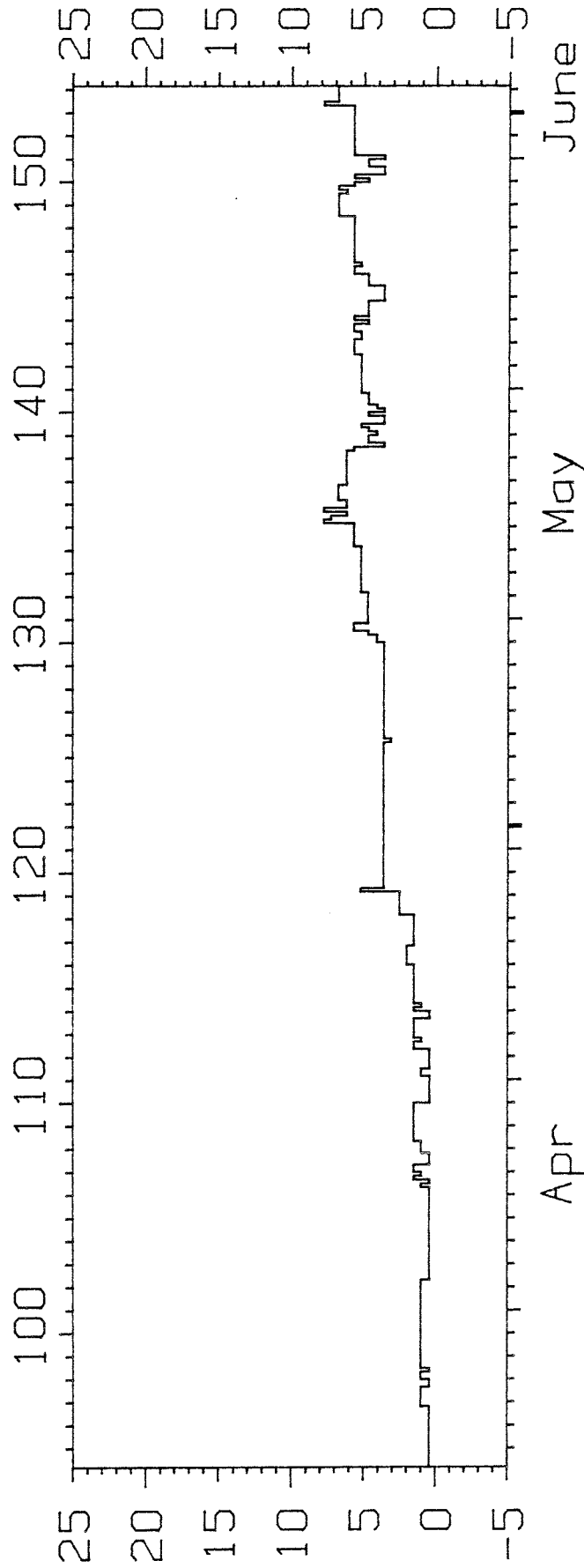
July 31, 1984 20:00 GMT to Aug 30, 1984 20:00 GMT



Instrument : 62546

GARDEN COVE NFLD (Page 1)

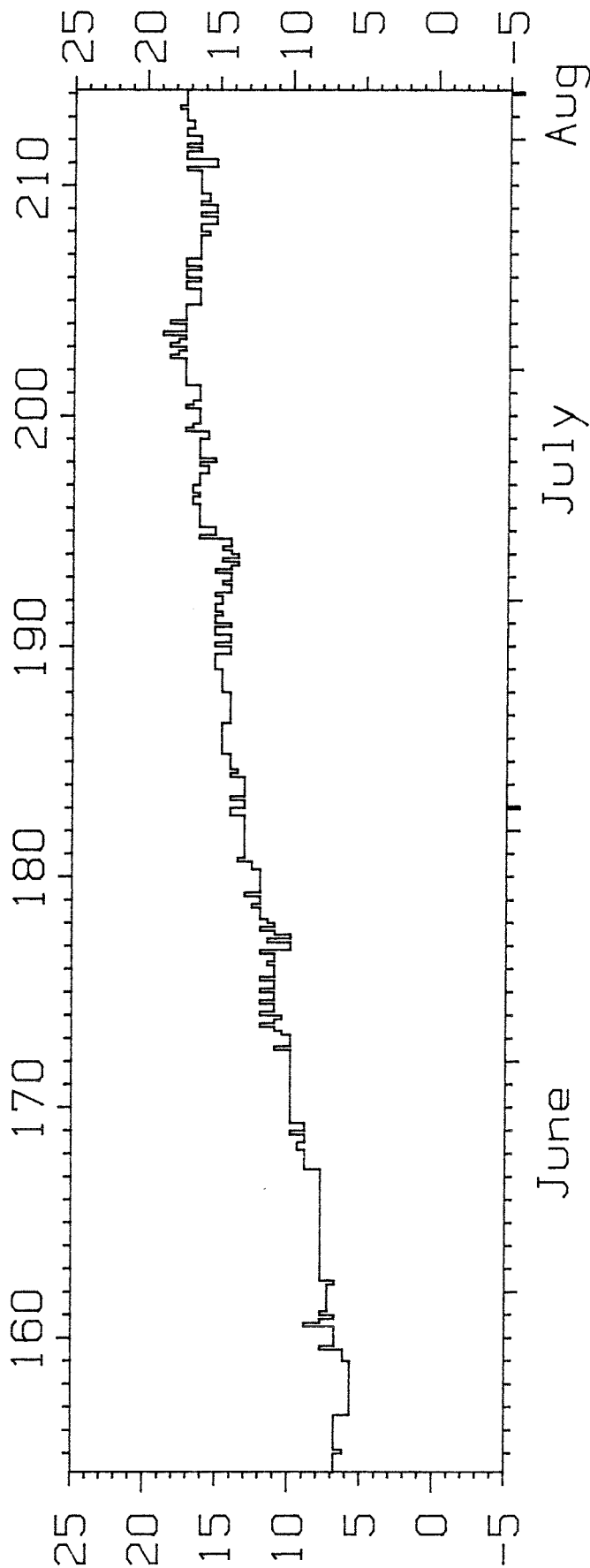
Pos. : 47.84, 54.16 Depth : 10 meters
Apr 3, 1984 04:00 GMT to June 2, 1984 04:00 GMT



Instrument : 62482

GARDEN COVE NFLD (Page 2)

Pos. : 47.84, 54.16 Depth : 10 meters
June 2, 1984 04:00 GMT to Aug 1, 1984 04:00 GMT

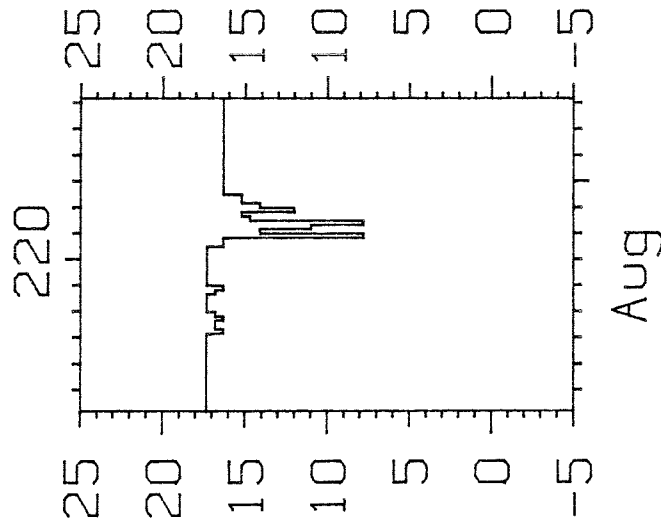


Instrument : 62482

GARDEN COVE NFLD

(Page 3)

Pos. : 47.84, 54.16 Depth : 10 meters
Aug 1, 1984 04:00 GMT to Aug 13, 1984 04:00 GMT



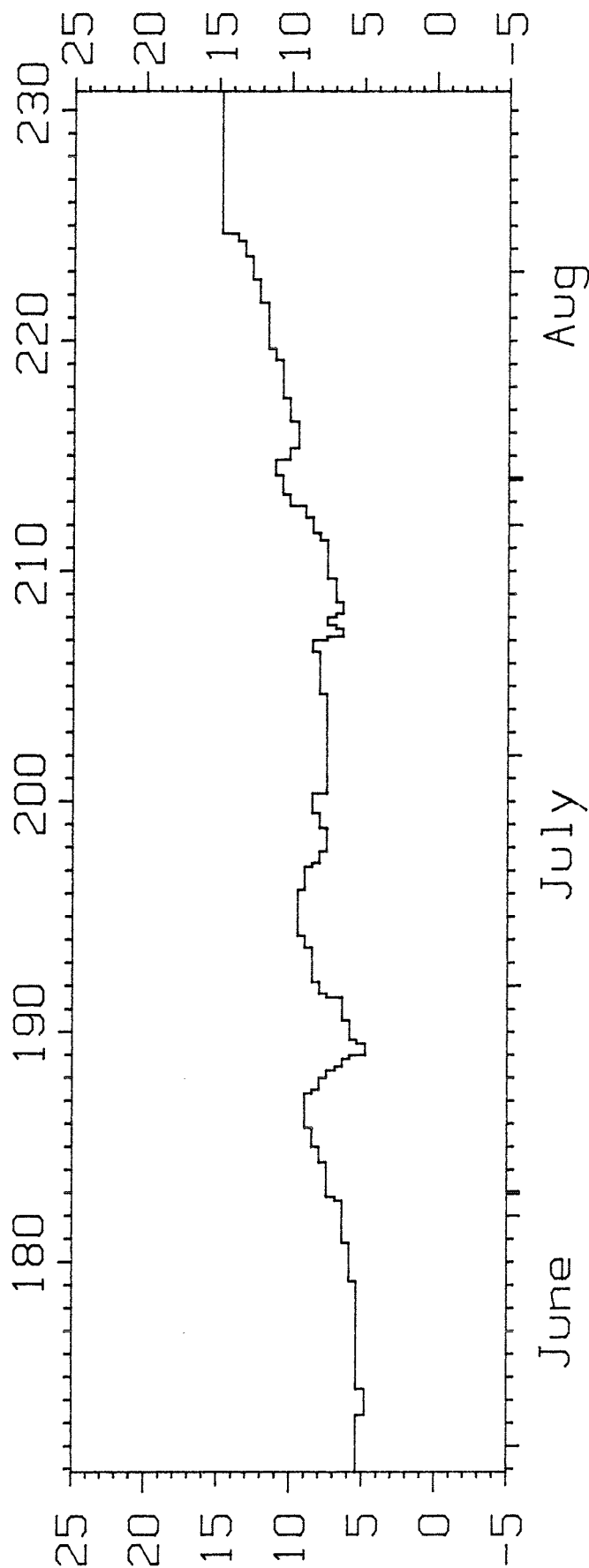
Instrument : 62482

CORBIN NFLD

(Page 1)

Pos. : 46.96, 55.25 Depth : 9 meters

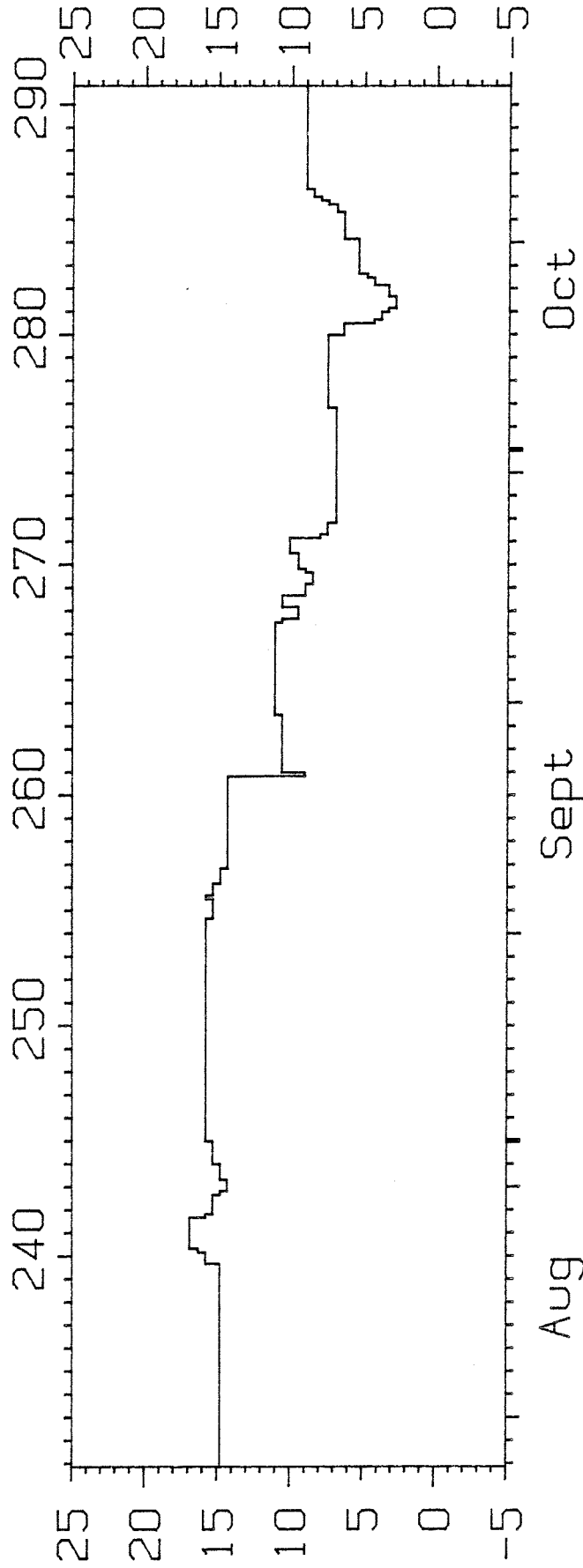
June 18, 1984 20:00 GMT to Aug 17, 1984 20:00 GMT



Instrument : 61656

CORBIN NFLD (Page 2)

Pos. : 46.96, 55.25 Depth : 9 meters
Aug 17, 1984 20:00 GMT to Oct 16, 1984 20:00 GMT

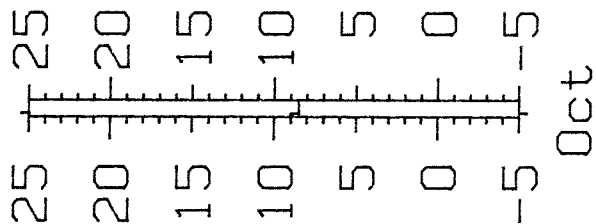


Instrument : 61656

CORBIN NFLD

(Page 3)

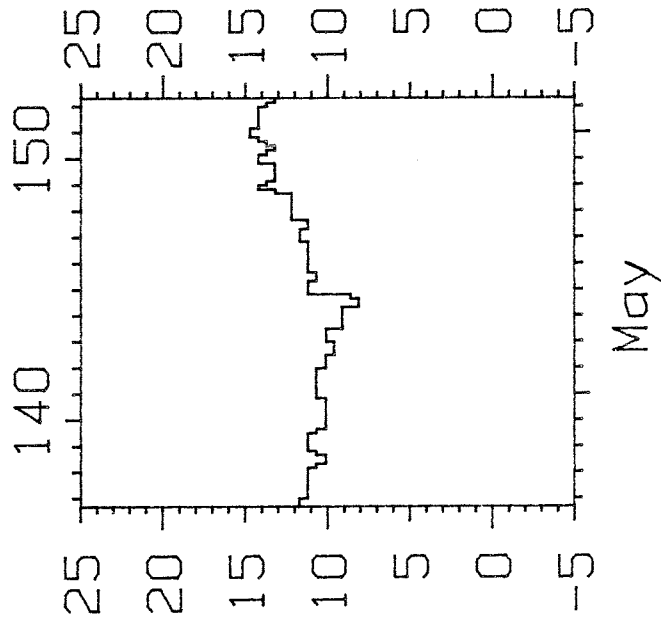
Pos. : 46.96, 55.25 Depth : 9 meters
Oct 16, 1984 20:00 GMT to Oct 17, 1984 12:00 GMT



Instrument : 61656

HEADWATER POND NFLD

Pos. : 48.28, 55.49 Depth : .5 meters
May 15, 1984 16:00 GMT to May 31, 1984 08:00 GMT

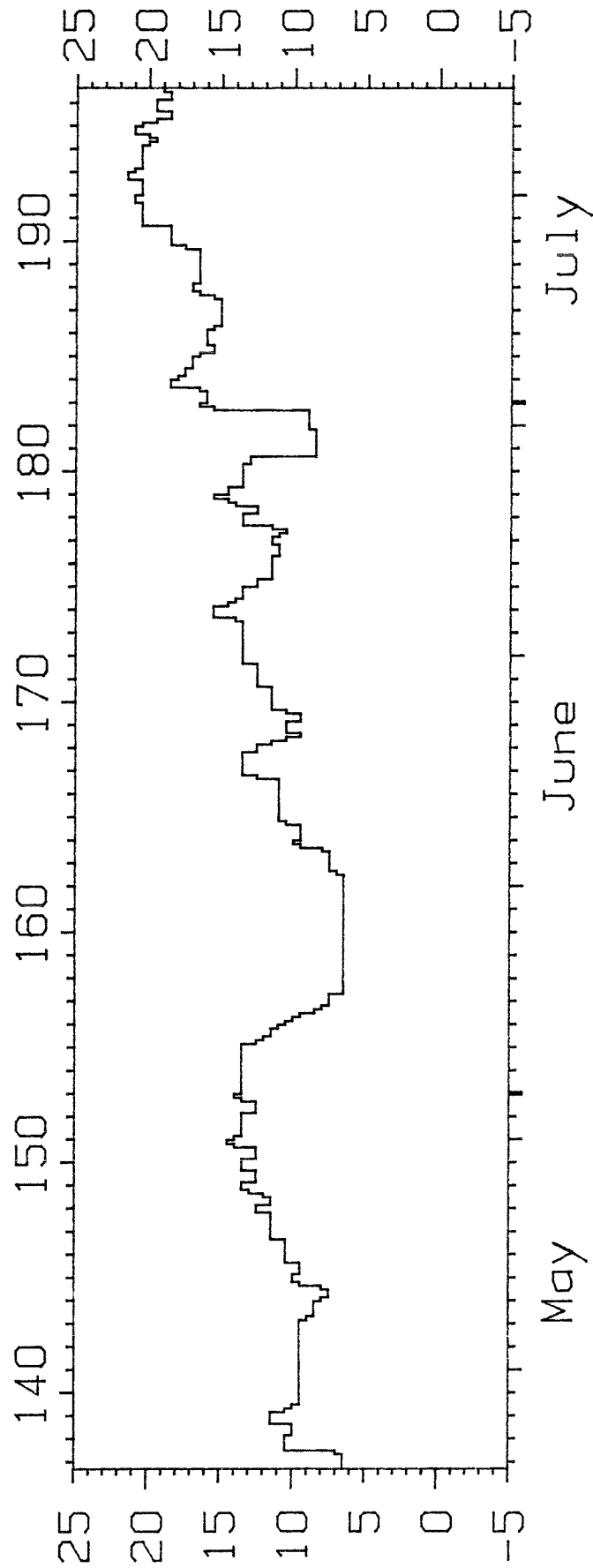


Instrument : 62888

Mechanical failure May 31.

SPRUCE POND NFLD (Page 1)

Pos. : 48.32, 55.47 Depth : 1.2 meters
May 15, 1984 16:00 GMT to July 14, 1984 16:00 GMT



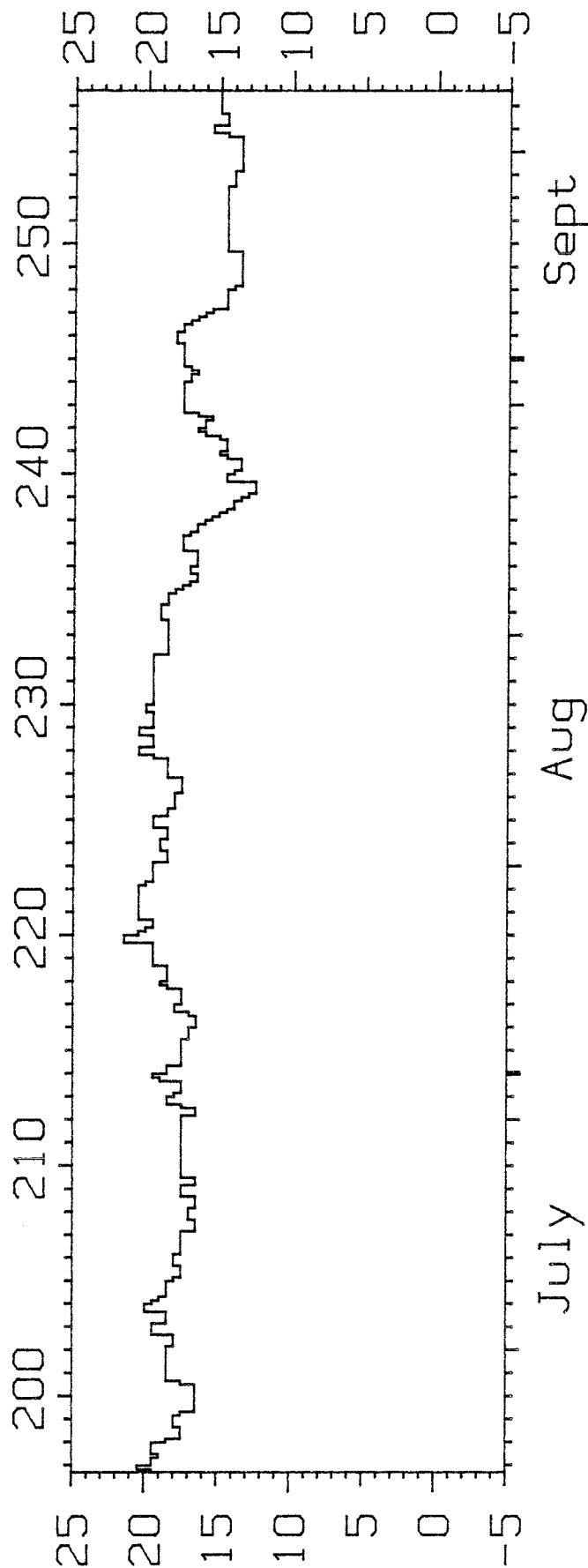
Instrument : 61690

SPRUCE POND NFLD

(Page 2)

Pos. : 48.32, 55.47 Depth : 1.2 meters

July 14, 1984 16:00 GMT to Sept 12, 1984 16:00 GMT

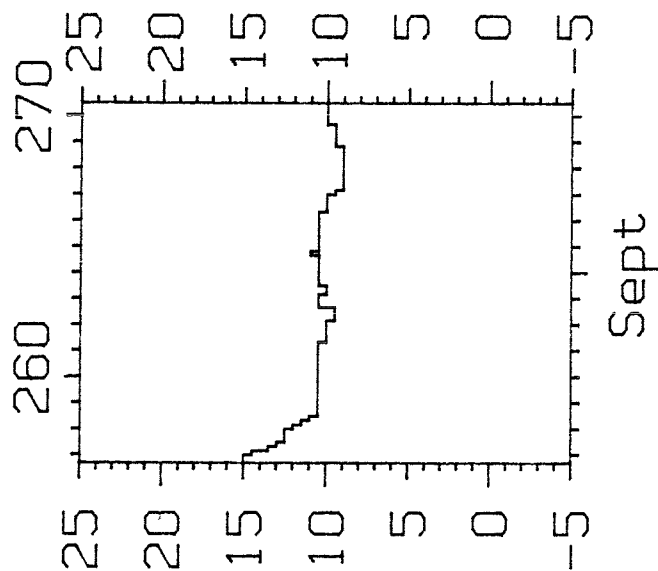


Instrument : 61690

SPRUCE POND NFLD

(Page 3)

Pos. : 48.32, 55.47 Depth : 1.2 meters
Sept 12, 1984 16:00 GMT to Sept 26, 1984 12:00 GMT

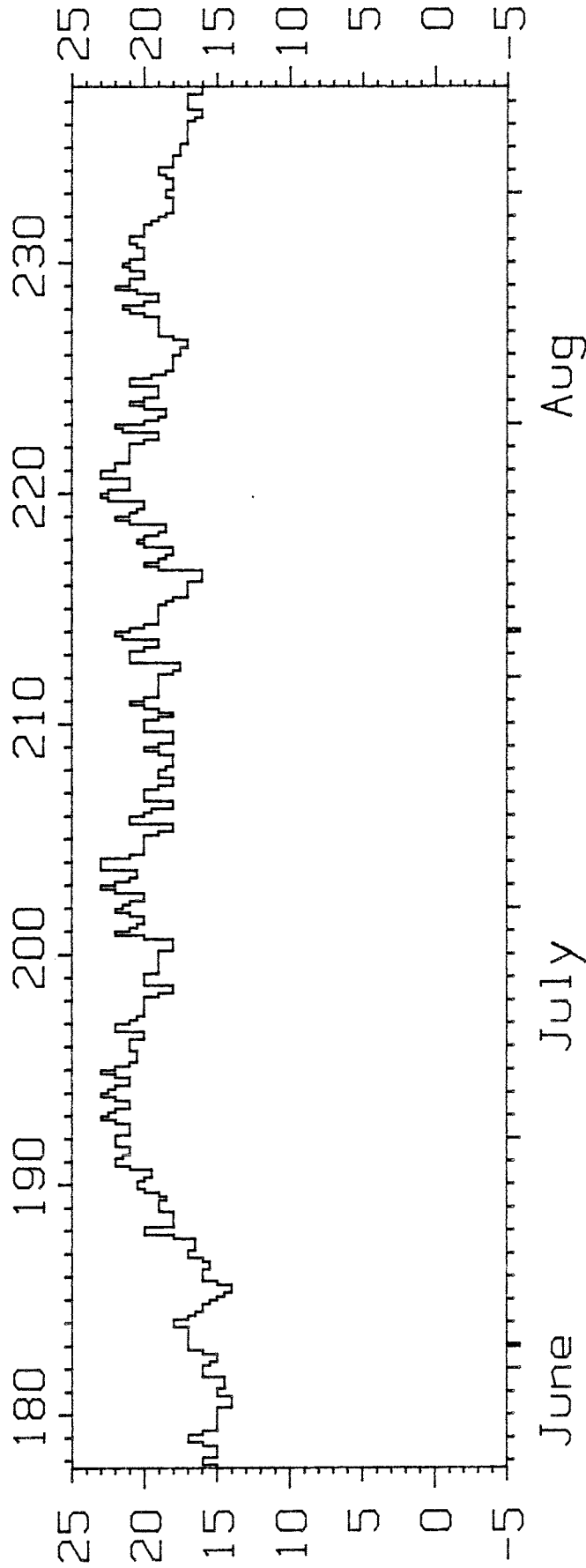


Instrument : 61690

SALMON BROOK GLENWOOD NFLD (Page 1)

Pos. : 49, 54.9 Depth : 1 meters

June 25, 1984 16:00 GMT to Aug 24, 1984 16:00 GMT

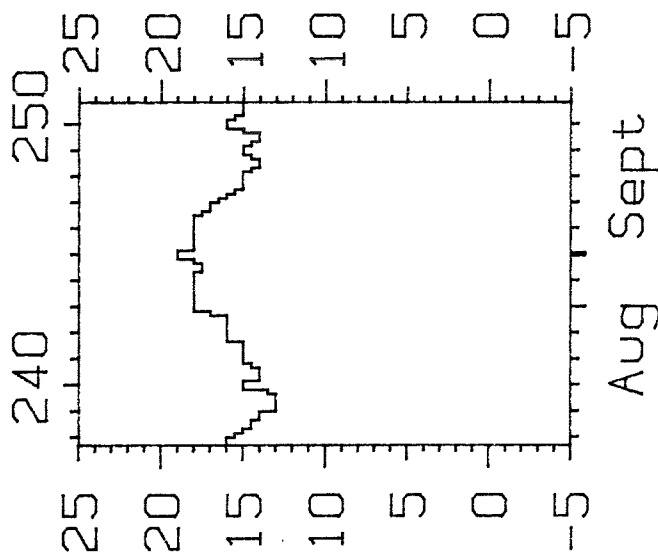


Instrument : 60989

No calibration

SALMON BROOK GLENWOOD NFLD (Page 2)

Pos. : 49, 54.9 Depth : 1 meters
Aug 24, 1984 16:00 GMT to Sept 6, 1984 20:00 GMT



Instrument : 60989

No calibration

7. Newfoundland Area Mean Temperature/Degree Days

HERRON FIDRO LABRADOR NFLO

STATION	DEPTH	LATITUDE	LONGITUDE	START
1A	1.0	58.09	63.05	AUG 24, 1984 12:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
237	9.33	9.33	5.33
238	8.42	17.75	9.75
239	11.08	28.83	16.83
240	11.58	40.42	24.42
241	11.77	52.18	32.18
242	9.28	61.47	37.47
243	8.73	70.20	42.20
244	8.63	78.83	46.83
245	9.20	88.03	52.03
246	8.47	96.50	56.50
247	7.97	104.47	60.47
248	8.50	112.97	64.97
249	8.50	121.47	69.47
250	6.43	127.90	71.90
251	7.65	135.55	75.55
252	8.67	144.22	80.22
253	6.07	150.28	82.28
254	5.63	155.92	83.92
255	5.73	161.65	85.65
256	4.50	166.15	86.45
257	4.58	170.73	87.40
258	4.23	174.97	88.00
259	4.60	179.57	88.90
260	4.60	184.17	89.88
261	3.82	187.98	90.32
262	3.97	191.95	90.83
263	2.27	194.22	90.88
264	3.57	197.73	91.15
265	3.63	201.42	91.38
266	3.72	205.13	91.62
267	3.63	208.77	91.85
268	3.27	212.03	91.35
269	3.63	215.67	92.25
270	0.93	216.60	92.25
271	1.22	217.82	92.25
272	0.53	218.35	92.25

ESTIMATED DEG. DAYS (0) FOR SEPT/84 = 149.48

TKARUIT RIVER HEBRON LABRADOR NFLD

STATION	DEPTH	LATITUDE	LONGITUDE	START
1 ^a	2.0	58.09	63.05	JULY 16, 1983 12:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
------------	------------	--------------	--------------

197	5.80	5.80	1.80
198	3.77	9.57	1.92
199	4.03	13.60	2.10
200	5.47	19.07	4.03
201	5.02	24.08	5.33
202	5.90	29.98	7.38
203	4.47	34.45	8.50
204	4.02	38.47	9.95
205	5.65	44.12	11.75
206	6.00	50.12	13.80
207	6.52	56.63	16.32
208	8.08	64.72	20.40
209	5.63	70.35	22.50
210	9.52	79.87	28.02
211	9.90	89.77	33.92
212	5.47	95.23	36.27

ESTIMATED DEG. DAYS (0) FOR JULY/83 = 184.51

213	2.57	97.93	37.05
214	4.75	102.68	38.50
215	1.67	104.47	38.62
216	1.50	106.08	39.10
217	2.85	108.95	39.52
218	3.48	112.45	40.48
219	1.67	114.35	40.78
220	2.58	116.93	40.90
221	2.58	119.52	41.02
222	3.85	123.37	41.87
223	5.47	128.83	44.05
224	5.92	134.75	46.07
225	7.25	142.00	49.32
226	7.80	149.80	53.12
227	4.93	154.73	55.12
228	2.70	157.45	55.12
229	4.03	161.48	55.90
230	2.40	163.88	56.20
231	4.83	168.72	57.32
232	5.27	173.98	58.82
233	4.83	178.62	59.75
234	4.57	183.38	60.47
235	4.38	187.77	61.00
236	3.95	191.72	61.48
237	3.48	195.20	62.08
238	2.75	197.95	62.68
239	4.03	201.98	63.65
240	4.12	206.10	64.02
241	4.23	210.33	64.50
242	4.80	215.13	65.30
243	4.55	219.68	65.85

TOTAL DEG. DAYS (0) FOR AUG/83 = 124.45

IKARUT RIVER HEBRON LABRADOR NFLD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
1 ^a	2.0	58.09	63.05	JULY 16, 1983 12:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
------------	------------	--------------	--------------

244	5.00	224.68	66.90
245	5.90	230.58	68.80
246	6.35	236.93	71.15
247	5.35	242.28	72.50
248	4.37	246.65	72.87
249	3.95	250.60	73.02
250	3.40	254.00	73.02
251	2.20	256.20	73.02
252	2.05	258.25	73.02
253	3.28	261.53	73.43
254	3.93	265.47	74.03
255	4.10	269.57	74.38
256	3.75	273.32	74.57
257	4.02	277.33	74.92
258	3.67	281.00	75.15
259	3.93	284.93	75.48
260	2.58	287.52	75.48
261	2.57	290.08	75.48
262	2.75	292.83	75.48
263	3.05	295.88	75.48
264	2.20	298.08	75.48
265	2.23	300.32	75.48
266	3.57	303.88	75.78
267	1.67	305.67	75.78
268	0.13	306.23	75.78
269	1.68	307.93	75.90
270	0.77	308.82	75.90
271	0.40	309.57	75.90
272	-0.70	309.57	75.90

ESTIMATED DEG. DAYS (0) FOR SEPT/83 = 92.98

HEBRON FIORD LABRADOR WELD

STATION	DEPTH	LATITUDE	LONGITUDE	START
10	3.0	50.09	63.05	JULY 12, 1984 24:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
------------	------------	--------------	--------------

194		* NO DATA *	
195	10.52	10.52	6.52
196	10.58	21.10	13.10
197	11.40	32.50	20.50
198	12.58	45.08	29.08
199	11.52	56.60	36.60
200	9.88	66.48	42.48
201	10.70	77.18	49.18
202	10.23	87.42	55.42
203	11.15	98.57	62.57
204	10.77	109.33	69.33
205	11.68	121.02	77.02
206	10.87	131.88	83.88
207	8.57	140.45	88.45
208	9.30	149.75	93.75
209	9.88	159.63	99.63
210	10.87	170.50	106.50
211	9.05	179.55	111.55
212	10.03	189.58	117.58
213	7.70	197.28	121.28

ESTIMATED DEG. DAYS (0) FOR JULY/84 = 321.88

214	6.50	203.78	123.98
215	3.72	207.50	124.48
216	4.62	212.12	125.53
217	5.88	218.00	127.47
218	4.70	222.70	129.15
219	2.33	225.03	129.22
220	2.07	227.10	129.38
221	3.23	230.33	129.90
222	4.08	234.42	130.75
223	4.53	238.95	131.50
224	4.27	243.22	132.18
225	2.62	245.83	132.78
226	3.80	249.63	134.20
227	4.43	254.07	135.80
228	2.98	257.05	136.15
229	3.37	260.42	136.15
230	4.82	265.23	137.00
231	5.70	270.93	138.72
232	4.82	275.75	139.57
233	6.88	282.63	142.45
234	7.30	289.93	145.75
235	6.68	296.62	148.45
236	3.90	300.52	148.80
237	4.78	305.30	149.80
238	5.43	310.73	151.23
239	6.68	317.42	153.92
240	7.40	324.82	157.32

HEBRON FIORO LABRADOR NFLD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
10 3.0 58.09 63.05 JULY 12, 1984 24:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

241	8.05	332.87	161.38
242	7.07	340.53	165.05
243	7.32	347.85	168.37
244	6.95	354.80	171.32

TOTAL DEG. DAYS (0) FOR AUG/84 = 157.52

245	6.70	361.50	174.02
246	6.87	368.37	176.88
247	6.88	375.25	179.77
248	6.87	382.12	182.63
249	8.03	390.15	186.67
250	7.58	397.73	190.25
251	6.43	404.17	192.68
252	7.13	411.30	195.82
253	5.18	416.48	197.03
254	4.70	421.18	197.75
255	4.68	425.87	198.43
256	5.08	430.95	199.52
257	4.62	435.57	200.35
258	4.82	440.38	201.20
259	4.52	444.90	201.75
260	4.25	449.15	202.17
261	4.63	453.78	202.85
262	2.60	456.38	202.92
263	3.25	459.63	202.92
264	2.72	462.35	202.92
265	3.15	465.50	202.92
266	3.33	468.83	202.92
267	3.05	471.88	202.92
268	3.05	474.93	202.92
269	2.72	477.65	202.92
270	1.72	479.37	202.92
271	1.45	480.82	202.92
272	0.45	481.27	202.92
273	0.18	481.45	202.92
274	0.45	481.90	202.92

TOTAL DEG. DAYS (0) FOR SEPT/84 = 127.10

275	0.98	482.88	202.92
276	0.75	483.63	202.92

SPOTTED ISLAND LABRADOR NFLD

STATION DEPTH LATITUDE LONGITUDE START
 2 2.5 53.51 55.86 JULY 5, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

187	4.80	4.80	0.80
188	4.55	9.35	1.35
189	4.47	13.82	1.82
190	4.13	17.95	2.08
191	5.80	23.75	3.88
192	7.07	30.82	6.95
193	7.90	38.72	10.85
194	7.90	46.62	14.75
195	7.90	54.52	18.65
196	7.73	62.25	22.38
197	6.37	68.62	24.75
198	6.48	75.10	27.23
199	5.58	80.68	29.82
200	6.28	86.97	31.10
201	6.08	93.05	33.18
202	7.23	100.28	36.42
203	7.90	108.18	40.32
204	8.10	116.28	44.42
205	8.10	124.38	48.52
206	7.57	131.95	52.08
207	7.40	139.35	55.48
208	6.98	146.33	58.47
209	7.23	153.57	61.70
210	7.90	161.47	65.60
211	7.90	169.37	69.50
212	7.40	176.77	72.90
213	7.82	184.58	76.72

ESTIMATED DEG. DAYS (0) FOR JULY/84 = 211.93

214	8.67	193.25	81.38
215	7.65	200.90	85.03
216	7.40	208.30	88.43
217	7.65	215.95	92.08
218	7.90	223.85	95.98
219	8.27	232.12	100.25
220	8.92	241.03	105.17
221	8.83	249.87	110.00
222	9.08	258.95	115.08
223	9.00	267.95	120.08
224	9.00	276.95	125.08
225	9.08	286.03	130.17
226	9.00	295.03	135.17
227	9.83	304.87	141.00
228	10.00	314.87	147.00
229	9.50	324.37	152.50
230	10.42	334.78	158.92
231	10.00	344.78	164.92
232	10.00	354.78	170.92
233	10.00	364.78	176.92

SPOTTED ISLAND LABRADOR NFLD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
2 2.5 53.51 55.86 JULY 5, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

234	9.33	374.12	182.25
235	8.08	382.20	186.33
236	8.10	390.30	190.43
237	8.40	398.70	194.83
238	7.90	406.60	198.73
239	8.08	414.68	202.82
240	9.00	423.68	207.82
241	9.00	432.68	212.82
242	9.00	441.68	217.82
243	9.00	450.68	222.82
244	8.30	458.98	227.12

TOTAL DEG. DAYS (0) FOR AUG/84 = 274.40

245	7.07	466.05	230.18
246	4.80	470.85	231.02
247	4.72	475.57	231.73
248	5.72	481.28	233.45
249	5.80	487.08	235.25

FOX HARBOUR LABRADOR NFLO

STATION DEPTH LATITUDE LONGITUDE START
 3A 3.0 52.35 55.70 JUNE 11, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

163	1.90	1.90	0.00
164	1.98	3.88	0.00
165	1.90	5.78	0.00
166	1.57	7.35	0.00
167	2.23	9.58	0.00
168	2.40	11.98	0.00
169	2.40	14.38	0.00
170	0.23	14.67	0.00
171	1.90	16.57	0.00
172	1.23	18.00	0.00
173	-0.02	18.30	0.00
174	2.07	20.37	0.00
175	2.40	22.77	0.00
176	2.40	25.17	0.00
177	3.73	28.90	0.00
178	3.90	32.80	0.30
179	4.40	37.20	0.90
180	4.90	42.10	1.80
181	4.82	46.92	2.62
182	5.15	52.07	3.78

ESTIMATED DEG. DAYS (0) FOR JUNE/84 = 78.10

183	2.90	54.97	3.85
184	4.40	59.37	4.25
185	4.40	63.77	4.65
186	5.73	69.50	6.38
187	5.48	74.98	7.87
188	4.98	79.97	8.85
189	7.40	87.37	12.25
190	7.57	94.93	15.82
191	4.15	99.08	16.35
192	4.07	103.15	16.48
193	2.90	106.05	16.48
194	0.40	106.45	16.48
195	1.98	108.43	16.63
196	2.65	111.08	16.35
197	4.73	115.82	17.68
198	5.82	121.63	19.50
199	6.40	128.03	21.90
200	6.07	134.10	23.97
201	6.23	140.33	26.20
202	6.07	146.40	28.27
203	6.90	153.30	31.17
204	6.15	159.45	33.33
205	6.23	165.68	35.57
206	8.40	174.08	39.97
207	8.40	182.48	44.37
208	8.40	190.88	48.77
209	9.32	200.20	54.08

FOY HARBOUR LABRADOR NFLO ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
 3A 3.0 52.35 55.70 JUNE 11, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

210	9.40	209.60	59.48
211	9.73	219.33	65.22
212	8.40	227.73	69.62
213	9.40	237.13	75.02

TOTAL DEG. DAYS (0) FOR JULY/84 = 185.07

214	8.23	245.37	79.25
215	6.40	251.77	81.65
216	7.40	259.17	85.05
217	6.57	265.73	87.62
218	5.73	271.47	89.35
219	5.65	277.12	91.00
220	8.23	285.35	95.23
221	8.40	293.75	99.63
222	8.40	302.15	104.03
223	8.65	310.80	108.68
224	3.98	314.78	109.88
225	5.48	320.27	111.37
226	4.48	324.75	112.23
227	4.90	329.65	113.17
228	6.57	336.22	115.73
229	7.73	343.95	119.47
230	9.07	353.02	124.53
231	7.90	360.92	128.43
232	8.40	369.32	132.83
233	8.82	378.13	137.65
234	9.32	387.45	142.97
235	9.23	396.68	148.20
236	9.32	406.00	153.52
237	8.90	414.90	158.42
238	8.90	423.80	163.32
239	8.90	432.70	168.22
240	8.57	441.27	172.78
241	7.65	448.92	176.43
242	8.98	457.90	181.42
243	9.90	467.80	187.32
244	9.90	477.70	193.22

TOTAL DEG. DAYS (0) FOR AUG/84 = 240.57

245	9.82	487.52	199.03
246	10.15	497.67	205.18
247	9.40	507.07	210.58
248	7.98	515.05	214.57
249	7.90	522.95	218.47
250	8.32	531.27	222.73
251	8.23	539.50	227.02
252	8.07	547.57	231.08
253	8.15	555.72	235.23

FOX HARBOUR LABRADOR NFLO ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
3A 3.0 52.35 55.70 JUNE 11, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

254	6.98	562.70	238.22
255	8.07	570.77	242.28
256	7.73	578.50	246.02
257	7.40	585.90	249.42
258	7.40	593.30	252.82
259	7.32	600.62	256.13
260	6.40	607.02	258.53
261	6.40	613.42	260.93
262	6.40	619.82	263.33
263	6.73	626.55	266.07
264	6.90	633.45	268.97
265	6.90	640.35	271.87
266	5.07	646.42	273.93
267	5.40	651.82	275.33
268	5.40	657.22	276.73
269	5.40	662.62	278.13
270	5.40	668.02	279.53
271	5.40	673.42	280.93
272	4.57	677.98	281.50
273	4.40	682.38	281.90
274	4.40	686.78	282.30

TOTAL DEG. DAYS (0) FOR SEPT/84 = 209.08

275	4.40	691.18	282.70
276	4.40	695.58	283.10
277	4.40	699.98	283.50
278	4.40	704.38	283.90
279	4.40	708.78	284.30

FOX HARBOUR LABRADOR NFLO

STATION DEPTH LATITUDE LONGITUDE START
3R 3.0 52.35 55.70 JUNE 11, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

163	2.60	2.60	0.00
164	2.48	5.08	0.00
165	2.88	7.97	0.03
166	2.27	10.23	0.03
167	2.73	12.97	0.03
168	2.68	15.65	0.03
169	3.00	18.65	0.05
170	0.67	19.32	0.05
171	2.02	21.33	0.05
172	2.05	23.38	0.07
173	0.17	23.88	0.07
174	2.48	26.37	0.07
175	2.60	28.97	0.07
176	2.60	31.57	0.07
177	4.02	35.58	0.15
178	4.10	39.68	0.55
179	4.85	44.53	1.47
180	5.27	49.80	2.73
181	5.27	55.07	4.00
182	5.77	60.83	5.77

ESTIMATED DEG. DAYS (0) FOR JUNE/84 = 91.25

183	3.17	64.00	5.80
184	4.18	68.18	5.98
185	4.68	72.87	6.67
186	5.52	78.38	8.18
187	6.02	84.40	10.20
188	5.35	89.75	11.55
189	7.60	97.35	15.15
190	7.95	105.30	19.10
191	5.02	110.32	20.18
192	4.93	115.25	21.12
193	3.33	118.58	21.15
194	0.67	119.25	21.15
195	2.47	121.72	21.33
196	3.40	125.12	21.72
197	5.43	130.55	23.15
198	6.02	136.57	25.17
199	6.60	143.17	27.77
200	6.70	149.87	30.47
201	7.03	156.90	33.50
202	6.72	163.62	36.22
203	7.48	171.10	39.70
204	7.13	178.23	42.83
205	7.12	185.35	45.95
206	9.20	194.55	51.15
207	9.20	203.75	56.35
208	9.20	212.95	61.55
209	9.37	222.32	66.92

FOX HARBOUR LABRADOR FELD ... CONTINUED

STATION 38 DEPTH 3.0 LATITUDE 52.35 LONGITUDE 55.70 START JUNE 11, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

210	9.70	232.02	72.62
211	10.20	242.22	78.82
212	9.37	251.58	84.18
213	10.53	262.12	90.72

TOTAL DEG. DAYS (0) FOR JULY/84 = 201.28

214	9.43	271.55	96.15
215	6.95	278.50	99.10
216	7.82	286.32	102.92
217	7.05	293.37	105.97
218	6.22	299.58	108.18
219	6.03	305.62	110.22
220	8.53	314.15	114.75
221	9.03	323.18	119.78
222	8.79	331.97	124.57
223	9.28	341.25	129.85
224	5.27	346.52	132.10
225	5.68	352.20	133.78
226	4.93	357.13	135.02
227	5.43	362.57	136.45
228	6.77	369.33	139.22
229	8.28	377.62	143.50
230	9.62	387.23	149.12
231	8.78	396.02	153.90
232	9.20	405.22	159.10
233	9.20	414.42	164.30
234	9.20	423.62	169.50
235	9.20	432.82	174.70
236	9.20	442.02	179.90
237	9.20	451.22	185.10
238	9.20	460.42	190.30
239	9.20	469.62	195.50
240	9.03	478.65	200.53
241	8.17	486.82	204.70
242	9.12	495.93	209.32
243	10.20	506.13	216.02
244	10.20	516.33	222.22

TOTAL DEG. DAYS (0) FOR AUG/84 = 254.22

245	10.12	526.45	228.33
246	10.70	537.15	235.03
247	10.12	547.27	241.15
248	8.37	555.63	245.52
249	8.20	563.83	249.72
250	8.78	572.62	254.50
251	8.95	581.57	259.45
252	8.78	590.35	264.23
253	8.78	599.13	269.02

FOX HARBOUR LABRADOR NFLO ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
38 3.0 52.35 55.70 JUNE 11, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

254	7.78	606.92	272.80
255	8.87	615.78	277.67
256	8.37	624.15	282.03
257	8.20	632.35	286.23
258	7.70	640.05	289.93
259	7.85	647.90	293.78
260	7.10	655.00	296.88
261	7.10	662.10	299.98
262	7.10	669.20	303.08
263	7.10	676.30	306.18
264	7.70	684.00	309.38
265	7.70	691.70	313.58
266	6.63	698.33	316.22
267	5.52	703.85	317.73
268	5.60	709.45	319.33
269	5.85	715.30	321.18
270	6.10	721.40	323.28
271	6.10	727.50	325.38
272	5.27	732.77	326.65
273	4.77	737.53	327.42
274	4.60	742.13	328.02

TOTAL DEG. DAYS (0) FOR SEPT/84 = 225.80

275	4.68	746.82	328.70
276	5.10	751.92	329.80
277	4.68	756.60	330.48
278	4.60	761.20	331.08
279	4.60	765.80	331.68

WFSTPORT NFLD

STATION	DEPTH	LATITUDE	LONGITUDE	START
4A	10.0	49.77	56.63	JUNE 1, 1984 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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153	1.60	1.60	0.00
154	0.68	2.28	0.00
155	0.10	2.38	0.00
156	1.10	3.48	0.00
157	2.00	5.48	0.00
158	1.70	7.18	0.00
159	1.60	8.78	0.00
160	1.60	10.38	0.00
161	1.60	11.98	0.00
162	1.60	13.58	0.00
163	1.60	15.18	0.00
164	1.60	16.78	0.00
165	1.60	18.38	0.00
166	1.60	19.98	0.00
167	1.60	21.58	0.00
168	1.88	23.47	0.00
169	4.45	27.92	0.58
170	5.20	33.12	1.78
171	4.03	37.15	2.17
172	3.28	40.43	2.17
173	3.20	43.63	2.17
174	2.42	46.05	2.17
175	2.60	48.65	2.17
176	4.03	52.68	2.30
177	4.20	56.88	2.50
178	4.70	61.58	3.20
179	5.20	65.78	4.40
180	4.37	71.15	4.77
181	4.20	75.35	4.97
182	4.20	79.55	5.17

TOTAL DEG. DAYS (0) FOR JUNE/84 = 79.55

183	4.20	83.75	5.37
184	4.20	87.95	5.57
185	5.50	93.45	7.07
186	6.30	99.75	9.37
187	7.47	107.22	12.83
188	7.62	114.83	16.45
189	3.70	118.53	16.68
190	4.23	122.77	17.58
191	9.02	131.78	22.60
192	5.32	137.10	23.92
193	4.70	141.80	24.62
194	4.70	146.50	25.32
195	7.20	153.70	28.52
196	10.38	164.08	34.90
197	8.73	172.82	39.63
198	6.60	179.42	42.23
199	6.30	185.72	44.53

WESTPORT NFLD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
 4A 10.0 49.77 56.63 JUNE 1, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

200	8.85	194.57	49.38
201	7.13	201.70	52.52
202	9.87	211.57	58.38
203	8.30	219.87	62.68
204	8.30	228.17	66.98
205	9.98	238.15	72.97
206	10.23	248.38	79.20
207	10.40	258.78	85.60
208	10.40	269.18	92.00
209	10.40	279.58	98.40
210	8.85	288.43	103.25
211	7.30	295.73	106.55
212	9.87	305.60	112.42
213	11.73	317.33	120.15

TOTAL DEG. DAYS (0) FOR JULY/84 = 237.78

214	12.40	329.73	128.55
215	9.85	339.58	134.40
216	10.55	350.13	140.95
217	12.07	362.20	149.02
218	12.90	375.10	157.92
219	13.00	388.10	166.92
220	13.08	401.18	176.00
221	13.92	415.10	185.92
222	13.50	428.60	195.42
223	13.08	441.68	204.50
224	13.92	455.60	214.42
225	12.62	468.22	223.03
226	12.25	480.47	231.28
227	13.67	494.13	240.95
228	14.00	508.13	250.95
229	14.42	522.55	261.37
230	15.33	537.88	272.70
231	14.33	552.22	283.03
232	14.50	566.72	293.53
233	14.50	581.22	304.03
234	14.33	595.55	314.37
235	14.00	609.55	324.37
236	14.25	623.80	334.62
237	14.50	638.30	345.12
238	14.00	652.30	355.12
239	14.00	666.30	365.12
240	14.00	680.30	375.12
241	14.00	694.30	385.12
242	4.57	698.87	386.12
243	2.15	701.02	386.70
244	9.18	710.20	391.88

TOTAL DEG. DAYS (0) FOR AUG/84 = 392.87

WESTPORT NFLD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
4A	10.0	49.77	56.63	JUNE 1, 1984 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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245	13.42	723.62	401.30
246	12.95	736.57	410.25
247	12.40	748.97	418.65
248	12.50	761.47	427.15
249	13.00	774.47	436.15
250	13.00	787.47	445.15
251	13.00	800.47	454.15
252	13.00	813.47	463.15
253	13.00	826.47	472.15
254	13.00	839.47	481.15
255	13.00	852.47	490.15
256	6.18	858.65	492.63
257	5.60	864.25	495.02
258	11.40	875.65	502.42
259	11.40	887.05	509.82
260	10.98	898.03	516.80
261	10.40	908.43	523.20
262	10.40	918.83	529.60
263	10.90	929.73	536.50
264	10.90	940.63	543.40
265	10.90	951.53	550.30
266	10.90	962.43	557.20
267	10.90	973.33	564.10
268	10.65	983.98	570.75
269	10.40	994.38	577.15
270	9.90	1004.28	583.05
271	9.90	1014.18	588.95
272	9.90	1024.08	594.85
273	9.48	1033.57	600.33
274	6.97	1040.53	603.30

TOTAL DEG. DAYS (0) FOR SEPT/84 = 330.33

275	5.33	1045.87	605.15
276	7.80	1053.67	608.95
277	7.30	1060.97	612.25
278	7.30	1068.27	615.55
279	7.30	1075.57	618.85
280	7.30	1082.87	622.15
281	6.80	1089.67	624.95
282	6.80	1096.47	627.75
283	6.80	1103.27	630.55
284	6.80	1110.07	633.35
285	6.80	1116.87	636.15
286	6.55	1123.42	638.70
287	6.30	1129.72	641.00
288	6.30	1136.02	643.30
289	6.30	1142.32	645.60
290	6.30	1148.62	647.90

ESTIMATED DEG. DAYS (0) FOR OCT/84 = 209.41

WESTPORT NFLD

STATION DEPTH LATITUDE LONGITUDE START
 4R 1.0 49.77 56.63 JUNE 1, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

153	1.70	1.70	0.00
154	0.70	2.40	0.00
155	-0.30	2.40	0.00
156	0.87	3.27	0.00
157	1.62	4.88	0.00
158	1.70	6.58	0.00
159	1.20	7.78	0.00
160	1.20	8.98	0.00
161	1.20	10.18	0.00
162	1.20	11.38	0.00
163	1.20	12.58	0.00
164	1.20	13.78	0.00
165	3.20	16.98	0.27
166	1.70	18.68	0.27
167	1.20	19.88	0.27
168	1.53	21.42	0.27
169	4.12	25.53	0.57
170	5.20	30.73	1.77
171	5.12	35.85	2.88
172	2.87	38.72	2.88
173	2.70	41.42	2.88
174	2.37	43.78	2.88
175	2.87	46.65	2.88
176	3.95	50.60	2.98
177	4.20	54.80	3.18
178	4.87	59.67	4.05
179	5.58	65.25	5.63
180	5.20	70.45	6.83
181	4.53	74.98	7.37
182	4.53	79.52	7.90

TOTAL DEG. DAYS (0) FOR JUNE/84 = 79.52

183	5.33	84.85	9.23
184	3.78	88.63	9.27
185	5.25	93.88	10.52
186	6.27	100.15	12.78
187	8.02	108.17	16.80
188	8.27	116.43	21.07
189	8.27	124.70	25.33
190	8.77	133.47	30.10
191	9.93	143.40	36.03
192	8.27	151.67	40.30
193	5.65	157.32	41.95
194	4.87	162.18	42.82
195	8.52	170.70	47.33
196	11.10	181.80	54.43
197	10.93	192.73	61.37
198	10.27	203.00	67.63
199	10.68	213.68	74.32

WESTPORT NFLD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
4R	1.0	49.77	56.63	JUNE 1, 1984 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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200	10.93	224.62	81.25
201	11.27	235.88	88.52
202	10.60	246.48	95.12
203	8.77	255.25	99.88
204	10.43	265.68	106.32
205	11.10	276.78	113.42
206	10.85	287.63	120.27
207	10.27	297.90	126.53
208	10.10	308.00	132.63
209	10.10	318.10	138.73
210	10.10	328.20	144.83
211	8.85	337.05	149.68
212	10.27	347.32	155.95
213	11.18	358.50	163.13

TOTAL DEG. DAYS (0) FOR JULY/84 = 278.98

214	11.60	370.10	170.73
215	10.85	380.95	177.58
216	10.60	391.55	184.18
217	11.27	402.82	191.45
218	12.10	414.92	199.55
219	12.18	427.10	207.73
220	12.87	439.97	216.60
221	13.00	452.97	225.60
222	12.25	465.22	233.85
223	12.33	477.55	242.18
224	13.00	490.55	251.18
225	12.35	502.90	259.53
226	11.93	514.83	267.47
227	12.87	527.70	276.33
228	13.08	540.78	285.42
229	13.75	554.53	295.17
230	14.00	568.53	305.17
231	14.00	582.53	315.17
232	13.58	596.12	324.75
233	13.50	609.62	334.25
234	13.25	622.87	343.50
235	13.00	635.87	352.50
236	13.00	648.87	361.50
237	13.00	661.87	370.50
238	13.00	674.87	379.50
239	12.93	687.80	388.43
240	13.00	700.80	397.43
241	13.00	713.80	406.43
242	9.07	722.87	411.50
243	5.92	728.78	413.42
244	11.18	739.97	420.60

TOTAL DEG. DAYS (0) FOR AUG/84 = 381.47

WESTPORT NFDL ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
4R 1.0 49.77 56.63 JUNE 1, 1984 16:00 GMT

DAY NUMBER MEAN TFMP. DEG. DAY (0) DEG. DAY (4)

245	12.10	752.07	428.70
246	11.43	763.50	436.13
247	11.68	775.18	443.82
248	12.10	787.28	451.92
249	12.10	799.38	460.02
250	12.10	811.48	468.12
251	12.10	823.58	476.22
252	12.10	835.68	484.32
253	12.10	847.78	492.42
254	12.10	859.88	500.52
255	11.43	871.32	507.95
256	6.40	877.72	510.78
257	10.60	888.32	517.33
258	10.60	898.92	523.98
259	10.35	909.27	530.33
260	10.10	919.37	536.43
261	10.10	929.47	542.53
262	10.10	939.57	548.63
263	10.10	949.67	554.73
264	10.10	959.77	560.83
265	10.10	969.87	566.93
266	10.10	979.97	573.03
267	9.93	989.90	578.97
268	9.60	999.50	584.57
269	9.10	1008.60	589.67
270	9.10	1017.70	594.77
271	9.02	1026.72	599.78
272	8.27	1034.98	604.05
273	8.10	1043.08	608.15
274	8.02	1051.10	612.17

TOTAL DEG. DAYS (0) FOR SEPT/84 = 311.13

275	7.35	1058.45	615.52
276	6.60	1065.05	618.12
277	6.60	1071.65	620.72
278	6.60	1078.25	623.32
279	6.60	1084.85	625.92

HARRY'S HARBOUR NFLD

STATION DEPTH LATITUDE LONGITUDE START
 5A 1.0 49.70 55.93 JUNE 14, 1984 24:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
166		* NO DATA *	
167	5.38	5.38	1.38
168	4.70	10.08	2.08
169	4.70	14.78	2.78
170	3.45	18.23	2.82
171	3.37	21.60	2.82
172	3.70	25.30	2.82
173	2.95	28.25	2.82
174	2.87	31.12	2.82
175	5.10	36.22	3.92
176	5.38	41.60	5.30
177	5.97	47.57	7.27
178	6.98	54.55	10.25
179	7.90	62.45	14.15
180	7.90	70.35	18.05
181	7.90	78.25	21.95
182	7.98	86.23	25.93

ESTIMATED DEG. DAYS (0) FOR JUNE/84 = 161.69

183	8.82	95.05	30.75
184	8.40	103.45	35.15
185	8.40	111.85	39.55
186	8.82	120.67	44.37
187	9.48	130.15	49.85
188	7.77	137.92	53.62
189	8.57	146.48	58.18
190	9.57	156.05	63.75
191	6.47	162.52	66.22
192	3.70	166.22	66.22
193	4.90	171.12	67.17
194	6.05	177.17	69.22
195	6.63	183.80	71.85
196	6.30	190.10	74.15
197	5.15	195.25	75.30
198	6.73	201.98	78.03
199	10.45	212.43	84.48
200	8.98	221.42	89.47
201	9.68	231.10	95.15
202	9.48	240.58	100.63
203	9.07	249.65	105.70
204	9.90	259.55	111.60
205	8.82	268.37	116.42
206	9.90	278.27	122.32
207	9.15	287.42	127.47
208	9.65	297.07	133.12
209	10.57	307.63	139.68
210	11.00	318.63	146.68
211	11.83	330.47	154.52
212	12.00	342.47	162.52

HARRY'S HARBOUR NFLD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
5A 1.0 49.70 55.93 JUNE 14, 1984 24:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

213 12.90 355.37 171.42

TOTAL DEG. DAYS (0) FOR JULY/84 = 269.13

214	12.90	368.27	180.32
215	12.80	381.07	189.12
216	13.10	394.17	198.22
217	13.27	407.43	207.48
218	13.23	420.67	216.72
219	12.70	433.37	225.42
220	13.27	446.63	234.68
221	12.87	459.50	243.55
222	13.08	472.58	252.63
223	13.77	486.35	262.40
224	14.10	500.45	272.50
225	13.60	514.05	282.10
226	13.68	527.73	291.78
227	14.10	541.83	301.88
228	14.18	556.02	312.07
229	14.60	570.62	322.67
230	14.68	585.30	333.35
231	15.10	600.40	344.45
232	15.10	615.50	355.55
233	15.10	630.60	366.65
234	15.10	645.70	377.75
235	15.10	660.80	388.85
236	15.10	675.90	399.95
237	14.68	690.58	410.63
238	14.27	704.85	420.90
239	14.10	718.95	431.00
240	14.10	733.05	441.10
241	14.10	747.15	451.20
242	14.18	761.33	461.38
243	14.60	775.93	471.98
244	14.68	790.62	482.67

TOTAL DEG. DAYS (0) FOR AUG/84 = 435.25

245	15.10	805.72	493.77
246	14.93	820.65	504.70
247	13.85	834.50	514.55
248	14.10	848.60	524.65
249	14.10	862.70	534.75
250	13.43	876.13	544.18
251	13.10	889.23	553.28
252	13.10	902.33	562.38
253	13.10	915.43	571.48
254	13.27	928.70	580.75
255	13.60	942.30	590.35
256	13.18	955.48	599.53

HARRY'S HARBOUR NFLD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
 FA 1.0 49.70 55.93 JUNE 14, 1984 24:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

257	13.10	968.58	608.63
258	12.80	981.38	617.43
259	12.08	993.47	625.52
260	11.00	1004.47	632.52
261	11.00	1015.47	639.52
262	10.58	1026.05	646.10
263	10.50	1036.55	652.60
264	10.50	1047.05	659.10
265	10.50	1057.55	665.60
266	10.10	1067.65	671.70
267	9.90	1077.55	677.60
268	9.40	1086.95	683.00
269	9.40	1096.35	688.40
270	9.40	1105.75	693.80
271	9.40	1115.15	699.20
272	9.40	1124.55	704.60
273	9.07	1133.62	709.67
274	8.90	1142.52	714.57

TOTAL DEG. DAYS (0) FOR SEPT/84 = 351.90

275	8.90	1151.42	719.47
276	8.90	1160.32	724.37
277	8.57	1168.88	728.93
278	8.40	1177.28	733.33
279	8.32	1185.60	737.65
280	7.90	1193.50	741.55
281	7.90	1201.40	745.45
282	7.90	1209.30	749.35
283	7.50	1216.80	752.85
284	7.30	1224.10	756.15
285	7.30	1231.40	759.45
286	7.30	1238.70	762.75
287	7.30	1246.00	766.05
288	6.97	1252.97	769.02
289	6.80	1259.77	771.82
290	6.80	1266.57	774.62

ESTIMATED DEG. DAYS (0) FOR OCT/84 = 240.35

HARRY'S HARBOUR NFLD

STATION DEPTH LATITUDE LONGITUDE START
5R 1.0 49.70 55.93 OCT 18, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

292	7.40	7.40	3.40
293	7.40	14.80	6.80
294	7.40	22.20	10.20
295	7.40	29.60	13.60
296	7.40	37.00	17.00
297	7.40	44.40	20.40
298	7.40	51.80	23.80
299	7.15	58.95	26.95
300	6.90	65.85	29.85
301	6.40	72.25	32.25
302	6.23	78.48	34.48
303	5.90	84.38	36.38
304	5.30	89.68	37.68
305	5.30	94.98	38.98

ESTIMATED DEG. DAYS (0) FOR OCT/84 = 210.32

306	5.30	100.28	40.28
307	5.22	105.50	41.50
308	4.38	109.88	42.00
309	3.30	113.18	42.00
310	3.30	116.48	42.00
311	3.30	119.78	42.00
312	3.55	123.33	42.00
313	3.30	126.63	42.00
314	2.80	129.43	42.00
315	2.80	132.23	42.00
316	3.30	135.53	42.00
317	3.30	138.83	42.00
318	3.05	141.88	42.00
319	2.80	144.68	42.00
320	2.80	147.48	42.00
321	2.80	150.28	42.00
322	2.80	153.08	42.00
323	2.47	155.55	42.00
324	2.30	157.85	42.00
325	2.22	160.07	42.00
326	1.80	161.87	42.00
327	1.80	163.67	42.00
328	1.80	165.47	42.00
329	1.80	167.27	42.00
330	1.38	168.65	42.00
331	1.30	169.95	42.00
332	1.30	171.25	42.00
333	1.30	172.55	42.00
334	1.30	173.85	42.00
335	1.30	175.15	42.00

TOTAL DEG. DAYS (0) FOR NOV/84 = 80.17

HARRY'S HARBOUR NFLO ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
58 1.0 49.70 55.93 OCT 18, 1984 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
336	1.30	176.45	42.00
337	1.30	177.75	42.00
338	1.30	179.05	42.00
339	1.13	180.18	42.00
340	1.05	181.23	42.00
341	1.30	182.53	42.00
342	0.80	183.33	42.00
343	0.80	184.13	42.00
344	0.38	184.52	42.00
345	0.30	184.82	42.00
346	0.30	185.12	42.00
347	0.30	185.42	42.00
348	0.30	185.72	42.00
349	0.30	186.02	42.00
350	0.30	186.32	42.00
351	-0.20	186.37	42.00
352	-0.30	186.37	42.00
353	-0.30	186.37	42.00

ESTIMATED DEG. DAYS (0) FOR DEC/84 = 19.32

HARRY'S HARBOUR NFLD

STATION	DEPTH	LATITUDE	LONGITUDE	START
5C	1.0	49.70	55.93	OCT 18, 1984 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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292	6.60	6.60	2.60
293	6.60	13.20	5.20
294	6.60	19.80	7.80
295	6.60	26.40	10.40
296	6.60	33.00	13.00
297	6.60	39.60	15.60
298	6.60	46.20	18.20
299	6.60	52.80	20.80
300	6.35	59.15	23.15
301	6.02	65.17	25.17
302	5.02	70.18	26.18
303	4.60	74.78	26.78
304	4.60	79.38	27.38
305	4.60	83.98	27.98

ESTIMATED DEG. DAYS (0) FOR OCT/84 = 185.96

306	4.60	88.58	28.58
307	4.60	93.18	29.18
308	3.60	96.78	29.38
309	2.60	99.38	29.38
310	2.60	101.98	29.38
311	2.60	104.58	29.38
312	2.60	107.18	29.38
313	2.43	109.62	29.38
314	2.10	111.72	29.38
315	2.10	113.82	29.38
316	2.60	116.42	29.38
317	2.60	119.02	29.38
318	2.60	121.62	29.38
319	2.60	124.22	29.38
320	2.60	126.82	29.38
321	2.60	129.42	29.38
322	2.60	132.02	29.38
323	1.77	133.78	29.38
324	1.60	135.38	29.38
325	1.60	136.98	29.38
326	1.60	138.58	29.38
327	1.60	140.18	29.38
328	1.60	141.78	29.38
329	1.60	143.38	29.38
330	1.27	144.65	29.38
331	1.10	145.75	29.38
332	1.10	146.85	29.38
333	1.10	147.95	29.38
334	1.10	149.05	29.38
335	1.10	150.15	29.38

TOTAL DEG. DAYS (0) FOR NOV/84 = 66.17

HARRY'S HARBOUR NFD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
50	1.0	49.70	55.93	OCT 18, 1984 16:00 GMT

DAY NUMBR	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
336	1.10	151.25	29.38
337	0.60	151.85	29.38
338	0.60	152.45	29.38
339	0.60	153.05	29.38
340	0.60	153.65	29.38
341	0.60	154.25	29.38
342	0.60	154.85	29.38
343	0.60	155.45	29.38
344	0.60	156.05	29.38
345	0.10	156.15	29.38
346	0.10	156.25	29.38
347	0.10	156.35	29.38
348	0.10	156.45	29.38
349	0.10	156.55	29.38
350	-0.07	156.62	29.38
351	-0.40	156.62	29.38
352	-0.40	156.62	29.38
353	-0.40	156.62	29.38

ESTTMATED DEG. DAYS (0) FOR DEC/84 = 11.14

INDIAN RIVER SPRINGDALE NFD

STATION DEPTH LATITUDE LONGITUDE START
6 1.0 49.51 56.11 JULY 6, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

188	17.40	17.40	13.40
189	17.83	35.23	27.23
190	20.05	55.28	43.28
191	20.83	76.12	60.12
192	20.42	96.53	76.53
193	20.92	117.45	93.45
194	20.67	138.12	110.12
195	20.67	158.78	126.78
196	20.32	179.10	143.10
197	18.87	197.97	157.97
198	18.28	216.25	172.25
199	17.75	234.00	186.00
200	18.43	252.43	200.43
201	20.13	272.57	216.57
202	19.80	292.37	232.37
203	20.83	313.20	249.20
204	20.68	333.88	265.88
205	18.10	351.98	279.98
206	19.65	371.63	295.63
207	18.95	390.58	310.58
208	17.33	407.92	323.92
209	17.27	425.18	337.18
210	17.85	443.03	351.03
211	18.02	461.05	365.05
212	17.42	478.47	378.47
213	19.98	498.45	394.45

ESTIMATED DEG. DAYS (0) FOR JULY/84 = 594.31

214	19.90	518.35	410.35
215	17.68	536.03	424.03
216	16.08	552.12	436.12
217	18.80	570.92	450.92
218	19.88	590.80	466.80
219	20.15	610.95	482.95
220	20.48	631.43	499.43
221	20.00	651.43	515.43
222	18.10	669.53	529.53
223	18.45	687.98	543.98
224	19.50	707.48	559.48
225	16.15	723.63	571.63
226	15.92	739.55	583.55
227	19.30	758.85	598.85
228	19.37	778.22	614.22
229	21.17	799.38	631.38
230	21.67	821.05	649.05
231	19.72	840.77	664.77
232	16.33	857.10	677.10
233	18.27	875.37	691.37
234	16.65	892.02	704.02

INDIAN RIVER SPRINGDALE NFD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
6	1.0	49.51	56.11	JULY 6, 1984 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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235	14.23	906.25	714.25
236	15.32	921.57	725.57
237	14.82	936.38	736.38
238	12.30	948.68	744.68
239	12.32	961.00	753.00
240	15.92	976.92	764.92
241	17.93	994.85	778.85
242	19.22	1014.07	794.07
243	18.43	1032.50	808.50
244	16.83	1049.33	821.33

TOTAL DEG. DAYS (0) FOR AUG/84 = 550.88

245	18.37	1067.70	835.70
246	17.52	1085.22	849.22
247	13.52	1098.73	858.73
248	13.68	1112.42	868.42
249	13.93	1126.35	878.35
250	14.73	1141.08	889.08
251	14.32	1155.40	899.40
252	13.60	1169.00	909.00
253	11.22	1180.22	916.22
254	13.33	1193.55	925.55
255	15.40	1209.95	937.95
256	15.65	1225.60	949.60

ESTIMATED DEG. DAYS (0) FOR SEPT/84 = 440.67

COMFORT COVE NFLD

STATION	DEPTH	LATITUDE	LONGITUDE	START
7A	9.0	49.41	54.83	DEC 4, 1983 04:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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339	1.10	1.10	0.00
339	1.10	2.20	0.00
340	1.10	3.30	0.00
341	1.10	4.40	0.00
342	0.60	5.00	0.00
343	0.50	5.50	0.00
344	0.50	6.00	0.00
345	0.50	6.50	0.00
346	0.50	7.00	0.00
347	0.50	7.50	0.00
348	0.25	7.75	0.00
349	0.00	7.75	0.00
350	-0.42	7.75	0.00
351	-0.75	7.75	0.00
352	-1.00	7.75	0.00
353	-1.00	7.75	0.00
354	-1.00	7.75	0.00
355	-1.42	7.75	0.00
356	-1.50	7.75	0.00
357	-1.50	7.75	0.00
358	-1.50	7.75	0.00
359	-1.50	7.75	0.00
360	-1.50	7.75	0.00
361	-1.83	7.75	0.00
362	-2.00	7.75	0.00
363	-2.00	7.75	0.00
364	-2.00	7.75	0.00
365	-2.00	7.75	0.00

ESTIMATED DEG. DAYS (0) FOR DEC/83 = 8.58

1	-2.00	7.75	0.00
2	-2.00	7.75	0.00
3	-2.00	7.75	0.00
4	-2.00	7.75	0.00
5	-2.00	7.75	0.00
6	-2.00	7.75	0.00
7	-2.00	7.75	0.00
8	-2.33	7.75	0.00
9	-2.50	7.75	0.00
10	-2.50	7.75	0.00
11	-2.50	7.75	0.00
12	-2.50	7.75	0.00
13	-2.50	7.75	0.00
14	-2.50	7.75	0.00
15	-2.50	7.75	0.00
16	-2.50	7.75	0.00
17	-2.50	7.75	0.00
18	-2.50	7.75	0.00
19	-2.50	7.75	0.00

COMFORT COVE NFED ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
7A 9.0 49.41 54.83 DEC 4, 1983 04:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

20	-2.50	7.75	0.00
21	-2.50	7.75	0.00
22	-2.50	7.75	0.00
23	-2.50	7.75	0.00
24	-2.50	7.75	0.00
25	-2.50	7.75	0.00
26	-2.50	7.75	0.00
27	-2.50	7.75	0.00
28	-2.50	7.75	0.00
29	-2.50	7.75	0.00
30	-2.50	7.75	0.00
31	-2.50	7.75	0.00

TOTAL DEG. DAYS (0) FOR JAN/84 = 0.00

32	-2.50	7.75	0.00
33	-2.50	7.75	0.00
34	-2.50	7.75	0.00
35	-2.50	7.75	0.00
36	-2.50	7.75	0.00
37	-2.50	7.75	0.00
38	-2.50	7.75	0.00
39	-2.50	7.75	0.00
40	-2.50	7.75	0.00
41	-2.50	7.75	0.00
42	-2.50	7.75	0.00
43	-2.50	7.75	0.00
44	-2.50	7.75	0.00
45	-2.50	7.75	0.00
46	-2.50	7.75	0.00
47	-2.50	7.75	0.00
48	-2.50	7.75	0.00
49	-2.50	7.75	0.00
50	-2.50	7.75	0.00
51	-2.50	7.75	0.00
52	-2.50	7.75	0.00
53	-2.50	7.75	0.00
54	-2.50	7.75	0.00
55	-2.08	7.75	0.00
56	-2.00	7.75	0.00
57	-2.00	7.75	0.00
58	-2.00	7.75	0.00
59	-2.00	7.75	0.00
60	-2.00	7.75	0.00

TOTAL DEG. DAYS (0) FOR FEB/84 = 0.00

61	-2.00	7.75	0.00
62	-2.00	7.75	0.00
63	-2.00	7.75	0.00

COMFORT COVE NFLD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
7A 9.0 49.41 54.83 DEC 4, 1983 04:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

64	-2.00	7.75	0.00
65	-2.00	7.75	0.00
66	-2.00	7.75	0.00
67	-2.00	7.75	0.00
68	-2.00	7.75	0.00
69	-2.00	7.75	0.00
70	-2.00	7.75	0.00
71	-2.00	7.75	0.00
72	-2.00	7.75	0.00
73	-2.00	7.75	0.00
74	-2.00	7.75	0.00
75	-2.00	7.75	0.00
76	-2.00	7.75	0.00
77	-2.00	7.75	0.00
78	-2.00	7.75	0.00
79	-2.00	7.75	0.00
80	-2.00	7.75	0.00
81	-2.00	7.75	0.00
82	-2.00	7.75	0.00
83	-2.00	7.75	0.00
84	-2.00	7.75	0.00
85	-2.00	7.75	0.00
86	-2.00	7.75	0.00
87	-2.00	7.75	0.00
88	-2.00	7.75	0.00
89	-2.00	7.75	0.00
90	-2.00	7.75	0.00
91	-2.00	7.75	0.00

TOTAL DEG. DAYS (0) FOR MAR/84 = 0.00

92	-2.00	7.75	0.00
93	-2.00	7.75	0.00
94	-2.00	7.75	0.00
95	-2.00	7.75	0.00
96	-2.00	7.75	0.00
97	-2.00	7.75	0.00
98	-2.00	7.75	0.00
99	-2.00	7.75	0.00
100	-2.00	7.75	0.00
101	-2.00	7.75	0.00
102	-2.00	7.75	0.00

ESTIMATED DEG. DAYS (0) FOR APR/84 = 0.00

COMFORT COVE NFLD

STATION	DEPTH	LATITUDE	LONGITUDE	START
73	9.0	49.41	54.83	DEC 7, 1983 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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341	3.35	3.35	0.00
342	3.10	6.45	0.00
343	2.68	9.13	0.00
344	2.60	11.73	0.00
345	2.50	14.23	0.00
346	2.00	16.23	0.00
347	2.00	18.23	0.00
348	2.00	20.23	0.00
349	2.00	22.23	0.00
350	2.00	24.23	0.00
351	2.00	26.23	0.00
352	1.75	27.98	0.00
353	1.25	29.23	0.00
354	1.00	30.23	0.00
355	0.58	30.82	0.00
356	0.50	31.32	0.00
357	0.50	31.82	0.00
358	0.25	32.07	0.00
359	0.00	32.07	0.00
360	0.00	32.07	0.00
361	0.00	32.07	0.00
362	0.00	32.07	0.00
363	0.00	32.07	0.00
364	0.00	32.07	0.00
365	0.00	32.07	0.00

ESTIMATED DEG. DAYS (0) FOR DEC/83 = 39.76

1	-0.33	32.07	0.00
2	-0.50	32.07	0.00
3	-0.50	32.07	0.00
4	-0.50	32.07	0.00
5	-0.50	32.07	0.00
6	-0.50	32.07	0.00
7	-0.50	32.07	0.00
8	-0.50	32.07	0.00
9	-0.50	32.07	0.00
10	-0.50	32.07	0.00
11	-0.50	32.07	0.00
12	-1.10	32.07	0.00
13	-1.10	32.07	0.00
14	-1.10	32.07	0.00
15	-1.10	32.07	0.00
16	-1.10	32.07	0.00
17	-1.10	32.07	0.00
18	-1.10	32.07	0.00
19	-1.10	32.07	0.00
20	-1.10	32.07	0.00
21	-1.10	32.07	0.00
22	-1.10	32.07	0.00

COMFORT COVE NFLD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
7R 9.0 49.41 54.83 DEC 7, 1983 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

23	-1.10	32.07	0.00
24	-1.10	32.07	0.00
25	-1.10	32.07	0.00
26	-1.10	32.07	0.00
27	-1.10	32.07	0.00
28	-1.10	32.07	0.00
29	-1.10	32.07	0.00
30	-1.10	32.07	0.00
31	-1.10	32.07	0.00

TOTAL DEG. DAYS (0) FOR JAN/84 = 0.00

32	-1.10	32.07	0.00
33	-1.10	32.07	0.00
34	-1.10	32.07	0.00
35	-1.10	32.07	0.00
36	-1.10	32.07	0.00
37	-1.10	32.07	0.00
38	-1.10	32.07	0.00
39	-1.10	32.07	0.00
40	-1.10	32.07	0.00
41	-1.10	32.07	0.00
42	-1.10	32.07	0.00
43	-1.10	32.07	0.00
44	-1.10	32.07	0.00
45	-1.10	32.07	0.00
46	-1.10	32.07	0.00
47	-1.10	32.07	0.00
48	-1.10	32.07	0.00
49	-1.10	32.07	0.00
50	-1.10	32.07	0.00
51	-1.10	32.07	0.00
52	-1.10	32.07	0.00
53	-1.10	32.07	0.00
54	-1.10	32.07	0.00
55	-1.10	32.07	0.00
56	-1.10	32.07	0.00
57	-1.10	32.07	0.00
58	-1.10	32.07	0.00
59	-1.10	32.07	0.00
60	-1.10	32.07	0.00

TOTAL DEG. DAYS (0) FOR FEB/84 = 0.00

61	-1.10	32.07	0.00
62	-1.10	32.07	0.00
63	-1.10	32.07	0.00
64	-1.10	32.07	0.00
65	-1.10	32.07	0.00
66	-1.10	32.07	0.00

COMFORT COVE NFLD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
7R 9.0 49.41 54.83 DEC 7, 1983 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

67	-1.10	32.07	0.00
68	-1.10	32.07	0.00
69	-1.10	32.07	0.00
70	-1.10	32.07	0.00
71	-1.10	32.07	0.00
72	-1.10	32.07	0.00
73	-1.10	32.07	0.00
74	-1.10	32.07	0.00
75	-1.10	32.07	0.00
76	-1.10	32.07	0.00
77	-1.10	32.07	0.00
78	-1.10	32.07	0.00
79	-1.10	32.07	0.00
80	-1.10	32.07	0.00
81	-1.10	32.07	0.00
82	-1.10	32.07	0.00
83	-1.10	32.07	0.00
84	-1.10	32.07	0.00
85	-1.10	32.07	0.00
86	-1.10	32.07	0.00
87	-1.10	32.07	0.00
88	-1.10	32.07	0.00
89	-1.10	32.07	0.00
90	-1.10	32.07	0.00
91	-1.10	32.07	0.00

TOTAL DEG. DAYS (0) FOR MAR/84 = 0.00

92	-1.10	32.07	0.00
93	-1.10	32.07	0.00
94	-1.10	32.07	0.00
95	-1.10	32.07	0.00
96	-1.10	32.07	0.00
97	-1.10	32.07	0.00
98	-1.10	32.07	0.00
99	-1.10	32.07	0.00
100	-1.10	32.07	0.00
101	-1.10	32.07	0.00
102	-1.10	32.07	0.00
103	-1.10	32.07	0.00
104	-1.10	32.07	0.00
105	-1.10	32.07	0.00
106	-1.10	32.07	0.00
107	-1.10	32.07	0.00
108	-1.10	32.07	0.00
109	-1.10	32.07	0.00
110	-1.10	32.07	0.00
111	-1.10	32.07	0.00
112	-1.10	32.07	0.00
113	-1.10	32.07	0.00

COMFORT COVE NFD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
78 9.0 49.41 54.83 DEC 7, 1983 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

114	-1.10	32.07	0.00
115	-1.10	32.07	0.00
116	-1.10	32.07	0.00
117	-1.10	32.07	0.00
118	-1.10	32.07	0.00
119	-1.10	32.07	0.00
120	-1.10	32.07	0.00
121	-1.10	32.07	0.00

TOTAL DEG. DAYS (0) FOR APR/84 = 0.00

122	-1.10	32.07	0.00
123	-1.10	32.07	0.00
124	-1.10	32.07	0.00
125	-1.10	32.07	0.00
126	-1.10	32.07	0.00
127	-1.10	32.07	0.00
128	-1.10	32.07	0.00
129	-0.50	32.07	0.00
130	-0.80	32.07	0.00
131	-1.10	32.07	0.00
132	-1.10	32.07	0.00
133	-1.10	32.07	0.00
134	-1.10	32.07	0.00
135	-1.10	32.07	0.00
136	-1.10	32.07	0.00
137	-1.10	32.07	0.00

ESTIMATED DEG. DAYS (0) FOR MAY/84 = 0.00

COMFORT COVE NFD

STATION	DEPTH	LATITUDE	LONGITUDE	START
70	9.0	49.41	54.83	MAY 16, 1984 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
137	-0.10	0.20	0.00
138	-0.60	0.20	0.00
139	-0.60	0.20	0.00
140	-0.60	0.20	0.00
141	0.07	0.67	0.00
142	-0.43	0.73	0.00
143	-0.60	0.73	0.00
144	0.57	1.50	0.00
145	0.65	2.15	0.00
146	-0.35	2.22	0.00
147	0.07	2.58	0.00
148	1.73	4.32	0.00
149	2.32	6.63	0.07
150	3.07	9.70	0.53
151	3.07	12.77	1.00
152	5.07	17.83	2.27

ESTIMATED DEG. DAYS (0) FOR MAY/84 = 34.55

153	8.07	25.90	6.33
154	8.48	34.38	10.82
155	4.65	39.03	11.57
156	2.90	41.93	11.70
157	3.40	45.33	11.70
158	5.40	50.73	13.10
159	5.82	56.55	14.93
160	3.90	60.45	15.13
161	4.40	64.85	15.53
162	3.32	68.17	15.75
163	2.40	70.57	15.75
164	4.23	74.80	16.28
165	2.57	77.37	16.28
166	1.73	79.10	16.28
167	1.40	80.50	16.28
168	1.40	81.90	16.28
169	3.48	85.38	16.50
170	6.57	91.95	19.07
171	7.32	99.27	22.38
172	6.23	105.50	24.90
173	2.82	108.32	25.55
174	1.40	109.72	25.55
175	1.98	111.70	25.55
176	3.32	115.02	25.55
177	3.57	118.58	25.55
178	3.90	122.48	25.75
179	3.15	125.63	25.75
180	1.73	127.37	25.75
181	1.57	128.93	25.75
182	2.40	131.33	25.75

TOTAL DEG. DAYS (0) FOR JUNE/84 = 113.50

COMFORT COVE NFLO ... CONTINUED

STATION 70 DEPTH 9.0 LATITUDE 49.41 LONGITUDE 54.83 START MAY 16, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

183	3.32	134.65	25.82
184	3.65	138.30	25.95
185	4.23	142.53	26.47
186	5.82	148.35	28.30
187	7.07	155.42	31.37
188	3.48	158.90	31.43
189	3.32	162.22	31.43
190	3.65	165.87	31.43
191	4.48	170.35	32.02
192	3.73	174.08	32.15
193	4.57	178.65	33.12
194	3.32	181.97	33.12
195	3.23	185.20	33.12
196	2.73	187.93	33.12
197	4.07	192.00	33.48
198	5.22	197.32	34.92
199	6.73	204.05	37.65
200	5.23	209.28	38.98
201	5.57	214.85	40.75
202	13.97	228.82	50.72
203	4.57	233.38	51.28
204	10.02	243.40	57.30
205	14.80	258.20	68.10
206	12.17	270.37	76.27
207	15.30	285.67	87.57
208	14.30	299.97	97.87
209	14.38	314.35	108.25
210	12.72	327.07	116.97
211	11.63	338.70	124.60
212	11.82	350.52	132.42
213	12.13	362.65	140.55

TOTAL DEG. DAYS (0) FOR JULY/84 = 231.32

214	14.55	377.20	151.10
215	11.02	388.22	158.12
216	9.95	398.17	164.07
217	12.15	410.32	172.22
218	15.38	425.70	183.60
219	12.00	437.70	191.60
220	10.87	448.57	198.47
221	16.80	465.37	211.27
222	12.82	478.18	220.08
223	11.98	490.17	228.07
224	14.55	504.72	238.52
225	12.05	516.77	246.67
226	13.13	529.90	255.80
227	12.80	542.70	264.60
228	13.05	555.75	273.65
229	14.63	570.38	284.28

COMFORT COVE NFLD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
 70 9.0 49.41 54.83 MAY 16, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

230	15.88	586.27	296.17
231	13.33	599.60	305.50
232	11.73	611.33	313.23
233	12.30	623.63	321.53
234	11.40	635.03	328.93
235	10.85	645.88	335.78
236	12.80	658.68	344.58
237	12.63	671.32	353.22
238	11.15	682.47	360.37
239	9.55	692.02	365.92
240	12.47	704.48	374.38
241	13.80	718.28	384.18
242	14.05	732.33	394.23
243	11.50	743.83	401.73
244	13.05	756.88	410.78

TOTAL DEG. DAYS (0) FOR AUG/84 = 394.23

245	13.30	770.18	420.08
246	11.58	781.77	427.67
247	8.57	790.33	432.23
248	9.80	800.13	438.03
249	11.63	811.77	445.67
250	12.05	823.82	453.72
251	12.30	836.12	462.02
252	12.30	848.42	470.32
253	12.30	860.72	478.62
254	12.72	873.43	487.33
255	13.30	886.73	496.63
256	13.22	899.95	505.85
257	11.17	911.12	513.02
258	11.63	922.75	520.65
259	12.30	935.05	528.95
260	11.65	946.70	536.60
261	11.38	958.08	543.98
262	11.30	969.38	551.28

ESTIMATED DEG. DAYS (0) FOR SEPT/84 = 354.17

HILLGRADE NFLO

STATION DEPTH LATITUDE LONGITUDE START
 RA 1.0 49.57 54.70 OCT 7, 1983 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

280	11.60	11.60	7.60
281	11.35	22.95	14.95
282	11.10	34.05	22.05
283	11.10	45.15	29.15
284	10.85	56.00	36.00
285	10.60	66.60	42.50
286	10.60	77.20	49.20
287	10.68	87.88	55.88
288	11.10	98.98	62.98
289	11.02	110.00	70.00
290	10.60	120.60	76.60
291	10.10	130.70	82.70
292	10.00	140.70	88.70
293	9.92	150.62	94.62
294	9.33	159.95	99.95
295	9.00	168.95	104.95
296	9.00	177.95	109.95
297	8.50	186.45	114.45
298	8.17	194.62	118.62
299	6.85	201.47	121.47
300	6.15	207.62	123.52
301	6.90	214.52	126.52
302	6.90	221.42	129.42
303	6.90	228.32	132.32
304	5.90	235.22	135.22

ESTMATED DEG. DAYS (0) FOR OCT/83 = 291.67

305	6.90	242.12	138.12
306	6.48	248.60	140.60
307	6.40	255.00	143.00
308	6.40	261.40	145.40
309	6.40	267.80	147.80
310	6.07	273.87	149.87
311	5.90	279.77	151.77
312	5.90	285.67	153.67
313	5.90	291.57	155.57
314	5.90	297.47	157.47
315	5.90	303.37	159.37
316	5.90	309.27	161.27
317	5.90	315.17	163.17
318	5.90	321.07	165.07
319	5.32	326.38	166.38
320	4.90	331.28	167.28
321	4.90	336.18	168.18
322	4.57	340.75	168.75
323	4.82	345.57	169.57
324	4.90	350.47	170.47
325	4.90	355.37	171.37
326	4.40	359.77	171.77

HILLGRADE NFLO ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
PA 1.0 49.57 54.70 OCT 7, 1983 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

327	4.40	364.17	172.17
328	4.07	368.23	172.30
329	3.90	372.13	172.30
330	3.80	375.93	172.30
331	3.30	379.23	172.30
332	3.30	382.53	172.30
333	2.97	385.50	172.30
334	2.80	388.30	172.30

TOTAL DEG. DAYS (0) FOR NOV/83 = 153.08

335	2.80	391.10	172.30
336	2.72	393.82	172.30
337	2.30	396.12	172.30
338	2.30	398.42	172.30
339	1.97	400.38	172.30
340	1.80	402.18	172.30
341	1.80	403.98	172.30
342	1.80	405.78	172.30
343	1.80	407.58	172.30
344	1.80	409.38	172.30
345	1.80	411.18	172.30
346	1.55	412.73	172.30
347	1.30	414.03	172.30
348	1.30	415.33	172.30
349	1.30	416.63	172.30
350	1.30	417.93	172.30
351	1.30	419.23	172.30
352	1.30	420.53	172.30
353	1.05	421.58	172.30
354	0.80	422.38	172.30
355	0.38	422.77	172.30
356	0.20	423.02	172.30
357	-0.30	423.02	172.30
358	-0.30	423.02	172.30
359	-0.30	423.02	172.30
360	-0.30	423.02	172.30
361	-0.30	423.02	172.30
362	-0.30	423.02	172.30
363	-0.30	423.02	172.30
364	-0.30	423.02	172.30
365	-0.30	423.02	172.30

TOTAL DEG. DAYS (0) FOR DEC/83 = 34.72

1	-0.30	423.02	172.30
2	0.15	423.24	172.30

HILLGRADE NELD

STATION	DEPTH	LATITUDE	LONGITUDE	START
88	10.0	49.57	54.70	OCT 7, 1983 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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280	11.50	11.50	7.50
281	11.17	22.67	14.67
282	11.00	33.67	21.67
283	11.00	44.67	28.67
284	10.67	55.33	35.33
285	10.50	65.83	41.83
286	10.50	76.33	48.33
287	10.50	86.83	54.83
288	10.50	97.33	61.33
289	10.50	107.83	67.83
290	10.50	118.33	74.33
291	9.78	128.12	80.12
292	9.40	137.52	85.52
293	9.40	146.92	90.92
294	9.07	155.98	95.98
295	8.90	164.88	100.88
296	8.65	173.53	105.53
297	8.40	181.93	109.93
298	7.73	189.67	113.67
299	6.23	195.90	115.90
300	5.87	201.77	117.77
301	6.80	208.57	120.57
302	6.80	215.37	123.37
303	6.70	222.07	126.07
304	6.20	228.27	128.27

ESTIMATED DEG. DAYS (0) FOR OCT/93 = 283.05

305	6.20	234.47	130.47
306	6.20	240.67	132.67
307	6.20	246.87	134.87
308	6.20	253.07	137.07
309	5.87	258.93	138.93
310	5.70	264.63	140.63
311	5.53	270.17	142.17
312	5.45	275.62	143.62
313	5.70	281.32	145.32
314	5.70	287.02	147.02
315	5.20	292.22	148.22
316	5.20	297.42	149.42
317	5.20	302.62	150.62
318	5.20	307.82	151.82
319	4.70	312.52	152.52
320	4.60	317.12	153.12
321	4.60	321.72	153.72
322	4.10	325.82	153.82
323	4.10	329.92	153.92
324	4.10	334.02	154.02
325	4.10	338.12	154.12
326	4.10	342.22	154.22

HILLGRADE WFLD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
 RR 10.0 49.57 54.70 OCT 7, 1983 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

327	4.10	346.32	154.32
328	4.10	350.42	154.42
329	4.10	354.52	154.52
330	3.47	357.98	154.55
331	3.00	360.98	154.55
332	3.00	363.98	154.55
333	3.00	366.98	154.55
334	3.00	369.98	154.55

TOTAL DEG. DAYS (0) FOR NOV/83 = 141.72

335	2.58	372.57	154.55
336	2.50	375.07	154.55
337	2.50	377.57	154.55
338	2.08	379.65	154.55
339	2.00	381.65	154.55
340	2.00	383.65	154.55
341	2.00	385.65	154.55
342	2.00	387.65	154.55
343	2.00	389.65	154.55
344	2.00	391.65	154.55
345	1.90	393.55	154.55
346	0.98	394.53	154.55
347	0.90	395.43	154.55
348	0.90	396.33	154.55
349	0.90	397.23	154.55
350	0.90	398.13	154.55
351	0.90	399.03	154.55
352	0.90	399.93	154.55
353	0.73	400.67	154.55
354	0.15	400.87	154.55
355	-0.10	400.87	154.55
356	-0.10	400.87	154.55
357	-0.10	400.87	154.55
358	-0.10	400.87	154.55
359	-0.10	400.87	154.55
360	-0.30	400.87	154.55
361	-0.70	400.87	154.55
362	-0.70	400.87	154.55
363	-0.70	400.87	154.55
364	-0.70	400.87	154.55
365	-0.70	400.87	154.55

TOTAL DEG. DAYS (0) FOR DEC/83 = 30.88

1	-0.70	400.87	154.55
2	-0.95	400.87	154.55
3	-0.70	400.87	154.55
4	-0.70	400.87	154.55
5	-0.70	400.87	154.55

HERRING NECK NFD

STATION DEPTH LATITUDE LONGITUDE START
 0A 1.0 49.63 54.58 JUNE 12, 1984 24:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
164		* NO DATA *	
165	5.00	5.00	1.00
166	5.18	10.18	2.18
167	6.60	16.78	4.78
168	4.92	21.70	5.70
169	5.42	27.12	7.12
170	5.00	32.12	8.12
171	4.58	36.70	8.70
172	5.33	42.03	10.03
173	6.22	48.25	12.25
174	6.85	55.10	15.10
175	6.60	61.70	17.70
176	6.77	68.47	20.47
177	7.60	76.07	24.07
178	9.22	85.28	29.28
179	10.40	95.68	35.68
180	10.30	105.98	41.98
181	10.40	116.38	48.38
182	10.97	127.35	55.35

ESTIMATED DEG. DAYS (0) FOR JUNE/84 = 212.25

183	10.23	137.58	61.58
184	10.23	147.82	67.82
185	10.43	158.25	74.25
186	10.62	168.87	80.87
187	9.70	178.57	86.57
188	9.78	188.35	92.35
189	11.57	199.92	99.92
190	11.55	211.47	107.47
191	10.13	221.60	113.60
192	10.70	232.30	120.30
193	11.47	243.77	127.77
194	12.88	256.65	136.65
195	14.08	270.73	146.73
196	13.48	284.22	156.22
197	13.90	298.12	166.12
198	14.08	312.20	176.20
199	15.00	327.20	187.20
200	14.08	341.28	197.28
201	15.17	356.45	208.45
202	14.70	371.15	219.15
203	15.17	386.32	230.32
204	15.00	401.32	241.32
205	15.17	416.48	252.48
206	16.00	432.48	264.48
207	14.35	446.83	274.83
208	14.63	461.47	285.47
209	15.25	476.72	296.72
210	16.12	492.83	308.83

HERRING NECK WELD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
9A	1.0	49.03	54.58	JUNE 12, 1984 24:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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211	14.90	507.73	319.73
212	13.90	521.63	329.63
213	13.90	535.53	339.53

TOTAL DEG. DAYS (0) FOR JULY/84 = 408.18

214	13.90	549.43	349.43
215	13.98	563.42	359.42
216	15.03	578.45	370.45
217	15.83	594.28	382.28
218	16.92	611.20	395.20
219	15.50	626.70	406.70
220	15.92	642.62	418.62
221	16.00	658.62	430.62
222	16.00	674.62	442.62
223	16.00	690.62	454.62
224	16.00	706.62	466.62
225	16.08	722.70	478.70
226	16.60	739.30	491.30
227	16.80	756.10	504.10
228	16.00	772.10	516.10
229	16.00	788.10	528.10
230	16.00	804.10	540.10
231	16.17	820.27	552.27
232	16.50	836.77	564.77
233	16.00	852.77	576.77
234	16.00	868.77	588.77
235	16.00	884.77	600.77
236	15.42	900.18	612.18
237	15.00	915.18	623.18
238	14.45	929.63	633.63
239	13.90	943.53	643.53
240	14.08	957.62	653.62
241	15.00	972.62	664.62
242	15.00	987.62	675.62
243	15.17	1002.78	686.78
244	15.67	1018.45	698.45

TOTAL DEG. DAYS (0) FOR AUG/84 = 482.92

245	14.70	1033.15	709.15
246	14.50	1047.65	719.65
247	15.00	1062.65	730.65
248	14.60	1077.25	741.25
249	14.40	1091.65	751.65
250	14.15	1105.80	761.80
251	13.90	1119.70	771.70
252	13.98	1133.68	781.68
253	14.40	1148.08	792.08
254	14.40	1162.48	802.48

HEPRING NECK NFLD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
9A	1.0	49.63	54.58	JUNE 12, 1984 24:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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255	13.98	1176.47	812.47
256	13.82	1190.28	822.28
257	13.40	1203.68	831.68
258	13.15	1216.83	840.83
259	12.90	1229.73	849.73
260	12.80	1242.53	858.53
261	12.30	1254.83	866.83
262	12.30	1267.13	875.13
263	12.22	1279.35	883.35
264	11.80	1291.15	891.15
265	11.80	1302.95	898.95
266	11.80	1314.75	906.75
267	11.80	1326.55	914.55
268	11.80	1338.35	922.35
269	11.80	1350.15	930.15
270	11.80	1361.95	937.95
271	11.47	1373.42	945.42
272	10.97	1384.38	952.38
273	10.80	1395.18	959.18
274	10.80	1405.98	965.98

TOTAL DEG. DAYS (0) FOR SEPT/84 = 387.53

275	10.50	1416.48	972.48
276	10.20	1426.68	978.68
277	10.03	1436.72	984.72
278	9.53	1446.25	990.25
279	9.20	1455.45	995.45
280	9.20	1464.65	1000.65
281	9.20	1473.85	1005.85
282	8.78	1482.63	1010.63
283	8.70	1491.33	1015.33
284	8.70	1500.03	1020.03
285	8.40	1508.43	1024.43
286	8.10	1516.53	1028.53
287	8.10	1524.63	1032.63

ESTIMATED DEG. DAYS (0) FOR OCT/84 = 282.93

HERPING NECK FELD

STATION 98 DEPTH 10.0 LATITUDE 49.63 LONGITUDE 54.58 START JUNE 12, 1984 24:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
164		* NO DATA *	
165	2.28	2.28	0.00
166	2.20	4.48	0.00
167	1.95	6.43	0.00
168	2.87	9.30	0.00
169	1.20	10.50	0.00
170	1.45	11.95	0.00
171	2.37	14.32	0.00
172	3.32	17.63	0.10
173	4.63	22.27	0.77
174	5.38	27.65	2.15
175	5.80	33.45	3.95
176	2.47	35.92	4.25
177	1.20	37.12	4.25
178	1.37	38.48	4.25
179	2.98	41.47	4.43
180	4.28	45.75	4.88
181	5.13	50.88	6.02
182	4.30	55.18	6.42

ESTIMATED DEG. DAYS (0) FOR JUNE/84 = 91.97

183	4.13	59.32	6.68
184	4.13	63.45	6.88
185	4.47	67.92	7.38
186	2.28	70.20	7.38
187	3.83	74.03	7.82
188	6.55	80.58	10.37
189	6.80	87.38	13.17
190	4.43	91.82	14.07
191	3.75	95.57	14.37
192	7.55	103.12	17.92
193	7.10	110.22	21.02
194	7.47	117.68	24.48
195	6.93	124.62	27.42
196	9.15	133.77	32.57
197	11.05	144.82	39.62
198	11.67	156.48	47.28
199	5.67	162.15	49.15
200	5.92	168.07	51.13
201	11.00	179.07	58.13
202	10.72	189.78	64.85
203	12.00	201.78	72.85
204	12.17	213.95	81.02
205	12.67	226.62	89.68
206	12.15	238.77	97.83
207	11.75	250.52	105.58
208	12.00	262.52	113.58
209	12.00	274.52	121.58
210	12.00	286.52	129.58

ESTIMATED DEG. DAYS (0) FOR JULY/84 = 256.12

HERPING NECK NFDL

STATION	DEPTH	LATITUDE	LONGITUDE	START
90	1.0	49.63	54.58	OCT 17, 1984 20:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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291	5.60	5.60	1.60
292	6.10	11.70	3.70
293	5.93	17.63	5.63
294	5.60	23.23	7.23
295	5.60	28.83	8.83
296	5.60	34.43	10.43
297	5.60	40.03	12.03
298	5.60	45.63	13.63
299	5.60	51.23	15.23
300	5.60	56.83	16.83
301	5.60	62.43	18.43
302	5.10	67.53	19.53
303	5.10	72.63	20.63
304	5.10	77.73	21.73
305	5.10	82.83	22.83

ESTIMATED DEG. DAYS (0) FOR OCT/84 = 171.19

306	5.02	87.85	23.85
307	4.60	92.45	24.45
308	4.60	97.05	25.05
309	4.35	101.40	25.40
310	4.10	105.50	25.50
311	4.10	109.60	25.60
312	4.10	113.70	25.70
313	4.10	117.80	25.80
314	3.85	121.65	25.85
315	3.60	125.25	25.85
316	3.60	128.85	25.85
317	3.27	132.12	25.85
318	3.10	135.22	25.85
319	3.10	138.32	25.85
320	2.90	141.22	25.85
321	2.50	143.72	25.85
322	2.50	146.22	25.85
323	2.50	148.72	25.85
324	2.50	151.22	25.85
325	2.00	153.22	25.85
326	2.00	155.22	25.85
327	1.67	156.88	25.85
328	1.50	158.38	25.85
329	1.50	159.88	25.85
330	1.50	161.38	25.85
331	1.50	162.88	25.85
332	1.50	164.38	25.85
333	1.50	165.88	25.85
334	1.50	167.38	25.85
335	1.50	168.88	25.85

TOTAL DEG. DAYS (0) FOR NOV/84 = 86.05

HERRING NECK NFLD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
00 1.0 49.63 54.58 OCT 17, 1984 20:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

336	1.50	170.38	25.85
337	1.50	171.88	25.85
338	1.50	173.38	25.85
339	1.25	174.63	25.85
340	1.00	175.63	25.85
341	0.58	176.22	25.85
342	0.50	176.72	25.85
343	0.50	177.22	25.85
344	0.50	177.72	25.85
345	0.50	178.22	25.85
346	0.17	178.38	25.85
347	-0.08	178.38	25.85
348	-0.17	178.38	25.85
349	0.00	178.38	25.85
350	-0.08	178.38	25.85
351	-0.50	178.38	25.85
352	-0.50	178.38	25.85
353	-0.50	178.38	25.85
354	-0.50	178.38	25.85

ESTMATED DEG. DAYS (0) FOR DEC/84 = 15.50

HERRING NECK FELD

STATION DEPTH LATITUDE LONGITUDE START
00 10.0 49.63 54.58 OCT 17, 1984 20:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
291	5.00	6.00	2.00
292	6.00	12.00	4.00
293	6.00	18.00	6.00
294	6.00	24.00	8.00
295	6.00	30.00	10.00
296	6.00	36.00	12.00
297	6.00	42.00	14.00
298	6.00	48.00	16.00
299	6.00	54.00	18.00
300	6.00	60.00	20.00
301	5.50	65.50	21.50
302	5.50	71.00	23.00
303	5.50	76.50	24.50
304	5.50	82.00	26.00
305	5.50	87.50	27.50

ESTIMATED DEG. DAYS (0) FOR OCT/84 = 180.83

306	5.08	92.58	28.58
307	4.75	97.33	29.33
308	4.50	101.83	29.83
309	4.50	106.33	30.33
310	4.20	110.53	30.58
311	3.57	114.10	30.58
312	3.40	117.50	30.58
313	3.40	120.90	30.58
314	3.40	124.30	30.58
315	3.40	127.70	30.58
316	2.98	130.68	30.58
317	2.57	133.25	30.58
318	2.90	136.15	30.58
319	2.73	138.88	30.58
320	2.40	141.28	30.58
321	2.40	143.68	30.58
322	2.40	146.08	30.58
323	2.40	148.48	30.58
324	2.40	150.88	30.58
325	2.40	153.28	30.58
326	2.40	155.68	30.58
327	2.40	158.08	30.58
328	2.40	160.48	30.58
329	2.40	162.88	30.58
330	2.32	165.20	30.58
331	1.90	167.10	30.58
332	1.90	169.00	30.58
333	1.90	170.90	30.58
334	1.48	172.38	30.58
335	1.40	173.78	30.58

TOTAL DEG. DAYS (0) FOR NOV/84 = 86.28

HERRING NECK NFLD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
00	10.0	49.63	54.58	OCT 17, 1984 20:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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336	1.40	175.18	30.58
337	1.40	176.58	30.58
338	1.40	177.98	30.58
339	1.40	179.38	30.58
340	1.32	180.70	30.58
341	0.90	181.60	30.58
342	0.90	182.50	30.58
343	0.90	183.40	30.58
344	0.90	184.30	30.58
345	0.82	185.12	30.58
346	0.40	185.52	30.58
347	0.40	185.92	30.58
348	0.40	186.32	30.58
349	0.40	186.72	30.58
350	0.40	187.12	30.58
351	0.07	187.25	30.58
352	-0.10	187.25	30.58
353	-0.10	187.25	30.58
354	-0.10	187.25	30.58

ESTIMATED DEG. DAYS (0) FOR DEC/84 = 21.97

UPPER TERRA NOVA RIVER NFLD

STATION	DEPTH	LATITUDE	LONGITUDE	START
10	1.0	48.55	54.18	JUNE 20, 1984 20:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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172	15.40	15.40	11.40
173	14.65	30.05	22.05
174	13.73	43.78	31.78
175	11.48	55.27	39.27
176	10.73	66.00	46.00
177	10.82	76.82	52.82
178	12.73	89.55	61.55
179	13.65	103.20	71.20
180	13.40	116.60	80.60
181	13.65	130.25	90.25
182	14.23	144.48	100.48

ESTIMATED DEG. DAYS (0) FOR JUNE/84 = 394.05

183	15.23	159.72	111.72
184	15.57	175.28	123.28
185	14.57	189.85	133.85
186	14.82	204.67	144.67
187	15.73	220.40	156.40
188	16.65	237.05	169.05
189	16.98	254.03	182.03
190	19.57	273.60	197.60
191	20.98	294.58	214.58
192	21.15	315.73	231.73
193	21.40	337.13	249.13
194	21.07	358.20	266.20
195	20.15	378.35	282.35
196	19.40	397.75	297.75
197	19.65	417.40	313.40
198	18.73	436.13	328.13
199	19.32	454.45	342.45
200	18.07	472.52	356.52
201	19.48	492.00	372.00
202	19.82	511.82	387.82
203	20.90	532.72	404.72
204	20.65	553.37	421.37
205	19.23	572.60	436.60
206	18.65	591.25	451.25
207	17.90	609.15	465.15
208	18.15	627.30	479.30
209	18.57	645.87	493.87
210	18.48	664.35	508.35
211	18.23	682.58	522.58
212	17.98	700.57	536.57
213	18.90	719.47	551.47

TOTAL DEG. DAYS (0) FOR JULY/84 = 574.98

214	18.73	738.20	566.20
215	18.07	756.27	580.27

UPPER TERRA NOVA RIVER NFLD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
 10 1.0 48.55 54.18 JUNE 20, 1984 20:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

216	17.32	773.58	593.58
217	18.65	792.23	608.23
218	19.40	811.63	623.63
219	20.32	831.95	639.95
220	21.23	853.18	657.18
221	21.07	874.25	674.25
222	20.90	895.15	691.15
223	19.57	914.72	706.72
224	19.73	934.45	722.45
225	19.40	953.85	737.85
226	17.98	971.83	751.83
227	18.73	990.57	766.57
228	19.23	1009.80	781.80
229	19.98	1029.78	797.78
230	19.57	1049.35	813.35
231	19.90	1069.25	829.25
232	19.57	1088.82	844.82
233	19.40	1108.22	860.22
234	18.98	1127.20	875.20
235	17.65	1144.85	888.85
236	17.40	1162.25	902.25
237	17.40	1179.65	915.65
238	15.73	1195.33	927.33
239	14.40	1209.78	937.78
240	15.82	1225.60	949.60
241	16.73	1242.33	962.33
242	17.48	1259.82	975.82
243	17.48	1277.30	989.30
244	17.40	1294.70	1002.70

TOTAL DEG, DAYS (0) FOR AUG/84 = 575.23

245	17.40	1312.10	1016.10
246	15.98	1329.08	1029.08
247	15.40	1344.48	1040.48
248	14.48	1358.97	1050.97
249	14.73	1373.70	1061.70
250	15.40	1389.10	1073.10
251	15.90	1405.00	1085.00
252	15.23	1420.23	1096.23
253	14.57	1434.80	1106.80
254	15.07	1449.87	1117.87
255	16.23	1466.10	1130.10
256	16.40	1482.50	1142.50
257	14.73	1497.23	1153.23
258	12.65	1509.88	1161.88
259	12.40	1522.28	1170.28
260	12.40	1534.68	1178.68
261	12.40	1547.08	1187.08
262	12.48	1559.57	1195.57

STOCK COVE NFD

STATION	DEPTH	LATITUDE	LONGITUDE	START
11A	9.0	48.71	53.76	DEC 6, 1983 20:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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340	2.10	2.10	0.00
341	2.60	4.70	0.00
342	2.60	7.30	0.00
343	2.60	9.90	0.00
344	2.60	12.50	0.00
345	2.43	14.93	0.00
346	1.85	16.78	0.00
347	1.60	18.38	0.00
348	1.60	19.98	0.00
349	1.60	21.58	0.00
350	1.60	23.18	0.00
351	1.60	24.78	0.00
352	1.60	26.38	0.00
353	1.60	27.98	0.00
354	1.60	29.58	0.00
355	0.85	30.43	0.00
356	0.50	30.93	0.00
357	0.50	31.43	0.00
358	0.50	31.93	0.00
359	0.50	32.43	0.00
360	0.50	32.93	0.00
361	0.50	33.43	0.00
362	0.33	33.77	0.00
363	0.00	33.77	0.00
364	0.42	34.18	0.00
365	0.50	34.68	0.00

ESTIMATED DEG. DAYS (0) FOR DEC/83 = 41.35

1	0.08	34.77	0.00
2	0.00	34.77	0.00
3	-0.25	34.77	0.00
4	-0.50	34.77	0.00
5	-0.08	34.77	0.00
6	0.00	34.77	0.00
7	0.00	34.77	0.00
8	0.00	34.77	0.00
9	0.00	34.77	0.00
10	0.00	34.77	0.00
11	0.00	34.77	0.00
12	0.00	34.77	0.00
13	-0.58	34.77	0.00
14	-1.00	34.77	0.00
15	-1.00	34.77	0.00
16	-0.50	34.77	0.00
17	-0.50	34.77	0.00
18	-0.50	34.77	0.00
19	-0.50	34.77	0.00
20	-0.50	34.77	0.00
21	-0.50	34.77	0.00

STOCK COVE NFD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
 11A 9.0 48.71 53.76 DEC 6, 1983 20:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

22	-0.67	34.77	0.00
23	-1.00	34.77	0.00
24	-1.00	34.77	0.00
25	-0.75	34.77	0.00
26	-0.50	34.77	0.00
27	0.00	34.77	0.00
28	-0.33	34.77	0.00
29	-0.50	34.77	0.00
30	-0.50	34.77	0.00
31	-0.50	34.77	0.00

TOTAL DEG. DAYS (0) FOR JAN/84 = 0.08

32	-0.50	34.77	0.00
33	-0.50	34.77	0.00
34	-0.75	34.77	0.00
35	-0.75	34.77	0.00
36	-0.50	34.77	0.00
37	-0.50	34.77	0.00
38	-0.50	34.77	0.00
39	-0.50	34.77	0.00
40	-0.50	34.77	0.00
41	-0.50	34.77	0.00
42	-0.50	34.77	0.00
43	-0.50	34.77	0.00
44	-0.50	34.77	0.00
45	-0.75	34.77	0.00
46	-1.00	34.77	0.00
47	-0.50	34.77	0.00
48	-0.50	34.77	0.00
49	-0.50	34.77	0.00
50	-0.50	34.77	0.00
51	-0.50	34.77	0.00
52	-0.50	34.77	0.00
53	-0.50	34.77	0.00
54	-0.50	34.77	0.00
55	-0.50	34.77	0.00
56	-0.50	34.77	0.00
57	-0.50	34.77	0.00
58	-0.50	34.77	0.00
59	-0.50	34.77	0.00
60	-0.50	34.77	0.00

TOTAL DEG. DAYS (0) FOR FEB/84 = 0.00

61	-0.92	34.77	0.00
62	-1.00	34.77	0.00
63	-1.00	34.77	0.00
64	-1.00	34.77	0.00
65	-0.83	34.77	0.00

STOCK COVE NFD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
11A	9.0	48.71	53.76	DEC 6, 1983 20:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
66	-0.50	34.77	0.00
67	-0.50	34.77	0.00
68	-0.50	34.77	0.00
69	-0.50	34.77	0.00
70	-0.25	34.77	0.00
71	0.00	34.77	0.00
72	0.08	34.85	0.00
73	0.33	35.18	0.00
74	0.00	35.18	0.00
75	-0.50	35.18	0.00
76	-0.50	35.18	0.00
77	-0.50	35.18	0.00
78	-0.50	35.18	0.00
79	-0.50	35.18	0.00
80	-0.50	35.18	0.00

ESTIMATED DEG. DAYS (0) FOR MAR/84 = 0.65

STOCK COVE NFLD

STATION	DEPTH	LATITUDE	LONGITUDE	START
11R	9.0	48.71	53.76	DEC 6, 1983 20:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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340	1.90	1.90	0.00
341	2.23	4.13	0.00
342	2.40	6.53	0.00
343	1.90	8.43	0.00
344	1.90	10.33	0.00
345	1.82	12.15	0.00
346	1.40	13.55	0.00
347	1.40	14.95	0.00
348	1.40	16.35	0.00
349	1.40	17.75	0.00
350	1.40	19.15	0.00
351	1.40	20.55	0.00
352	1.40	21.95	0.00
353	0.98	22.93	0.00
354	0.90	23.83	0.00
355	0.48	24.32	0.00
356	0.40	24.72	0.00
357	0.40	25.12	0.00
358	0.40	25.52	0.00
359	0.07	25.65	0.00
360	-0.10	25.65	0.00
361	-0.10	25.65	0.00
362	-0.10	25.65	0.00
363	-0.10	25.65	0.00
364	-0.10	25.65	0.00
365	-0.10	25.65	0.00

ESTIMATED DEG. DAYS (0) FOR DEC/83 = 30.58

1	-0.10	25.65	0.00
2	-0.50	25.65	0.00
3	-0.50	25.65	0.00
4	-0.50	25.65	0.00
5	-0.23	25.65	0.00
6	-0.10	25.65	0.00
7	-0.10	25.65	0.00
8	-0.10	25.65	0.00
9	-0.50	25.65	0.00
10	-0.50	25.65	0.00
11	-0.50	25.65	0.00
12	-0.50	25.65	0.00
13	-0.83	25.65	0.00
14	-1.00	25.65	0.00
15	-1.00	25.65	0.00
16	-1.00	25.65	0.00
17	-1.00	25.65	0.00
18	-0.67	25.65	0.00
19	-0.58	25.65	0.00
20	-1.00	25.65	0.00
21	-1.00	25.65	0.00

STOCK COVE NFLD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
11R 9.0 48.71 53.76 DEC 6, 1983 20:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

22	-1.00	25.65	0.00
23	-1.00	25.65	0.00
24	-1.00	25.65	0.00
25	-1.00	25.65	0.00
26	-0.58	25.65	0.00
27	-0.10	25.65	0.00
28	-0.43	25.65	0.00
29	-0.67	25.65	0.00
30	-1.00	25.65	0.00
31	-1.00	25.65	0.00

TOTAL DEG. DAYS (0) FOR JAN/84 = 0.00

32	-1.00	25.65	0.00
33	-1.00	25.65	0.00
34	-1.00	25.65	0.00
35	-1.00	25.65	0.00
36	-0.83	25.65	0.00
37	-0.50	25.65	0.00
38	-0.50	25.65	0.00
39	-0.50	25.65	0.00
40	-0.50	25.65	0.00
41	-0.75	25.65	0.00
42	-1.00	25.65	0.00
43	-1.00	25.65	0.00
44	-1.00	25.65	0.00
45	-1.00	25.65	0.00
46	-0.37	25.65	0.00
47	-0.10	25.65	0.00
48	-0.10	25.65	0.00
49	-0.10	25.65	0.00
50	-0.50	25.65	0.00
51	-0.50	25.65	0.00
52	-0.92	25.65	0.00
53	-1.00	25.65	0.00
54	-1.00	25.65	0.00
55	-1.00	25.65	0.00
56	-1.00	25.65	0.00

ESTIMATED DFG. DAYS (0) FOR FEB/84 = 0.00

STOCK COME NELD

STATION	DEPTH	LATITUDE	LONGITUDE	START
110	9.0	48.71	53.76	MAY 15, 1984 20:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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136	-2.10	0.00	0.00
137	-2.10	0.00	0.00
138	-1.37	0.00	0.00
139	-1.00	0.00	0.00
140	-1.00	0.00	0.00
141	-1.17	0.00	0.00
142	-1.08	0.00	0.00
143	0.40	0.73	0.00
144	0.93	1.67	0.00
145	0.60	2.27	0.00
146	0.00	2.27	0.00
147	0.18	2.45	0.00
148	0.00	2.45	0.00
149	0.57	3.02	0.00
150	0.53	3.55	0.00
151	0.80	4.35	0.00
152	-0.83	4.35	0.00

ESTIMATED	DEG. DAYS (0) FOR MAY/84 =	7.93
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153	-1.73	4.35	0.00
154	-1.55	4.35	0.00
155	1.00	5.35	0.00
156	2.60	7.95	0.00
157	3.20	11.15	0.00
158	3.20	14.35	0.00
159	3.20	17.55	0.00
160	2.87	20.42	0.00
161	2.70	23.12	0.00
162	2.70	25.82	0.00
163	3.45	29.27	0.00
164	3.20	32.47	0.00
165	3.20	35.67	0.00
166	3.20	38.87	0.00
167	3.45	42.32	0.00
168	5.03	47.35	1.03
169	5.30	52.65	2.33
170	4.88	57.53	3.22
171	4.60	62.13	3.82
172	4.20	66.33	4.02
173	5.20	71.53	5.22
174	6.22	77.75	7.43
175	5.30	83.05	8.73
176	5.30	88.35	10.03
177	5.30	93.65	11.33
178	5.55	99.20	12.88
179	5.88	105.08	14.77
180	5.80	110.88	16.57
181	6.22	117.10	18.78
182	6.30	123.40	21.08

TOTAL	DEG. DAYS (0) FOR JUNE/84 =	119.05
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STOCK COVE WFLD ... CONTINUED

STATION 110 DEPTH 9.0 LATITUDE 48.71 LONGITUDE 53.76 START MAY 15, 1984 20:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

183	5.30	129.70	23.38
184	6.58	136.28	25.97
185	9.07	145.35	31.03
186	7.65	153.00	34.68
187	6.40	159.40	37.08
188	5.88	165.28	38.97
189	6.05	171.33	41.02
190	6.05	177.38	43.07
191	5.10	182.48	44.17
192	5.37	187.85	45.53
193	5.28	193.13	46.82
194	4.85	197.98	47.57
195	4.38	202.37	48.05
196	4.12	206.48	48.22
197	5.72	212.20	49.93
198	6.77	218.97	52.70
199	4.83	223.80	53.63
200	3.70	227.50	53.63
201	3.37	230.87	53.63
202	3.53	234.40	53.63
203	3.62	238.02	53.63
204	3.70	241.72	53.63
205	4.38	246.10	54.12
206	5.62	251.72	55.73
207	3.55	255.27	55.95
208	5.03	260.30	56.98
209	6.40	266.70	59.38
210	6.95	273.65	62.33
211	7.40	281.05	65.73
212	9.15	290.20	70.88
213	10.03	300.23	76.92

TOTAL DEG. DAYS (0) FOR JULY/84 = 176.83

214	8.52	308.75	81.43
215	9.60	318.35	87.03
216	11.10	329.45	94.13
217	10.77	340.22	100.90
218	11.43	351.65	108.33
219	11.27	362.92	115.60
220	11.27	374.18	122.87
221	9.85	384.03	128.72
222	12.05	396.08	136.77
223	13.53	409.62	146.30
224	12.05	421.67	154.35
225	13.53	435.20	163.88
226	13.70	448.90	173.58
227	13.62	462.52	183.20
228	13.97	476.48	193.17
229	13.70	490.18	202.87

STOCK COVE NFLD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
110 9.0 48.71 53.76 MAY 15, 1984 20:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

230	12.23	502.42	211.10
231	11.87	514.28	218.97
232	12.77	527.05	227.73
233	12.70	539.75	236.43
234	12.70	552.45	245.13
235	13.45	565.90	254.53
236	14.80	580.70	265.38
237	14.80	595.50	276.13
238	14.80	610.30	286.98
239	14.80	625.10	297.78
240	14.80	639.90	308.53
241	14.05	653.95	318.63
242	14.62	668.57	329.25
243	14.80	683.37	340.05
244	14.80	698.17	350.85

TOTAL DEG. DAYS (0) FOR AUG/84 = 397.93

245	14.30	712.47	361.15
246	14.50	726.97	371.65
247	14.50	741.47	382.15
248	14.20	755.67	392.35
249	14.20	769.87	402.55
250	14.20	784.07	412.75
251	14.20	798.27	422.95
252	14.20	812.47	433.15
253	14.20	826.67	443.35
254	13.70	840.37	453.05
255	13.70	854.07	462.75
256	13.87	867.93	472.62
257	14.03	881.97	482.65
258	13.37	895.33	492.02
259	12.70	908.03	500.72
260	12.70	920.73	509.42
261	12.70	933.43	518.12

ESTIMATED DEG. DAYS (0) FOR SEPT/84 = 415.18

STOCK COVE NFLD

STATION 110 DEPTH 9.0 LATITUDE 48.71 LONGITUDE 53.76 START MAY 15, 1984 20:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
136	-1.30	0.00	0.00
137	-1.30	0.00	0.00
138	-0.97	0.00	0.00
139	-0.63	0.00	0.00
140	-0.30	0.00	0.00
141	-0.80	0.00	0.00
142	-0.47	0.00	0.00
143	0.77	0.87	0.00
144	1.30	2.17	0.00
145	1.00	3.17	0.00
146	0.70	3.87	0.00
147	0.80	4.67	0.00
148	0.28	5.05	0.00
149	1.25	6.30	0.00
150	1.23	7.53	0.00
151	0.98	8.62	0.00
152	-0.47	8.62	0.00

ESTIMATED DEG. DAYS (0) FOR MAY/84 = 15.71

153	-1.22	8.62	0.00
154	-0.97	8.62	0.00
155	1.60	10.22	0.00
156	2.88	13.10	0.00
157	3.30	16.40	0.00
158	3.30	19.70	0.00
159	3.30	23.00	0.00
160	3.13	26.13	0.00
161	3.22	29.35	0.00
162	3.30	32.65	0.00
163	3.72	36.37	0.00
164	3.30	39.67	0.00
165	3.47	43.13	0.00
166	3.55	46.68	0.00
167	3.88	50.57	0.05
168	5.22	55.78	1.27
169	5.22	61.00	2.48
170	4.97	65.97	3.45
171	4.80	70.77	4.25
172	4.63	75.40	4.88
173	5.63	81.03	6.52
174	6.63	87.67	9.15
175	5.30	92.97	10.45
176	5.63	98.60	12.08
177	5.80	104.40	13.88
178	5.80	110.20	15.68
179	5.97	116.17	17.65
180	5.80	121.97	19.45
181	6.55	128.52	22.00
182	6.30	134.82	24.30

TOTAL DEG. DAYS (0) FOR JUNE/84 = 126.20

STOCK COVE NFED ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
110	9.0	48.71	53.76	MAY 15, 1984 20:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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183	6.72	141.53	27.02
184	6.73	148.27	29.75
185	9.15	157.42	34.90
186	7.70	165.12	38.60
187	6.55	171.67	41.15
188	5.80	177.47	42.95
189	6.05	183.52	45.00
190	6.05	189.57	47.05
191	5.22	194.78	48.27
192	5.47	200.25	49.73
193	5.30	205.55	51.07
194	5.13	210.68	52.23
195	4.47	215.15	52.73
196	4.30	219.45	53.07
197	6.33	225.78	55.40
198	7.02	232.80	58.42
199	5.13	237.93	59.62
200	3.88	241.82	59.67
201	3.80	245.62	59.67
202	3.97	249.58	59.77
203	3.80	253.38	59.77
204	3.80	257.18	59.77
205	4.88	262.07	60.72
206	5.75	267.82	62.47
207	3.72	271.53	62.60
208	5.55	277.08	64.15
209	6.80	283.88	66.95
210	7.35	291.23	70.30
211	7.72	298.95	74.02
212	9.40	308.35	79.42
213	10.23	318.58	85.65

TOTAL DEG. DAYS (0) FOR JULY/84 = 183.77

214	8.73	327.32	90.38
215	9.57	336.88	95.95
216	11.32	348.20	103.27
217	10.98	359.18	110.25
218	11.40	370.58	117.65
219	11.48	382.07	125.13
220	11.48	393.55	132.62
221	9.98	403.53	138.60
222	11.95	415.48	146.55
223	13.17	428.65	155.72
224	11.92	440.57	163.63
225	13.83	454.40	173.47
226	13.58	467.98	183.05
227	13.58	481.57	192.63
228	14.00	495.57	202.63
229	13.50	509.07	212.13

STOCK COVE NFD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
110 9.0 48.71 53.76 MAY 15, 1984 20:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

230	11.73	520.80	219.87
231	11.90	532.70	227.77
232	12.82	545.52	236.58
233	13.00	558.52	245.58
234	13.00	571.52	254.58
235	13.67	585.18	264.25
236	14.92	600.10	275.17
237	15.00	615.10	286.17
238	15.00	630.10	297.17
239	14.50	644.60	307.67
240	14.08	658.68	317.75
241	14.00	672.68	327.75
242	14.25	686.93	338.00
243	14.50	701.43	348.50
244	14.50	715.93	359.00

TOTAL DFG. DAYS (0) FOR AUG/84 = 397.35

245	14.50	730.43	369.50
246	14.50	744.93	380.00
247	14.17	759.10	390.17
248	14.00	773.10	400.17
249	14.00	787.10	410.17
250	14.00	801.10	420.17
251	14.00	815.10	430.17
252	14.00	829.10	440.17
253	14.00	843.10	450.17
254	14.00	857.10	460.17
255	13.58	870.68	469.75
256	13.58	884.27	479.33
257	14.00	898.27	489.33
258	13.42	911.68	498.75
259	12.40	924.08	507.15
260	12.80	936.88	515.95
261	12.40	949.28	524.35

ESTIMATED DEG. DAYS (0) FOR SEPT/84 = 411.79

SALVAGE BAY NFLD

STATION DEPTH LATITUDE LONGITUDE START
 12A 1.0 48.68 53.65 MAY 30, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

151	5.10	5.10	1.10
152	5.50	10.60	2.60
153	3.83	14.43	2.98
154	3.03	17.47	3.10
155	4.33	21.80	3.57
156	4.70	26.50	4.27
157	4.53	31.03	4.80
158	4.28	35.32	5.08
159	4.70	40.02	5.78
160	4.70	44.72	6.48
161	4.78	49.50	7.27
162	4.43	53.93	7.77
163	4.70	58.63	8.47
164	4.53	63.17	9.00
165	4.70	67.87	9.70
166	6.07	73.93	11.77
167	6.65	80.58	14.42
168	6.12	86.70	16.53
169	5.70	92.40	18.23
170	5.70	98.10	19.93
171	6.20	104.30	22.13
172	5.78	110.08	23.92
173	6.63	116.72	26.55
174	5.47	123.18	29.02
175	6.20	129.38	31.22
176	6.20	135.58	33.42
177	6.55	142.13	35.97
178	7.55	149.68	39.52
179	6.90	156.58	42.42
180	7.30	163.88	45.72
181	7.97	171.85	49.68
182	8.80	180.65	54.48

TOTAL DEG. DAYS (0) FOR JUNE/84 = 170.05

183	8.88	189.53	59.37
184	9.80	199.33	65.17
185	9.30	208.63	70.47
186	9.38	218.02	75.85
187	9.47	227.48	81.32
188	10.23	237.72	87.55
189	12.07	249.78	95.62
190	11.75	261.53	103.37
191	10.10	271.63	109.47
192	9.68	291.32	115.15
193	10.43	291.75	121.58
194	10.27	302.02	127.85
195	9.30	311.32	133.15
196	8.63	319.95	137.78
197	10.63	330.58	144.42

SALVAGE BAY NFED ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
12A	1.0	48.68	53.65	MAY 30, 1984 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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198	11.90	342.48	152.32
199	11.03	353.52	159.35
200	8.97	362.48	164.32
201	11.90	374.38	172.22
202	10.52	384.90	178.73
203	11.90	396.80	186.63
204	10.27	407.07	192.90
205	10.62	417.68	199.52
206	10.78	428.47	206.30
207	8.18	436.65	210.48
208	10.72	447.37	217.20
209	10.90	458.27	224.10
210	11.57	469.83	231.67
211	12.15	481.98	239.82
212	11.97	493.95	247.78
213	13.43	507.38	257.22

TOTAL DEG. DAYS (0) FOR JULY/84 = 326.73

214	12.40	519.78	265.62
215	11.12	530.90	272.73
216	12.92	543.82	281.65
217	14.08	557.90	291.73
218	13.52	571.42	301.25
219	14.50	585.92	311.75
220	16.00	601.92	323.75
221	14.32	616.23	334.07
222	14.15	630.38	344.22
223	15.00	645.38	355.22
224	14.50	659.88	365.72
225	14.50	674.38	376.22
226	14.67	689.05	386.88
227	14.67	703.72	397.55
228	15.42	719.13	408.97
229	15.75	734.88	420.72
230	15.00	749.88	431.72
231	15.00	764.88	442.72
232	15.50	780.38	454.22
233	16.00	796.38	466.22
234	16.00	812.38	478.22
235	15.50	827.88	489.72
236	15.17	843.05	500.88
237	15.67	858.72	512.55
238	15.42	874.13	523.97
239	15.00	889.13	534.97
240	14.92	904.05	545.88
241	14.25	918.30	556.13
242	15.17	933.47	567.30
243	16.00	949.47	579.30
244	16.00	965.47	591.30

TOTAL DEG. DAYS (0) FOR AUG/84 = 458.08

SALVAGE BAY NFLO

STATION DEPTH LATITUDE LONGITUDE START
12R 10.0 48.68 53.65 MAY 30, 1984 12:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

151	2.30	2.30	0.00
152	1.00	3.30	0.00
153	-0.22	3.52	0.00
154	-0.30	3.67	0.00
155	1.93	5.62	0.00
156	3.33	8.95	0.00
157	3.42	12.37	0.00
158	3.25	15.62	0.00
159	3.92	19.53	0.00
160	3.42	22.95	0.00
161	3.00	25.95	0.00
162	2.30	28.25	0.00
163	3.15	31.40	0.00
164	3.50	34.90	0.00
165	3.75	38.65	0.00
166	3.83	42.48	0.17

ESTIMATED DEG. DAYS (0) FOR JUNE/84 = 83.96

MELROSE FIELD

STATION 13A DEPTH 9.0 LATITUDE 48.47 LONGITUDE 53.04 START SEPT 6, 1984 20:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

250	12.10	12.10	8.10
251	11.85	23.95	15.95
252	12.10	36.05	24.05
253	11.60	47.65	31.65
254	11.68	59.33	39.33
255	11.50	70.83	46.83
256	11.18	82.02	54.02
257	11.43	93.45	61.45
258	11.27	104.72	68.72
259	10.85	115.57	75.57
260	10.25	125.82	81.82
261	9.17	134.98	86.98
262	9.50	144.48	92.48
263	9.50	153.98	97.98
264	9.50	163.48	103.48
265	9.33	172.82	108.82
266	9.42	182.23	114.23
267	9.50	191.73	119.73
268	9.50	201.23	125.23
269	9.50	210.73	130.73
270	9.50	220.23	136.23
271	9.50	229.73	141.73
272	9.50	239.23	147.23
273	9.50	248.73	152.73
274	9.50	258.23	158.23

ESTIMATED DEG. DAYS (0) FOR SEPT/84 = 309.88

275	9.50	267.73	163.73
276	9.50	277.23	169.23
277	9.08	286.32	174.32
278	9.00	295.32	179.32
279	7.85	303.17	183.17
280	7.15	310.32	186.32
281	7.23	317.55	189.55
282	7.40	324.95	192.95
283	7.40	332.35	196.35
284	7.40	339.75	199.75
285	7.40	347.15	203.15
286	7.40	354.55	206.55
287	7.15	361.70	209.70
288	6.90	368.60	212.60
289	6.57	375.17	215.17
290	6.40	381.57	217.57
291	6.82	388.38	220.38
292	6.40	394.78	222.78
293	6.40	401.18	225.18
294	6.40	407.58	227.58
295	6.40	413.98	229.98
296	6.40	420.38	232.38

MELROSE NFLD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
13A	9.0	48.47	53.04	SEPT 6, 1984 20:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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297	6.40	426.78	234.78
298	6.12	432.90	236.90
299	5.80	438.70	238.70
300	5.80	444.50	240.50
301	5.30	449.80	241.80
302	5.30	455.10	243.10
303	5.30	460.40	244.40
304	5.30	465.70	245.70
305	5.30	471.00	247.00

TOTAL DEG. DAYS (0) FOR OCT/84 = 212.77

306	4.30	475.30	247.30
307	4.20	479.50	247.50
308	4.20	483.70	247.70
309	4.20	487.90	247.90
310	4.20	492.10	248.10

MELROSE NFLD

STATION	DEPTH	LATITUDE	LONGITUDE	START
138	27.5	48.47	53.04	SEPT 6, 1984 20:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
------------	------------	--------------	--------------

250	13.20	13.20	9.20
251	12.70	25.90	17.90
252	7.28	33.18	21.18
253	4.30	37.48	21.58
254	11.12	48.60	28.70
255	13.20	61.80	37.90
256	9.15	70.95	43.05
257	4.38	75.33	43.50
258	7.72	83.05	47.22
259	6.78	89.83	50.00
260	6.37	96.20	52.37
261	9.53	105.73	57.90
262	6.80	112.53	60.70
263	4.05	116.58	60.97
264	3.22	119.80	60.97
265	3.83	123.68	61.02
266	4.77	128.45	61.85
267	8.12	136.57	65.97
268	8.28	144.85	70.25
269	5.95	150.80	72.20
270	7.03	157.83	75.23
271	6.95	164.78	78.18
272	8.87	173.65	83.05
273	9.70	183.35	88.75
274	10.70	194.05	95.45

ESTIMATED DEG. DAYS (0) FOR SEPT/84 = 232.86

275	10.28	204.33	101.73
276	8.28	212.62	106.02
277	4.05	216.67	106.42
278	4.60	221.27	107.12
279	5.88	227.15	109.00
280	5.97	233.12	110.97
281	9.80	242.92	116.77
282	9.20	252.12	121.97
283	9.20	261.32	127.17
284	9.20	270.52	132.37
285	9.20	279.72	137.57
286	9.20	288.92	142.77
287	9.20	298.12	147.97
288	8.95	307.07	152.92
289	8.70	315.77	157.62
290	8.70	324.47	162.32
291	8.70	333.17	167.02
292	8.70	341.87	171.72
293	8.70	350.57	176.42
294	8.70	359.27	181.12
295	8.70	367.97	185.82
296	8.70	376.67	190.52

MELROSE FIELD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
13 ⁿ	27.5	48.47	53.04	SEPT 6, 1984 20:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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297	8.70	385.37	195.22
298	8.20	393.57	199.42
299	8.20	401.77	203.62
300	8.20	409.97	207.82
301	8.20	418.17	212.02
302	8.20	426.37	216.22
303	7.78	434.15	220.00
304	6.95	441.10	222.95
305	5.70	446.80	224.65

TOTAL DEG. DAYS (0) FOR OCT/84 = 252.75

306	4.95	451.75	225.60
307	5.97	457.72	227.57
308	6.20	463.92	229.77
309	6.20	470.12	231.97
310	6.20	476.32	234.17

GOOSEBERRY COVE FELD

STATION DEPTH LATITUDE LONGITUDE START
 14A 18.0 48.00 53.60 JUNE 9, 1984 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
161	1.40	1.40	0.00
162	0.57	1.97	0.00
163	2.65	4.62	0.00
164	2.07	6.68	0.00
165	2.23	8.92	0.00
166	1.48	10.40	0.00
167	2.40	12.80	0.00
168	4.32	17.12	0.62
169	5.23	22.35	1.85
170	4.23	26.58	2.18
171	2.23	28.82	2.18
172	3.32	32.13	2.18
173	3.90	36.03	2.18
174	3.90	39.93	2.32
175	4.82	44.75	3.13
176	5.07	49.82	4.20
177	5.40	55.22	5.60
178	5.40	60.62	7.00
179	5.40	66.02	8.40
180	5.40	71.42	9.80
181	5.40	76.82	11.20
182	5.40	82.22	12.60

ESTIMATED DEG. DAYS (0) FOR JUNE/84 = 112.11

183	5.40	87.62	14.00
184	6.07	93.68	16.07
185	6.40	100.08	18.47
186	6.57	106.65	21.03
187	5.90	112.55	22.93
188	4.07	116.62	23.37
189	2.73	119.35	23.37
190	3.15	122.50	23.37
191	3.15	125.65	23.37
192	3.73	129.38	23.57
193	4.65	134.03	24.22
194	4.90	138.93	25.12
195	5.40	144.33	26.52
196	4.73	149.07	27.25
197	4.48	153.55	27.73
198	4.98	158.53	28.72
199	5.48	164.02	30.20
200	4.23	168.25	30.53
201	3.48	171.73	30.53
202	3.48	175.22	30.53
203	3.23	178.45	30.53
204	2.65	181.10	30.53
205	2.73	183.83	30.53
206	2.57	186.40	30.53
207	2.07	188.47	30.53

GOOSEBERRY COVE NFLD ... CONTINUED

STATION 14A DEPTH 18.0 LATITUDE 48.00 LONGITUDE 53.60 START JUNE 9, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

208	2.15	190.62	30.53
209	3.23	193.85	30.53
210	2.90	196.75	30.53
211	4.90	201.65	31.43
212	5.73	207.38	33.17
213	5.48	212.87	34.65

TOTAL DEG. DAYS (0) FOR JULY/84 = 130.65

214	4.32	217.18	35.02
215	3.98	221.17	35.08
216	4.48	225.65	35.62
217	3.57	229.22	35.62
218	4.23	233.45	35.88
219	3.90	237.35	36.08
220	4.15	241.50	36.43
221	3.65	245.15	36.50
222	6.73	251.88	39.43
223	11.03	262.92	46.47
224	8.15	271.07	50.62
225	9.93	281.00	56.55
226	11.10	292.10	63.65
227	9.32	301.42	68.97
228	9.07	310.48	74.03
229	9.40	319.88	79.43
230	7.82	327.70	83.25
231	6.73	334.43	85.98
232	7.82	342.25	89.80
233	8.65	350.90	94.45
234	11.70	362.60	102.15
235	12.98	375.58	111.13
236	13.67	389.25	120.80
237	14.67	403.92	131.47
238	15.50	419.42	142.97
239	15.25	434.67	154.22
240	14.58	449.25	164.80
241	11.93	461.18	172.73
242	9.48	470.67	178.22
243	8.07	478.73	182.28
244	8.07	486.80	186.35

TOTAL DEG. DAYS (0) FOR AUG/84 = 273.93

245	10.40	497.20	192.75
246	12.62	509.82	201.37
247	15.00	524.82	212.37
248	14.00	538.82	222.37
249	14.00	552.82	232.37
250	15.00	567.82	243.37

GOOSEBERRY COVE FELD

STATION	DEPTH	LATITUDE	LONGITUDE	START
148	27.4	48.00	53.60	JUNE 9, 1984 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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161	0.30	0.30	0.00
162	0.30	0.60	0.00
163	0.55	1.15	0.00
164	0.30	1.45	0.00
165	0.63	2.08	0.00
166	0.30	2.38	0.00
167	0.30	2.68	0.00
168	0.30	2.98	0.00
169	2.13	5.12	0.05
170	4.30	9.42	0.35
171	1.30	10.72	0.35
172	0.30	11.02	0.35
173	1.22	12.23	0.35
174	1.80	14.03	0.35
175	3.47	17.50	0.35
176	4.30	21.80	0.65
177	4.30	26.10	0.95
178	4.30	30.40	1.25
179	4.30	34.70	1.55
180	4.30	39.00	1.85
181	4.30	43.30	2.15
182	4.30	47.60	2.45

ESTIMATED DEG. DAYS (0) FOR JUNE/84 = 64.91

183	4.13	51.73	2.70
184	1.57	53.30	2.85
185	1.05	54.35	2.85
186	1.38	55.73	2.85
187	2.30	58.03	2.85
188	2.72	60.75	2.85
189	3.30	64.05	2.85
190	2.63	66.68	2.85
191	2.30	68.98	2.85
192	2.72	71.70	2.85
193	2.30	74.00	2.85
194	2.30	76.30	2.85
195	2.13	78.43	2.85
196	1.38	79.82	2.85
197	1.13	80.95	2.85
198	0.97	81.92	2.85
199	1.72	83.63	2.85
200	3.05	86.68	2.85
201	3.30	89.98	2.85
202	2.80	92.78	2.85
203	2.30	95.08	2.85
204	2.30	97.38	2.85
205	2.30	99.68	2.85
206	2.30	101.98	2.85
207	2.72	104.70	2.85

GOOSEBERRY COVE NFLD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
14B	27.4	48.00	53.60	JUNE 9, 1984 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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208	4.23	108.93	3.15
209	4.32	113.25	3.53
210	5.73	118.98	5.27
211	3.97	122.95	5.42
212	6.50	129.45	7.92

ESTIMATED DEG. DAYS (0) FOR JULY/84 = 84.58

DEER HARBOUR NFLD

STATION	DEPTH	LATITUDE	LONGITUDE	START
15A	18.0	47.94	53.67	JUNE 9, 1984 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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161	0.10	0.30	0.00
162	-0.40	0.30	0.00
163	0.60	0.90	0.00
164	0.60	1.50	0.00
165	0.60	2.10	0.00
166	-0.07	2.30	0.00
167	0.10	2.60	0.00
168	2.22	4.82	0.03
169	3.75	8.57	0.42
170	0.68	9.25	0.42
171	0.10	9.55	0.42
172	-0.40	9.55	0.42
173	-0.07	9.68	0.42
174	0.60	10.28	0.42
175	1.43	11.72	0.42
176	2.97	14.68	0.42
177	3.20	17.88	0.42
178	3.60	21.48	0.42
179	4.03	25.52	0.55
180	4.20	29.72	0.75
181	4.45	34.17	1.20
182	4.70	38.87	1.90

ESTIMATED DEG. DAYS (0) FOR JUNE/84 = 53.00

183	4.70	43.57	2.60
184	4.70	48.27	3.30
185	4.70	52.97	4.00
186	4.20	57.17	4.20
187	3.78	60.95	4.23
188	3.70	64.65	4.23
189	3.40	68.05	4.23
190	3.10	71.15	4.23
191	3.50	74.65	4.23
192	4.03	78.68	4.37
193	4.95	83.63	5.32
194	3.83	87.47	5.58
195	1.10	88.57	5.58
196	0.60	89.17	5.58
197	0.60	89.77	5.58
198	0.60	90.37	5.58
199	1.60	91.97	5.58
200	2.02	93.98	5.58
201	2.60	96.58	5.58
202	2.02	98.60	5.58
203	2.18	100.78	5.58
204	2.02	102.80	5.58
205	1.85	104.65	5.58
206	1.60	106.25	5.58
207	1.60	107.85	5.58

DEER HARBOUR NFLD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
15A	18.0	47.94	53.67	JUNE 9, 1984 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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208	1.10	108.95	5.58
209	0.77	109.72	5.58
210	0.60	110.32	5.58
211	0.60	110.92	5.58
212	0.77	111.68	5.58
213	1.60	113.28	5.58

TOTAL	DEG. DAYS (0) FOR JULY/84 =	74.42
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214	1.60	114.88	5.58
215	1.60	116.48	5.58
216	1.77	118.25	5.58
217	4.00	122.25	5.97
218	3.48	125.73	6.00
219	3.30	129.03	6.00
220	5.53	134.57	7.53
221	5.37	139.93	8.90
222	4.53	144.47	9.48
223	3.70	148.17	9.48
224	3.40	151.57	9.48
225	3.20	154.77	9.48
226	4.37	159.13	9.90
227	5.53	164.67	11.43
228	6.37	171.03	13.80
229	7.77	178.80	17.57
230	12.80	191.60	26.37
231	4.03	195.63	26.55
232	3.70	199.33	26.55
233	4.53	203.87	27.08
234	4.62	208.48	27.70
235	10.30	218.78	34.00

ESTIMATED	DEG. DAYS (0) FOR AUG/84 =	148.66
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DEER HARBOUR NFLD

STATION DEPTH LATITUDE LONGITUDE START
15R 27.0 47.94 53.67 JUNE 9, 1984 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
161	1.55	1.55	0.00
162	1.93	3.48	0.00
163	2.68	6.17	0.00
164	2.43	8.60	0.00
165	2.10	10.70	0.00
166	2.10	12.80	0.00
167	2.43	15.23	0.00
168	4.20	19.43	0.20
169	2.00	21.43	0.20
170	3.05	24.48	0.27
171	4.20	28.68	0.47
172	4.20	32.88	0.67
173	5.20	38.08	1.87

ESTIMATED DEG. DAYS (0) FOR JUNE/84 = 87.88

CHANCE COVE NFLD

STATION	DEPTH	LATITUDE	LONGITUDE	START
15A	9.0	47.68	53.80	JUNE 14, 1984 20:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
166	3.60	3.60	0.00
167	2.85	6.45	0.00
168	4.60	11.05	0.60
169	4.43	15.48	1.03
170	3.77	19.25	1.07
171	3.10	22.35	1.07
172	0.68	23.10	1.07
173	-0.15	23.22	1.07
174	2.68	25.90	1.07
175	4.68	30.58	1.75
176	5.18	35.77	2.93
177	5.60	41.37	4.53
178	5.60	46.97	6.13
179	5.60	52.57	7.73
180	5.18	57.75	8.92
181	4.68	62.43	9.60
182	5.52	67.95	11.12

ESTIMATED DEG. DAYS (0) FOR JUNE/84 = 119.91

183	5.18	73.13	12.30
184	6.27	79.40	14.57
185	7.60	87.00	18.17
186	6.52	93.52	20.68
187	5.35	98.87	22.03
188	4.35	103.22	22.38
189	4.27	107.48	22.65
190	4.43	111.92	23.22
191	4.52	116.43	23.73
192	4.10	120.53	23.97
193	5.18	125.72	25.22
194	6.10	131.82	27.32
195	6.93	138.75	30.25
196	5.85	144.60	32.10
197	4.27	148.87	32.63
198	5.10	153.97	33.80
199	3.68	157.65	33.90
200	3.60	161.25	33.90
201	4.85	166.10	34.75
202	3.18	169.28	34.75
203	3.27	172.55	34.78
204	2.77	175.32	34.78
205	2.02	177.33	34.78
206	1.35	178.68	34.78
207	0.77	179.45	34.78
208	1.60	181.05	34.73
209	1.68	182.73	34.78
210	2.52	185.25	34.78
211	5.18	190.43	35.97
212	6.52	196.95	38.48

CHANCE COVE NFLO ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
16A 9.0 47.68 53.80 JUNE 14, 1984 20:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)
213 6.02 202.97 40.50
TOTAL DEG. DAYS (0) FOR JULY/84 = 135.02

214	4.60	207.57	41.10
215	3.93	211.50	41.40
216	7.10	218.60	44.50
217	6.27	224.87	46.77
218	6.10	230.97	48.87
219	4.93	235.90	49.80
220	4.10	240.00	50.17
221	3.52	243.52	50.27
222	5.52	249.03	51.85
223	8.60	257.63	56.45
224	10.27	267.90	62.72
225	9.35	277.25	68.07
226	11.10	288.35	75.17
227	11.27	299.62	82.43
228	12.02	311.63	90.45
229	11.60	323.23	98.05
230	10.52	333.75	104.57
231	7.43	341.18	108.00
232	7.52	348.70	111.52
233	12.52	361.22	120.03
234	13.77	374.98	129.80
235	14.10	389.08	139.90
236	14.52	403.60	150.42
237	14.35	417.95	160.77
238	15.10	433.05	171.87
239	14.77	447.82	182.63
240	14.60	462.42	193.23
241	13.60	476.02	202.83
242	12.77	488.78	211.60
243	13.68	502.47	221.28
244	14.10	516.57	231.38

TOTAL DEG. DAYS (0) FOR AUG/84 = 313.60

245	14.60	531.17	241.98
246	15.02	546.18	253.00
247	14.60	560.78	263.60
248	14.60	575.38	274.20
249	14.60	589.98	284.80
250	14.60	604.58	295.40
251	14.35	618.93	305.75
252	14.60	633.53	316.35
253	14.40	647.93	326.75

CHANCE COVE NELD

STATION 16R DEPTH 27.0 LATITUDE 47.70 LONGITUDE 53.82 START MAY 18, 1984 20:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

139	0.00	0.00	0.00
140	0.00	0.00	0.00
141	0.87	0.87	0.00
142	2.93	3.80	0.00
143	1.02	4.82	0.00
144	-0.42	4.82	0.00
145	-1.00	4.82	0.00
146	-1.00	4.82	0.00
147	0.78	5.93	0.00
148	4.10	10.03	0.10
149	4.10	14.13	0.20
150	4.10	18.23	0.30
151	4.10	22.33	0.40
152	4.10	26.43	0.50

ESTIMATED DEG. DAYS (0) FOR MAY/84 = 58.53

153	4.10	30.53	0.60
154	4.10	34.63	0.70
155	3.43	38.07	0.73
156	3.10	41.17	0.73
157	3.10	44.27	0.73
158	3.52	47.78	0.73
159	3.68	51.47	0.75
160	3.10	54.57	0.77
161	0.33	54.90	0.77
162	-0.42	54.90	0.77
163	-1.00	54.90	0.77
164	-0.42	54.90	0.77
165	0.00	54.90	0.77
166	0.00	54.90	0.77
167	0.58	55.48	0.77
168	1.50	56.98	0.77
169	1.50	58.48	0.77
170	1.25	59.73	0.77
171	1.00	60.73	0.77
172	1.00	61.73	0.77
173	1.00	62.73	0.77
174	1.00	63.73	0.77
175	0.58	64.32	0.77
176	0.50	64.82	0.77
177	0.50	65.32	0.77
178	0.50	65.82	0.77
179	0.00	65.90	0.77
180	-0.50	65.90	0.77
181	-0.17	65.90	0.77
182	0.00	65.90	0.77

TOTAL DEG. DAYS (0) FOR JUNE/84 = 39.47

CHANCE COVE NFLD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
 16R 27.0 47.70 53.82 MAY 18, 1984 20:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

183	0.33	66.23	0.77
184	1.50	67.73	0.77
185	2.43	70.17	0.77
186	3.10	73.27	0.77
187	2.52	75.78	0.77
188	2.10	77.88	0.77
189	2.10	79.98	0.77
190	2.60	82.58	0.77
191	3.10	85.68	0.77
192	2.27	87.95	0.77
193	2.10	90.05	0.77
194	2.10	92.15	0.77
195	2.70	94.85	0.97
196	4.98	99.83	2.15
197	6.70	106.53	4.85
198	4.83	111.37	5.68
199	5.75	117.12	7.43
200	7.77	124.88	11.20
201	3.62	128.50	11.42
202	2.93	131.43	11.42
203	2.60	134.03	11.42
204	2.27	136.30	11.42
205	2.10	138.40	11.42
206	4.23	142.63	12.02
207	6.53	149.17	14.55
208	6.45	155.62	17.00
209	6.62	162.23	19.62
210	6.88	169.12	22.50
211	11.70	180.82	30.20
212	14.50	195.32	40.70
213	14.03	209.35	50.73

TOTAL DEG. DAYS (0) FOR JULY/84 = 143.45

214	4.12	213.47	52.00
215	2.00	215.47	52.00
216	3.27	218.73	52.05
217	4.10	222.83	52.15
218	4.10	226.93	52.25
219	4.63	231.57	52.88
220	12.40	243.97	61.28
221	14.50	258.47	71.78
222	14.13	272.60	81.92
223	10.65	283.25	88.57
224	12.15	295.40	96.72
225	12.65	308.05	105.37
226	13.90	321.95	115.27
227	13.93	335.88	125.20
228	16.78	352.67	137.98
229	17.57	370.23	151.55

CHANCE COVE NFLD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
16B	27.0	47.70	53.82	MAY 18, 1984 20:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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230	18.35	388.58	165.90
231	18.58	407.17	180.48
232	18.10	425.27	194.58
233	19.27	444.53	209.85
234	16.45	460.98	222.30
235	14.03	475.02	232.33
236	10.33	485.35	238.67
237	13.37	498.72	248.03
238	15.48	514.20	259.52
239	18.93	533.13	274.45
240	12.05	545.18	282.50
241	9.60	554.78	288.10

ESTIMATED DEG. DAYS (0) FOR AUG/84 = 382.44

HEARTS DESIRE NFD

STATION DEPTH LATITUDE LONGITUDE START
 174 9.0 47.84 53.45 JUNE 22, 1984 24:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
174		* NO DATA *	
175	4.07	4.07	1.08
176	1.20	5.37	1.08
177	4.12	9.48	1.25
178	4.37	13.85	1.62
179	5.22	19.07	2.83
180	6.13	25.20	4.97
181	5.88	31.08	6.85
182	6.72	37.80	9.57
183	6.80	44.60	12.37
184	6.80	51.40	15.17
185	7.13	58.53	18.30
186	7.80	66.33	22.10
187	7.55	73.88	25.65
188	7.30	81.18	28.95
189	6.80	87.98	31.75
190	7.63	95.62	35.38
191	8.27	103.83	39.60
192	9.05	112.88	44.65
193	9.30	122.18	49.95
194	8.80	130.98	54.75
195	8.80	139.78	59.55
196	8.80	148.58	64.35
197	9.72	158.30	70.07
198	9.88	168.18	75.95
199	10.30	178.48	82.25
200	10.72	189.20	88.97
201	10.80	200.00	95.77
202	11.13	211.13	102.90
203	11.60	222.73	110.50
204	12.15	234.88	118.65
205	12.65	247.53	127.30
206	12.65	260.18	135.95
207	12.73	272.92	144.68
208	12.90	285.82	153.58
209	12.55	298.37	162.13
210	10.97	309.33	169.10
211	10.30	319.63	175.40
212	11.43	331.07	182.83
213	10.80	341.87	189.63

TOTAL DEG. DAYS (0) FOR JULY/84 = 304.07

214	11.97	353.83	197.60
215	11.15	364.98	204.75
216	11.60	376.58	212.35
217	11.50	388.08	219.85
218	11.90	399.98	227.75
219	10.88	410.87	234.63
220	9.67	420.53	240.30

HEARTS DESIRE NFLD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
 17A 9.0 47.84 53.45 JUNE 22, 1984 24:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

221	8.72	429.25	245.02
222	9.05	438.30	250.07
223	8.38	446.68	254.45
224	8.55	455.23	259.00
225	9.80	465.03	264.80
226	8.80	473.83	269.60
227	8.63	482.47	274.23
228	8.63	491.10	278.87
229	7.72	498.82	282.58
230	7.05	505.87	285.63
231	6.30	512.17	287.93
232	6.05	518.22	289.98
233	5.80	524.02	291.78
234	6.30	530.32	294.08
235	8.30	538.62	298.38
236	8.97	547.58	303.35
237	8.97	556.55	308.32
238	9.05	565.60	313.37
239	10.55	576.15	319.92
240	10.55	586.70	326.47
241	8.63	595.33	331.10
242	7.72	603.05	334.82
243	7.63	610.68	338.45
244	7.47	618.15	341.92

TOTAL DEG. DAYS (0) FOR AUG/84 = 276.28

245	9.47	627.62	347.33
246	10.13	637.75	353.52
247	11.17	648.92	360.68
248	11.05	659.97	367.73
249	10.55	670.52	374.28
250	11.62	682.13	381.90
251	11.90	694.03	389.80
252	11.43	705.47	397.23
253	7.35	712.82	400.63
254	5.85	718.67	402.53
255	7.30	725.97	405.83
256	9.55	735.52	411.38
257	10.63	746.15	418.02
258	9.22	755.37	423.23
259	9.05	764.42	428.28
260	9.97	774.38	434.25
261	10.80	785.18	441.05
262	10.97	796.15	448.02
263	11.70	807.85	455.72
264	12.82	820.67	464.53
265	14.15	834.82	474.68
266	14.40	849.22	485.08
267	14.65	863.87	495.73

HEARTS DESIRE NFLD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
17A 9.0 47.84 53.45 JUNE 22, 1984 24:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

268	14.90	878.77	506.63
269	13.90	892.67	516.53
270	8.97	901.63	521.50
271	6.97	908.60	524.47
272	9.98	918.58	530.45
273	13.73	932.32	540.18
274	13.90	946.22	550.08

TOTAL DEG. DAYS (0) FOR SEPT/84 = 328.07

275	14.07	960.28	560.15
276	14.82	975.10	570.97
277	13.32	988.42	580.28
278	13.23	1001.65	589.52
279	10.17	1011.82	595.68
280	12.28	1024.10	603.97
281	13.90	1038.00	613.87
282	13.90	1051.90	623.77
283	14.15	1066.05	633.92
284	14.40	1080.45	644.32
285	14.40	1094.85	654.72
286	14.65	1109.50	665.37
287	14.98	1124.48	676.35
288	15.40	1139.88	687.75
289	15.40	1155.28	699.15
290	13.38	1168.67	708.53
291	8.80	1177.47	713.33

ESTIMATED DEG. DAYS (0) FOR OCT/84 = 421.69

HEARTS DESIRE NFLD

STATION	DEPTH	LATITUDE	LONGITUDE	START
17R	9.0	47.84	53.45	SEPT 15, 1984 24:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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250		* NO DATA *	
260	12.32	12.32	8.32
261	7.00	19.32	11.32
262	9.48	28.80	16.80
263	8.72	37.52	21.52
264	3.85	41.37	22.32
265	10.58	51.95	28.90
266	7.72	59.67	32.62
267	5.33	65.00	33.95
268	6.30	71.30	36.25
269	4.87	76.17	37.72
270	5.35	81.52	39.22
271	11.08	92.60	46.30
272	8.52	101.12	50.82
273	11.80	112.92	58.62
274	11.43	124.35	66.05

ESTIMATED DEG. DAYS (0) FOR SEPT/84 = 248.70

275	10.22	134.57	72.27
276	11.10	145.67	79.37
277	10.67	156.33	86.03
278	11.43	167.77	93.47
279	11.60	179.37	101.07
280	10.93	190.30	108.00
281	8.70	199.00	112.70
282	10.13	209.13	118.83
283	9.68	218.82	124.52
284	8.15	226.97	128.67
285	9.23	236.20	133.90
286	9.42	245.62	139.32
287	9.00	254.62	144.32
288	9.00	263.62	149.32
289	9.00	272.62	154.32
290	9.00	281.62	159.32
291	8.70	290.32	164.02
292	8.40	298.72	168.42
293	8.80	307.52	173.22
294	9.00	316.52	178.22
295	9.00	325.52	183.22
296	9.00	334.52	188.22
297	8.40	342.92	192.62
298	8.40	351.32	197.02
299	8.40	359.72	201.42
300	8.40	368.12	205.82
301	8.40	376.52	210.22
302	8.07	384.58	214.28
303	7.90	392.48	218.18
304	7.90	400.38	222.08
305	7.90	408.28	225.98

TOTAL DEG. DAYS (0) FOR OCT/84 = 233.93

HEARTS DESIRE NFLD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
17R	9.0	47.84	53.45	SEPT 15, 1984 24:00 GMT
DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)	
306	7.90	416.18	229.88	
307	7.90	424.08	233.78	
308	7.73	431.82	237.52	
309	7.40	439.22	240.92	
310	7.40	446.62	244.32	
311	7.40	454.02	247.72	

HEAPTS DFSIRE NFLD

STATION	DEPTH	LATITUDE	LONGITUDE	START
170	27.5	47.84	53.45	JUNE 21, 1984 24:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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173		* NO DATA *	
174	-0.80	0.12	0.00
175	-0.03	0.62	0.00
176	2.80	3.42	0.00
177	3.30	6.72	0.00
178	4.33	11.05	0.40
179	4.60	15.65	1.00
180	4.95	20.60	1.95
181	4.77	25.37	2.78
182	3.72	29.08	2.78
183	3.22	32.30	2.78
184	1.97	34.27	2.78
185	1.50	35.77	2.78
186	2.63	38.40	2.78
187	2.97	41.37	2.78
188	3.22	44.58	2.78
189	1.17	45.80	2.78
190	-0.30	45.80	2.78
191	-0.30	45.80	2.78
192	-0.30	45.80	2.78
193	-0.30	45.80	2.78
194	-0.30	45.80	2.78
195	-0.30	45.80	2.78
196	-0.30	45.80	2.78
197	0.62	46.42	2.78
198	1.40	47.82	2.93
199	0.88	48.70	2.93
200	0.53	49.23	2.93
201	-0.13	49.30	2.93
202	0.12	49.47	2.93
203	0.20	49.77	2.93
204	-0.30	49.77	2.93
205	-0.30	49.77	2.93
206	0.98	50.85	2.93
207	0.70	51.55	2.93
208	0.03	51.78	2.93
209	0.03	51.92	2.93
210	-0.47	51.92	2.93
211	-0.30	51.92	2.93
212	0.03	52.10	2.93
213	1.33	53.43	2.93

TOTAL DEG. DAYS (0) FOR JULY/84 = 24.35

214	3.38	56.82	2.93
215	2.97	59.78	2.93
216	1.97	61.75	2.93
217	2.80	64.55	2.93
218	2.63	67.18	2.93
219	2.63	69.82	2.93

HEARTS DESTRE NFLO ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
170	27.5	47.84	53.45	JUNE 21, 1984 24:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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220	1.97	71.78	2.93
221	1.97	73.75	2.93
222	1.88	75.63	2.93
223	1.78	77.42	2.93
224	3.05	80.47	2.93
225	3.72	84.18	2.93
226	4.15	88.33	3.23
227	4.42	92.75	3.68
228	4.53	97.28	4.28
229	4.90	102.18	5.18
230	4.17	106.35	5.48
231	2.80	109.15	5.48
232	1.97	111.12	5.48
233	1.80	112.92	5.48
234	2.80	115.72	5.48
235	5.03	120.75	6.58
236	5.98	126.73	8.57
237	5.20	131.93	9.83
238	5.20	137.13	11.03
239	8.05	145.18	15.08
240	14.20	159.38	25.28
241	14.20	173.58	35.48
242	10.57	184.15	42.05
243	3.22	187.37	42.05
244	4.67	192.03	42.78

TOTAL DEG. DAYS (0) FOR AUG/84 = 138.60

245	4.22	196.25	43.03
246	3.38	199.63	43.03
247	3.67	203.30	43.50
248	12.75	215.55	51.75
249	12.35	227.90	60.10
250	9.75	237.65	65.85
251	10.48	248.13	72.33
252	5.98	254.12	74.32
253	11.60	265.72	81.92
254	13.70	279.42	91.62
255	13.40	292.82	101.02
256	12.70	305.52	109.72

ESTIMATED DEG. DAYS (0) FOR SEPT/84 = 283.71

HEARTS DESIRE NFLD

STATION DEPTH LATITUDE LONGITUDE START
170 27.5 47.84 53.45 SEPT 15, 1984 24:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

250			* NO DATA *	
260	12.63	12.63		8.63
261	12.30	24.93		16.93
262	12.30	37.23		25.23
263	12.30	49.53		33.53
264	11.97	61.50		41.50
265	11.80	73.30		49.30
266	11.80	85.10		57.10
267	11.80	96.90		64.90
268	11.80	108.70		72.70
269	11.80	120.50		80.50
270	11.80	132.30		88.30
271	11.80	144.10		96.10
272	11.80	155.90		103.90
273	11.38	167.28		111.28
274	10.80	178.08		118.08

ESTIMATED DEG. DAYS (0) FOR SEPT/84 = 356.17

275	10.80	188.88	124.88
276	10.80	199.68	131.68

HARBOUR GRACE NFLD

STATION DEPTH LATITUDE LONGITUDE START
1PA 6.0 47.68 53.24 DEC 13, 1983 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

347	1.30	1.30	0.00
348	0.80	2.10	0.00
349	0.80	2.90	0.00
350	1.22	4.12	0.00
351	1.80	5.92	0.00
352	1.80	7.72	0.00
353	1.47	9.18	0.00
354	0.80	9.98	0.00
355	0.47	10.45	0.00
356	-0.10	10.45	0.00
357	-0.60	10.45	0.00
358	-0.60	10.45	0.00
359	-0.43	10.45	0.00
360	-0.10	10.45	0.00
361	-0.10	10.45	0.00
362	-0.10	10.45	0.00
363	-0.10	10.45	0.00
364	-0.10	10.45	0.00
365	-0.10	10.45	0.00

ESTIMATED DEG. DAYS (0) FOR DEC/83 = 17.05

1	-0.10	10.45	0.00
2	-0.10	10.45	0.00
3	0.15	10.65	0.00
4	-0.18	10.65	0.00
5	-0.60	10.65	0.00
6	-0.60	10.65	0.00
7	-0.60	10.65	0.00
8	-0.85	10.65	0.00
9	-0.93	10.65	0.00
10	-0.68	10.65	0.00
11	-1.10	10.65	0.00
12	-1.10	10.65	0.00
13	-1.10	10.65	0.00
14	-1.10	10.65	0.00
15	-1.10	10.65	0.00
16	-1.10	10.65	0.00
17	-1.10	10.65	0.00
18	-1.35	10.65	0.00
19	-1.60	10.65	0.00
20	-1.60	10.65	0.00
21	-1.60	10.65	0.00
22	-1.60	10.65	0.00
23	-1.60	10.65	0.00
24	-1.60	10.65	0.00
25	-1.60	10.65	0.00
26	-1.60	10.65	0.00
27	-0.93	10.65	0.00
28	-0.60	10.65	0.00

HARBOUR GRACE NFED ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
18A	6.0	47.68	53.24	DEC 13, 1983 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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29	-1.10	10.65	0.00
30	-1.10	10.65	0.00
31	-1.10	10.65	0.00

TOTAL	DEG. DAYS (0) FOR JAN/R4 =	0.20
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32	-1.10	10.65	0.00
33	-1.10	10.65	0.00
34	-1.10	10.65	0.00

HARBOUR GRACE NFLD

STATION DEPTH LATITUDE LONGITUDE START
 109 6.0 47.68 53.24 MAY 31, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

152	2.70	2.70	0.00
153	2.70	5.40	0.00
154	2.12	7.52	0.00
155	1.70	9.22	0.00
156	1.70	10.92	0.00
157	2.45	13.37	0.00
158	2.70	16.07	0.00
159	2.87	18.93	0.00
160	3.70	22.63	0.00
161	3.70	26.33	0.00
162	3.70	30.03	0.00
163	4.08	34.12	0.23
164	4.08	38.20	0.47
165	3.70	41.90	0.47
166	3.55	45.45	0.52
167	4.38	49.83	0.90
168	4.80	54.63	1.70
169	4.72	59.35	2.42
170	3.80	63.15	2.47
171	2.78	65.93	2.47
172	1.07	67.00	2.47
173	1.53	68.53	2.47
174	2.20	70.73	2.47
175	3.30	74.03	2.60
176	4.80	78.83	3.40
177	5.05	83.88	4.45
178	5.63	89.52	6.08
179	5.47	94.98	7.55
180	5.80	100.78	9.35
181	5.80	106.58	11.15
182	6.55	113.13	13.70

TOTAL DEG. DAYS (0) FOR JUNE/84 = 110.43

183	6.90	120.03	16.60
184	7.40	127.43	20.00
185	7.98	135.42	23.98
186	8.57	143.98	28.55
187	8.07	152.05	32.62
188	5.72	157.77	34.33
189	5.13	162.90	35.47
190	6.50	169.40	37.97
191	7.45	176.85	41.42
192	7.17	184.02	44.58
193	6.90	190.92	47.48
194	6.80	197.72	50.28
195	6.80	204.52	53.08
196	6.30	210.82	55.38
197	6.05	216.87	57.43
198	6.47	223.33	59.90

HARBOUR GRACE NFLD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
188	6.0	47.68	53.24	MAY 31, 1984 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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190	6.80	230.13	62.70
200	7.00	237.13	65.70
201	7.00	244.13	68.70
202	6.80	250.93	71.50
203	6.80	257.73	74.30
204	7.40	265.13	77.70
205	7.20	272.33	80.90
206	6.80	279.13	83.70
207	6.38	285.52	86.08
208	5.80	291.32	87.88
209	5.80	297.12	89.68
210	5.80	302.92	91.48
211	7.72	310.63	95.20
212	8.48	319.12	99.68
213	8.23	327.35	103.92

TOTAL DEG. DAYS (0) FOR JULY/84 = 214.22

214	7.82	335.17	107.73
215	6.38	341.55	110.12
216	6.57	348.12	112.68
217	8.98	357.10	117.67
218	9.90	367.00	123.57
219	9.90	376.90	129.47
220	9.40	386.30	134.87
221	9.15	395.45	140.02
222	9.57	405.02	145.58
223	10.08	415.10	151.67
224	12.00	427.10	159.67
225	12.00	439.10	167.67
226	12.33	451.43	176.00
227	12.75	464.18	184.75
228	13.92	478.10	194.67
229	14.35	492.45	205.02
230	13.28	505.73	214.30
231	11.25	516.98	221.55
232	10.47	527.45	228.02
233	11.75	539.20	235.77
234	13.38	552.58	245.15
235	14.10	566.68	255.25
236	14.10	580.78	265.35
237	14.27	595.05	275.62
238	15.10	610.15	286.72
239	15.10	625.25	297.82
240	15.10	640.35	308.92
241	13.57	653.92	318.48
242	6.92	660.83	321.40
243	8.03	668.87	325.43
244	11.00	679.87	332.43

TOTAL DEG. DAYS (0) FOR AUG/84 = 352.52

HARBOUR GRACE NFLD ... CONTINUED

STATION 188 DEPTH 6.0 LATITUDE 47.68 LONGITUDE 53.24 START MAY 31, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

245	11.08	690.95	339.52
246	12.00	702.95	347.52
247	12.00	714.95	355.52
248	12.00	726.95	363.52
249	12.00	738.95	371.52
250	13.00	751.95	380.52
251	13.00	764.95	389.52
252	13.00	777.95	398.52
253	13.00	790.95	407.52
254	13.00	803.95	416.52
255	12.50	816.45	425.02
256	12.08	828.53	433.10
257	12.00	840.53	441.10
258	11.75	852.28	448.85
259	11.50	863.78	456.35
260	11.50	875.28	463.85
261	11.50	886.78	471.35
262	11.50	898.28	478.85
263	11.50	909.78	486.35
264	11.50	921.28	493.85
265	11.25	932.53	501.10
266	10.75	943.28	507.85
267	10.20	953.48	514.05
268	9.90	963.38	519.95
269	9.90	973.28	525.85
270	10.00	983.28	531.85
271	10.50	993.78	538.35
272	10.50	1004.28	544.85
273	10.00	1014.28	550.85
274	9.90	1024.18	556.75

TOTAL DEG. DAYS (0) FOR SEPT/84 = 344.32

275	9.90	1034.08	562.65
276	9.90	1043.98	568.55
277	9.90	1053.88	574.45
278	9.90	1063.78	580.35
279	9.90	1073.68	586.25
280	9.40	1083.08	591.65
281	8.48	1091.57	596.13
282	8.40	1099.97	600.53
283	8.40	1108.37	604.93
284	8.40	1116.77	609.33
285	8.15	1124.92	613.48
286	7.90	1132.82	617.38
287	7.90	1140.72	621.28
288	7.90	1148.62	625.18
289	7.90	1156.52	629.08
290	7.90	1164.42	632.98
291	7.73	1172.15	636.72

HARBOUR GRACE NFED ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
188 6.0 47.68 53.24 MAY 31, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

292	7.40	1179.55	640.12
293	7.40	1186.95	643.52
294	7.40	1194.35	646.92
295	7.65	1202.00	650.57
296	7.90	1209.90	654.47
297	7.90	1217.80	658.37
298	7.90	1225.70	662.27
299	7.90	1233.60	666.17
300	7.48	1241.08	669.65
301	6.80	1247.88	672.45
302	6.80	1254.68	675.25
303	6.80	1261.48	678.05
304	6.80	1268.28	680.85
305	6.80	1275.08	683.65

TOTAL DEG. DAYS (0) FOR OCT/84 = 250.90

306	6.80	1281.88	686.45
307	6.30	1288.18	688.75
308	6.47	1294.65	691.22
309	6.05	1300.70	693.27
310	5.63	1306.33	694.90
311	5.30	1311.63	696.20
312	5.80	1317.43	698.00
313	5.80	1323.23	699.80
314	5.80	1329.03	701.60
315	5.47	1334.50	703.07
316	5.30	1339.80	704.37
317	5.30	1345.10	705.67
318	5.30	1350.40	706.97
319	5.30	1355.70	708.27
320	5.30	1361.00	709.57
321	5.30	1366.30	710.87
322	5.05	1371.35	711.92
323	4.80	1376.15	712.72
324	4.80	1380.95	713.52
325	4.80	1385.75	714.32

ESTIMATED DEG. DAYS (0) FOR NOV/84 = 166.00

HOLYWOOD NFED

STATION DEPTH LATITUDE LONGITUDE START
 10A 10.0 47.42 53.17 OCT 5, 1983 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

278	15.10	15.10	11.10
279	15.10	30.20	22.20
280	15.10	45.30	33.30
281	15.10	60.40	44.40
282	15.10	75.50	55.50
283	15.10	90.60	66.60
284	15.10	105.70	77.70
285	15.10	120.80	88.80
286	14.60	135.40	99.40
287	14.60	150.00	110.00
288	14.60	164.60	120.60
289	14.60	179.20	131.20
290	14.60	193.80	141.80
291	14.60	208.40	152.40
292	14.18	222.58	162.58
293	14.10	236.68	172.68
294	14.10	250.78	182.78
295	13.55	264.33	192.33
296	12.25	276.58	200.58
297	12.67	289.25	209.25
298	13.00	302.25	218.25
299	12.67	314.92	226.92
300	12.50	327.42	235.42
301	12.50	339.92	243.92
302	12.42	352.33	252.33
303	12.00	364.33	260.33
304	12.00	376.33	268.33

ESTIMATED DEG. DAYS (0) FOR OCT/83 = 432.09

305	12.00	388.33	276.33
306	11.92	400.25	284.25
307	10.93	411.18	291.18
308	10.82	422.00	298.00
309	10.90	432.90	304.90
310	10.90	443.80	311.80
311	10.48	454.28	318.28
312	9.90	464.18	324.18
313	9.90	474.08	330.08
314	9.90	483.98	335.98
315	9.90	493.88	341.88
316	9.90	503.78	347.78
317	9.90	513.68	353.68
318	9.40	523.08	359.08
319	9.40	532.48	364.48
320	9.57	542.05	370.05
321	9.90	551.95	375.95
322	9.48	561.43	381.43
323	8.90	570.33	386.33
324	8.90	579.23	391.23

HOLYWOOD NFID ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
19A 10.0 47.42 53.17 OCT 5, 1983 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

325	8.90	588.13	396.13
326	8.73	596.87	400.87
327	8.40	605.27	405.27
328	8.40	613.67	409.67
329	8.57	622.23	414.23
330	8.48	630.72	418.72
331	8.40	639.12	423.12
332	8.40	647.52	427.52
333	8.10	655.62	431.62
334	7.80	663.42	435.42

TOTAL DEG. DAYS (0) FOR NOV/83 = 287.08

335	7.80	671.22	439.22
336	7.80	679.02	443.02
337	7.80	686.82	446.82
338	7.80	694.62	450.62
339	7.80	702.42	454.42
340	7.80	710.22	458.22
341	7.72	717.93	461.93
342	7.30	725.23	465.23
343	7.30	732.53	468.53
344	7.30	739.83	471.83
345	6.80	746.63	474.63
346	6.22	752.85	476.85
347	5.80	758.65	478.65
348	5.80	764.45	480.45
349	5.80	770.25	482.25
350	5.80	776.05	484.05
351	5.80	781.85	485.85
352	5.80	787.65	487.65
353	5.80	793.45	489.45
354	5.80	799.25	491.25
355	5.38	804.63	492.63
356	4.80	809.43	493.43
357	4.70	814.13	494.13
358	4.70	818.83	494.83
359	4.70	823.53	495.53
360	4.70	828.23	496.23
361	4.70	832.93	496.93
362	4.70	837.63	497.63
363	4.70	842.33	498.33
364	4.70	847.03	499.03
365	4.70	851.73	499.73

TOTAL DEG. DAYS (0) FOR DEC/83 = 188.32

1	4.28	856.02	500.02
2	4.20	860.22	500.22
3	3.87	864.08	500.28

HOLYWOOD FIELD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
 19A 10.0 47.42 53.17 OCT 5, 1983 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

4	3.70	867.78	500.28
5	3.70	871.48	500.28
6	3.70	875.18	500.28
7	3.70	878.88	500.28
8	3.70	882.58	500.28
9	3.70	886.28	500.28
10	3.70	889.98	500.28
11	3.70	893.68	500.28
12	3.70	897.38	500.28
13	3.70	901.08	500.28
14	3.70	904.78	500.28
15	3.70	908.48	500.28
16	3.28	911.77	500.28
17	3.20	914.97	500.28
18	3.45	918.42	500.28
19	3.70	922.12	500.28
20	3.20	925.32	500.28
21	3.20	928.52	500.28
22	3.20	931.72	500.28
23	3.20	934.92	500.28
24	3.20	938.12	500.28
25	3.20	941.32	500.28
26	3.20	944.52	500.28
27	3.20	947.72	500.28
28	3.20	950.92	500.28
29	3.20	954.12	500.28
30	3.20	957.32	500.28
31	3.20	960.52	500.28

TOTAL DEG. DAYS (0) FOR JAN/84 = 108.78

32	2.78	963.30	500.28
33	2.70	966.00	500.28
34	2.30	968.30	500.28
35	2.30	970.60	500.28
36	2.70	973.30	500.28
37	2.70	976.00	500.28
38	2.70	978.70	500.28
39	2.70	981.40	500.28
40	2.70	984.10	500.28
41	2.50	986.60	500.28
42	2.10	988.70	500.28
43	2.10	990.80	500.28
44	2.10	992.90	500.28
45	2.10	995.00	500.28
46	2.10	997.10	500.28
47	2.10	999.20	500.28
48	2.30	1001.50	500.28
49	2.10	1003.60	500.28
50	2.10	1005.70	500.28

HOLYWOOD NFLO ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
19A	10.0	47.42	53.17	OCT 5, 1983 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
------------	------------	--------------	--------------

51	2.10	1007.80	500.28
52	2.10	1009.90	500.28
53	2.10	1012.00	500.28
54	2.10	1014.10	500.28
55	2.10	1016.20	500.28
56	2.10	1018.30	500.28
57	2.10	1020.40	500.28
58	2.10	1022.50	500.28
59	2.10	1024.60	500.28
60	2.10	1026.70	500.28

TOTAL DEG. DAYS (0) FOR FEB/84 = 66.18

61	2.10	1028.80	500.28
62	2.10	1030.90	500.28
63	2.10	1033.00	500.28
64	2.10	1035.10	500.28
65	2.10	1037.20	500.28
66	2.10	1039.30	500.28
67	2.10	1041.40	500.28
68	2.10	1043.50	500.28
69	2.10	1045.60	500.28
70	2.10	1047.70	500.28
71	2.10	1049.80	500.28
72	2.10	1051.90	500.28
73	2.10	1054.00	500.28
74	1.85	1055.85	500.28
75	1.60	1057.45	500.28
76	1.60	1059.05	500.28
77	1.60	1060.65	500.28
78	1.77	1062.42	500.28
79	2.10	1064.52	500.28
80	2.10	1066.62	500.28
81	2.10	1068.72	500.28
82	2.10	1070.82	500.28
83	2.10	1072.92	500.28
84	2.10	1075.02	500.28
85	2.10	1077.12	500.28
86	2.10	1079.22	500.28
87	1.93	1081.15	500.28
88	1.60	1082.75	500.28
89	1.60	1084.35	500.28
90	1.60	1085.95	500.28
91	1.60	1087.55	500.28

TOTAL DEG. DAYS (0) FOR MAR/84 = 60.85

92	1.60	1089.15	500.28
93	1.60	1090.75	500.28
94	1.60	1092.35	500.28

HOLYROOD NFLO ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
19A	10.0	47.42	53.17	OCT 5, 1983 16:00 GMT
DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)	
95	1.60	1093.95	500.28	
96	1.60	1095.55	500.28	

HOLYPOOD NFLD

STATION	DEPTH	LATITUDE	LONGITUDE	START
19R	10.0	47.42	53.17	OCT 5, 1983 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
------------	------------	--------------	--------------

278	11.70	11.70	7.70
279	11.28	22.98	14.98
280	11.20	34.18	22.18
281	11.20	45.38	29.38
282	11.20	56.58	36.58
283	11.20	67.78	43.78
284	11.20	78.98	50.98
285	11.20	90.18	58.18
286	11.20	101.38	65.38
287	11.20	112.58	72.58
288	10.87	123.45	79.45
289	11.20	134.05	86.55
290	11.20	145.85	93.85
291	11.20	157.05	101.05
292	10.70	167.75	107.75
293	10.70	178.45	114.45
294	10.70	189.15	121.15
295	10.45	199.60	127.60
296	9.12	208.72	132.72
297	9.45	218.17	138.17
298	9.70	227.87	143.87
299	9.37	237.23	149.23
300	9.20	246.43	154.43
301	9.20	255.63	159.63
302	9.20	264.83	164.83
303	8.70	273.53	169.53
304	8.70	282.23	174.23

ESTIMATED DEG. DAYS (0) FOR OCT/83 = 324.05

305	8.28	290.52	178.52
306	7.45	297.97	181.97
307	7.70	305.67	185.67
308	7.70	313.37	189.37
309	7.70	321.07	193.07
310	6.78	327.85	195.85
311	5.70	334.55	198.55
312	6.70	341.25	201.25
313	6.70	347.95	203.95
314	6.70	354.65	206.65
315	6.28	360.93	208.93
316	6.28	367.22	211.22
317	6.28	373.50	213.50
318	6.70	380.20	216.20
319	6.70	386.90	218.90
320	5.78	392.68	220.68
321	5.70	398.38	222.38
322	5.70	404.08	224.08
323	5.70	409.78	225.78
324	5.45	415.23	227.23

HOLYROOD NFLD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
198	10.0	47.42	53.17	OCT 5, 1983 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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325	5.28	420.52	228.52
326	5.37	425.88	229.88
327	5.70	431.58	231.58
328	5.70	437.28	233.28
329	5.53	442.82	234.82
330	5.12	447.93	235.93
331	4.70	452.63	236.63
332	4.70	457.33	237.33
333	4.70	462.03	238.03
334	4.70	466.73	238.73

TOTAL DEG. DAYS (0) FOR NOV/83 = 184.50

335	4.70	471.43	239.43
336	4.70	476.13	240.13
337	4.70	480.83	240.83
338	4.70	485.53	241.53
339	4.70	490.23	242.23
340	4.53	494.77	242.77
341	4.20	498.97	242.97
342	3.95	502.92	243.07
343	3.70	506.62	243.07
344	3.28	509.90	243.07
345	3.20	513.10	243.07
346	3.20	516.30	243.07
347	3.20	519.50	243.07
348	3.20	522.70	243.07
349	3.20	525.90	243.07
350	3.20	529.10	243.07
351	3.20	532.30	243.07
352	2.95	535.25	243.07
353	2.45	537.70	243.07
354	2.20	539.90	243.07
355	2.20	542.10	243.07
356	2.20	544.30	243.07
357	2.03	546.33	243.07
358	1.70	548.03	243.07
359	1.70	549.73	243.07
360	1.70	551.43	243.07
361	1.70	553.13	243.07
362	1.70	554.83	243.07
363	1.70	556.53	243.07
364	1.70	558.23	243.07
365	1.62	559.85	243.07

TOTAL DEG. DAYS (0) FOR DEC/83 = 93.12

1	1.20	561.05	243.07
2	1.20	562.25	243.07
3	1.20	563.45	243.07

HOLYROOD NFD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
12R	10.0	47.42	53.17	OCT 5, 1983 15:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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4	1.53	564.98	243.07
5	1.70	566.68	243.07
6	1.70	568.38	243.07
7	1.70	570.08	243.07
8	1.70	571.78	243.07
9	1.70	573.48	243.07
10	1.70	575.18	243.07
11	1.70	576.88	243.07
12	1.70	578.58	243.07
13	1.12	579.70	243.07
14	0.70	580.40	243.07
15	0.78	581.18	243.07
16	1.20	582.38	243.07
17	0.95	583.33	243.07
18	0.70	584.03	243.07
19	0.70	584.73	243.07
20	0.70	585.43	243.07
21	0.70	586.13	243.07
22	0.70	586.83	243.07
23	0.70	587.53	243.07
24	0.70	588.23	243.07
25	0.70	588.93	243.07
26	0.70	589.63	243.07
27	0.70	590.33	243.07
28	0.70	591.03	243.07
29	0.70	591.73	243.07
30	0.70	592.43	243.07
31	0.70	593.13	243.07

TOTAL DEG. DAYS (0) FOR JAN/84 = 33.28

32	0.20	593.33	243.07
33	0.20	593.53	243.07
34	0.20	593.73	243.07
35	0.20	593.93	243.07

HOLYWOOD NFD

STATION DEPTH LATITUDE LONGITUDE START
190 6.0 47.42 53.17 AUG 25, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

238	16.90	16.90	12.90
239	16.90	33.80	25.80
240	16.48	50.28	38.28
241	14.97	65.25	49.25
242	13.43	78.68	58.68
243	14.55	93.23	69.23
244	13.93	107.17	79.17
245	12.53	119.70	87.70
246	11.28	130.98	94.98
247	12.70	143.68	103.68
248	12.88	156.57	112.57
249	13.80	170.37	122.37
250	13.80	184.17	132.17
251	12.98	197.15	141.15
252	13.80	210.95	150.95
253	13.80	224.75	160.75
254	13.80	238.55	170.55
255	13.80	252.35	180.35
256	13.80	266.15	190.15
257	13.80	279.95	199.95
258	13.80	293.75	209.75
259	13.38	307.13	219.13
260	12.95	320.08	228.08
261	12.53	332.62	236.62
262	12.70	345.32	245.32
263	12.70	358.02	254.02
264	12.70	370.72	262.72
265	12.70	383.42	271.42
266	11.70	395.12	279.12
267	12.70	407.82	287.82
268	12.70	420.52	296.52
269	12.70	433.22	305.22

ESTIMATED DEG. DAYS (0) FOR SEPT/84 = 391.26

BROAD COVE NFLO

STATION DEPTH LATITUDE LONGITUDE START
 20 6.8 47.62 52.83 MAY 23, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

144	-0.05	0.10	0.00
145	0.20	0.30	0.00
146	0.90	1.20	0.00
147	1.30	2.50	0.00
148	2.13	4.63	0.00
149	2.30	6.93	0.00
150	2.13	9.07	0.00
151	2.47	11.53	0.00
152	3.37	14.90	0.07
153	4.40	19.30	0.47
154	4.40	23.70	0.87
155	4.40	28.10	1.27
156	2.93	31.03	1.33
157	3.65	34.68	1.33
158	4.07	38.75	1.47
159	4.15	42.90	1.67
160	3.48	46.38	1.67
161	3.57	49.95	1.73
162	3.98	53.93	1.80
163	2.17	56.10	1.80
164	3.30	59.40	1.80
165	4.23	63.63	2.07
166	4.73	68.37	2.80
167	4.95	73.32	3.75
168	3.72	77.03	3.95
169	3.63	80.67	4.27
170	6.00	86.67	6.27
171	6.25	92.92	8.52
172	6.50	99.42	11.02
173	6.50	105.92	13.52
174	4.60	110.52	14.60
175	3.12	113.63	14.73
176	4.40	118.03	15.13
177	4.40	122.43	15.53
178	4.95	127.38	16.48
179	6.88	134.27	19.37
180	6.50	140.77	21.87
181	7.32	148.08	25.18
182	7.60	155.68	28.78

TOTAL DEG. DAYS (0) FOR JUNE/84 = 140.78

183	7.60	163.28	32.38
184	7.68	170.97	36.07
185	6.58	177.55	38.65
186	8.50	186.05	43.15
187	9.60	195.65	48.75
188	9.97	205.62	54.72
189	10.70	216.32	61.42
190	10.70	227.02	68.12

BROAD COVE NFLO ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
20 6.9 47.62 52.88 MAY 23, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

191	11.53	238.55	75.65
192	11.53	250.08	83.18
193	12.07	262.15	91.25
194	12.80	274.95	100.05
195	13.38	288.33	109.43
196	12.58	300.92	118.02
197	14.37	315.28	128.33
198	9.47	324.75	133.85
199	13.80	338.55	143.65
200	13.80	352.35	153.45
201	13.98	366.33	163.43
202	14.57	380.90	174.00
203	14.55	395.45	184.55
204	15.57	411.02	196.12
205	14.88	425.90	207.00
206	13.63	439.53	216.63
207	11.70	451.23	224.33
208	11.80	463.03	232.13
209	12.45	475.48	240.58
210	11.02	486.50	247.60
211	9.30	495.80	252.90
212	10.69	506.48	259.58
213	12.43	518.92	268.02

TOTAL DEG. DAYS (0) FOR JULY/84 = 363.23

214	13.73	532.65	277.75
215	14.10	546.75	287.85
216	13.55	560.30	297.40
217	12.97	573.27	306.37
218	12.77	586.03	315.13
219	14.82	600.85	325.95
220	14.90	615.75	336.85
221	15.07	630.82	347.92
222	12.68	643.50	356.60
223	8.17	651.67	360.77
224	13.12	664.78	369.83
225	13.63	678.42	379.52
226	13.63	692.05	389.15
227	13.80	705.85	398.95
228	13.63	719.48	408.58
229	14.28	733.77	418.87
230	15.15	748.92	430.02
231	15.65	764.57	441.67
232	15.00	780.47	453.57
233	11.88	792.35	461.45
234	11.48	803.83	468.93
235	14.80	813.63	479.73
236	15.40	834.03	491.13
237	15.07	849.10	502.20

BROAD COVE NFLO ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
20 6.8 47.62 52.88 MAY 23, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

238	14.00	863.10	512.20
239	14.10	877.20	522.30
240	15.48	892.68	533.78
241	15.90	908.58	545.68
242	15.90	924.48	557.58
243	15.90	940.38	569.48
244	15.90	956.28	581.38

TOTAL DEG. DAYS (0) FOR AUG/84 = 437.37

245	15.57	971.85	592.95
246	10.87	982.72	599.82
247	8.70	991.42	604.52
248	12.53	1003.95	613.05
249	12.80	1016.75	621.85
250	12.97	1029.72	630.82
251	13.80	1043.52	640.62
252	11.38	1054.90	648.00
253	11.73	1066.63	655.73
254	12.80	1079.43	664.53
255	13.30	1092.73	673.83
256	13.72	1106.45	683.55
257	12.77	1119.22	692.32
258	12.80	1132.02	701.12
259	12.80	1144.82	709.92
260	12.80	1157.62	718.72
261	12.80	1170.42	727.52

ESTIMATED DEG. DAYS (0) FOR SEPT/84 = 377.88

LOGY BAY NEFD

STATION 21A DEPTH 8.0 LATITUDE 47.58 LONGITUDE 52.67 START OCT 14, 1982 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
287	12.00	12.00	8.00
288	12.00	24.00	16.00
289	12.00	36.00	24.00
290	11.83	47.83	31.83
291	11.50	59.33	39.33
292	11.50	70.83	46.83
293	11.50	82.33	54.33
294	11.50	93.83	61.83
295	11.25	105.08	69.08
296	11.00	116.08	76.08
297	10.67	126.75	82.75
298	10.50	137.25	89.25
299	10.50	147.75	95.75
300	9.90	157.65	101.65
301	9.90	167.55	107.55
302	9.90	177.45	113.45
303	9.90	187.35	119.35
304	9.90	197.25	125.25

ESTIMATED DEG. DAYS (0) FOR OCT/82 = 339.71

305	9.90	207.15	131.15
306	9.90	217.05	137.05
307	9.90	226.95	142.95
308	9.90	236.85	148.85
309	9.90	246.75	154.75
310	9.90	256.65	160.65
311	9.90	266.55	166.55
312	9.73	276.28	172.28
313	9.40	285.68	177.68
314	9.07	294.75	182.75
315	8.90	303.65	187.65
316	8.90	312.55	192.55
317	8.90	321.45	197.45
318	8.90	330.35	202.35
319	8.70	339.05	207.05
320	8.30	347.35	211.35
321	8.30	355.65	215.65
322	8.30	363.95	219.95
323	7.97	371.92	223.92
324	7.80	379.72	227.72
325	7.80	387.52	231.52
326	7.80	395.32	235.32
327	7.80	403.12	239.12
328	7.80	410.92	242.92
329	7.80	418.72	246.72
330	7.13	425.85	249.85
331	6.80	432.05	252.65
332	6.40	439.05	255.05
333	5.87	444.92	256.92

LOGY BAY NFD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
21A	8.0	47.58	52.67	OCT 14, 1982 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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334	5.70	450.62	259.62
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TOTAL DEG. DAYS (0) FOR NOV/82 = 253.37

335	5.70	456.32	260.32
336	5.70	462.02	262.02
337	5.70	467.72	263.72
338	5.70	473.42	265.42
339	5.70	479.12	267.12
340	5.70	484.82	268.82
341	5.70	490.52	270.52
342	5.62	496.13	272.13
343	5.20	501.33	273.33
344	4.87	506.20	274.20
345	4.30	510.50	274.50
346	4.10	514.60	274.60
347	3.77	518.37	274.53
348	3.60	521.97	274.63
349	3.60	525.57	274.63
350	3.60	529.17	274.63
351	3.60	532.77	274.63
352	3.43	536.20	274.63
353	3.10	539.30	274.63
354	2.50	541.80	274.63
355	2.50	544.30	274.63
356	2.50	546.80	274.63
357	2.50	549.30	274.63
358	2.50	551.80	274.63
359	2.50	554.30	274.63
360	2.50	556.80	274.63
361	2.50	559.30	274.63
362	2.50	561.80	274.63
363	2.50	564.30	274.63
364	2.50	566.80	274.63
365	2.50	569.30	274.63

TOTAL DEG. DAYS (0) FOR DEC/82 = 118.68

1	2.50	571.80	274.63
2	2.50	574.30	274.63
3	2.50	576.80	274.63
4	2.00	578.80	274.63
5	1.58	580.38	274.63
6	1.50	581.88	274.63
7	1.50	583.38	274.63
8	1.50	584.88	274.63
9	1.50	586.38	274.63
10	1.50	587.88	274.63
11	1.50	589.38	274.63
12	1.50	590.88	274.63

LOGY BAY NFLD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
21A 8.0 47.58 52.67 OCT 14, 1982 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

13	1.50	592.38	274.53
14	1.50	593.88	274.63
15	1.50	595.38	274.53
16	1.50	596.88	274.63
17	1.50	598.38	274.53
18	1.50	599.88	274.63
19	1.50	601.38	274.63
20	1.08	602.47	274.63
21	1.00	603.47	274.53
22	1.00	604.47	274.63
23	1.00	605.47	274.63
24	1.00	606.47	274.63
25	1.00	607.47	274.63
26	1.00	608.47	274.63
27	1.00	609.47	274.63
28	0.60	610.07	274.63
29	0.40	610.47	274.63
30	0.40	610.37	274.53
31	0.40	611.27	274.63

TOTAL DEG. DAYS (0) FOR JAN/83 = 41.97

32	0.40	611.67	274.63
33	0.40	612.07	274.63
34	0.40	612.47	274.63
35	0.40	612.87	274.63
36	0.40	613.27	274.63
37	0.40	613.67	274.63
38	0.40	614.07	274.53
39	0.32	614.40	274.53
40	-0.10	614.40	274.63
41	-0.10	614.40	274.63
42	-0.10	614.40	274.63
43	-0.10	614.40	274.63
44	-0.60	614.40	274.63
45	-0.60	614.40	274.63
46	-0.60	614.40	274.63
47	-0.60	614.40	274.53
48	-0.60	614.40	274.63
49	-0.60	614.40	274.63
50	-0.60	614.40	274.63
51	-0.60	614.40	274.63
52	-0.60	614.40	274.63
53	-0.60	614.40	274.63
54	-0.60	614.40	274.63
55	-0.60	614.40	274.53
56	-1.00	614.40	274.63
57	-1.20	614.40	274.63
58	-1.20	614.40	274.63
59	-1.10	614.40	274.63

TOTAL DEG. DAYS (0) FOR FEB/83 = 3.13

LOGY BAY NFD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
21A 8.0 47.58 52.67 OCT 14, 1982 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

60	-0.60	614.40	274.63
61	-0.60	614.40	274.63
62	-0.60	614.40	274.63
63	-0.60	614.40	274.63
64	-0.60	614.40	274.63
65	-0.60	614.40	274.63
66	-0.60	614.40	274.63
67	-0.60	614.40	274.63
68	-0.60	614.40	274.63
69	-0.60	614.40	274.63
70	-0.60	614.40	274.63
71	-0.60	614.40	274.63
72	-0.60	614.40	274.63
73	-0.60	614.40	274.63
74	-0.60	614.40	274.63
75	-0.18	614.40	274.63
76	-0.10	614.40	274.63
77	-0.10	614.40	274.63
78	-0.10	614.40	274.63
79	0.07	614.53	274.63

ESTIMATED DEG. DAYS (0) FOR MAR/83 = 0.21

WITLESS BAY NELD

STATION	DEPTH	LATITUDE	LONGITUDE	START
23A	7.0	47.28	52.82	MAY 30, 1984 24:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
------------	------------	--------------	--------------

151		* NO DATA *	
152	2.07	2.07	0.00
153	0.40	2.67	0.00
154	-0.43	2.67	0.00
155	-0.43	2.67	0.00
156	1.32	4.10	0.00
157	1.73	5.83	0.00
158	1.48	7.32	0.00
159	1.90	9.22	0.00
160	3.15	12.37	0.00
161	3.40	15.77	0.00
162	3.40	19.17	0.00
163	3.07	22.23	0.00
164	3.40	25.63	0.00
165	3.07	28.70	0.00
166	2.57	31.27	0.00
167	3.40	34.67	0.00
168	3.57	38.23	0.13
169	4.23	42.47	0.47
170	2.98	45.55	0.67
171	0.07	45.93	0.67
172	2.73	48.67	0.67
173	1.23	49.90	0.67
174	1.57	51.47	0.67
175	2.40	53.87	0.67
176	3.32	57.18	0.67
177	3.65	60.83	0.73
178	4.40	65.23	1.13
179	4.40	69.63	1.53
180	3.57	73.20	1.60
181	3.40	76.60	1.60
182	4.58	81.18	2.20

TOTAL DEG. DAYS (0) FOR JUNE/84 = 79.12

183	6.25	87.43	4.45
184	6.25	93.68	6.70
185	6.58	100.27	9.28
186	7.33	107.60	12.62
187	5.10	112.70	13.75
188	3.57	116.27	13.75
189	4.58	120.85	14.45
190	7.50	128.35	17.95
191	7.67	136.02	21.62
192	7.25	143.27	24.87
193	5.58	148.85	26.45
194	4.73	153.58	27.18
195	4.48	158.07	27.68
196	3.73	161.80	27.68
197	3.40	165.20	27.68

WITLESS BAY NFLD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
23A	7.0	47.28	52.82	MAY 30, 1984 24:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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198	6.30	171.50	30.18
199	8.83	180.33	35.02
200	4.93	185.27	36.32
201	5.62	190.88	38.03
202	7.17	198.05	41.20
203	6.75	204.80	43.95
204	9.08	213.88	49.03
205	8.42	222.30	53.45
206	8.75	231.05	58.20
207	3.00	234.05	58.53
208	6.82	240.87	61.35
209	9.42	250.28	66.77
210	9.92	260.20	72.68
211	9.92	270.12	78.60
212	9.25	279.37	83.85
213	9.67	289.03	89.52

TOTAL DEG. DAYS (0) FOR JULY/84 = 207.85

214	7.15	296.18	92.67
215	4.43	300.62	93.57
216	7.13	307.75	96.70
217	10.25	318.00	102.95
218	11.00	329.00	109.95
219	8.50	337.50	114.45
220	9.33	346.83	119.78
221	9.00	355.83	124.78
222	9.25	365.08	130.03
223	12.50	377.58	138.53
224	11.58	389.17	146.12
225	11.42	400.58	153.53
226	12.75	413.33	162.28
227	12.25	425.58	170.53
228	13.67	439.25	180.20
229	13.67	452.92	189.87
230	9.58	462.50	195.45
231	9.83	472.33	201.28
232	10.17	482.50	207.45
233	12.67	495.17	216.12
234	13.50	508.67	225.62
235	13.50	522.17	235.12
236	11.92	534.08	243.03
237	12.83	546.92	251.87
238	13.50	560.42	261.37
239	13.50	573.92	270.87
240	13.25	587.17	280.12
241	9.33	596.50	285.45
242	7.72	604.22	289.17
243	10.67	614.88	295.83
244	13.50	628.38	305.33

TOTAL DEG. DAYS (0) FOR AUG/84 = 339.35

WITLESS BAY MFLD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
23A 7.0 47.28 52.82 MAY 30, 1984 24:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

245	13.09	641.47	314.42
246	13.50	654.97	323.92
247	13.42	668.38	333.33
248	12.75	681.13	342.08
249	11.92	693.05	350.00
250	12.50	705.55	358.50
251	12.33	717.88	366.83
252	12.33	730.22	375.17
253	12.50	742.72	383.67
254	12.50	755.22	392.17
255	11.50	766.72	399.67
256	9.42	776.13	405.08
257	10.83	786.97	411.92
258	11.50	798.47	419.42
259	11.50	809.97	426.92
260	11.50	821.47	434.42
261	8.33	829.80	438.75
262	10.33	840.13	445.08
263	10.50	850.63	451.58
264	10.83	861.47	458.42
265	10.33	871.80	464.75
266	10.50	882.30	471.25
267	10.50	892.80	477.75
268	9.83	902.63	483.58
269	9.75	912.38	489.33
270	10.50	922.88	495.83

ESTTMATED DEG. DAYS (0) FOR SEPT/84 = 339.81

WITLESS BAY NFLO

STATION DEPTH LATITUDE LONGITUDE START
 233 3.0 47.26 52.77 JUNE 21, 1984 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
173	3.30	3.30	0.00
174	3.67	6.97	0.13
175	4.40	11.37	0.53
176	4.90	16.27	1.43
177	5.07	21.33	2.50
178	5.90	27.23	4.40
179	5.90	33.13	6.30
180	5.90	39.03	8.20
181	5.65	44.68	9.85
182	5.98	50.67	11.83

ESTIMATED DEG. DAYS (0) FOR JUNE/84 = 152.00

183	6.90	57.57	14.73
184	6.90	64.47	17.63
185	7.92	72.38	21.55
186	8.42	80.80	25.97
187	6.77	87.57	28.73
188	5.98	93.55	30.72
189	7.27	100.82	33.98
190	8.25	109.07	38.23
191	8.50	117.57	42.73
192	8.42	125.98	47.15
193	6.57	132.55	49.72
194	5.48	138.03	51.20
195	4.98	143.02	52.18
196	4.90	147.92	53.08
197	5.23	153.15	54.32
198	8.32	161.47	58.63
199	9.98	171.45	64.62
200	6.02	177.47	66.63
201	6.95	184.42	69.58
202	7.45	191.87	73.03
203	8.48	200.35	77.52
204	10.58	210.93	84.10
205	10.93	221.87	91.03
206	10.40	232.27	97.43
207	6.25	238.52	99.68
208	9.52	248.03	105.20
209	12.28	260.32	113.48
210	10.43	270.75	119.92
211	10.00	280.75	125.92
212	11.17	291.92	133.08
213	11.10	303.02	140.18

TOTAL DEG. DAYS (0) FOR JULY/84 = 252.35

214	8.67	311.68	144.85
215	5.82	317.50	146.67
216	8.60	326.10	151.27

WITLESS BAY NFELD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
238 8.0 47.26 52.77 JUNE 21, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

217	10.93	337.03	158.20
218	11.97	349.00	166.17
219	10.07	359.07	172.23
220	10.23	369.30	178.47
221	9.70	379.00	184.17
222	10.67	389.67	190.93
223	13.37	403.03	200.20
224	11.53	414.57	207.73
225	13.10	427.67	216.83
226	13.53	441.20	226.37
227	13.62	454.82	235.98
228	14.20	469.02	246.18
229	12.73	481.75	254.92
230	9.18	490.93	260.10
231	10.33	501.27	266.43
232	12.05	513.32	274.48
233	14.37	527.68	284.85
234	14.28	541.97	295.13
235	14.20	556.17	305.33
236	12.15	568.32	313.48
237	14.37	582.68	323.85
238	14.92	597.60	334.77
239	13.87	611.47	344.63
240	14.20	625.67	354.83
241	11.35	637.02	362.18
242	10.15	647.17	368.33
243	12.73	659.90	377.07
244	14.58	674.48	387.64

TOTAL DEG. DAYS (0) FOR AUG/84 = 371.46

WITLESS BAY NFD

STATION	DEPTH	LATITUDE	LONGITUDE	START
230	1.0	47.27	52.50	MAY 30, 1984 20:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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151	3.20	3.20	0.00
152	2.12	5.32	0.00
153	0.78	6.28	0.00
154	-0.13	6.38	0.00
155	1.45	7.83	0.00
156	2.12	9.95	0.00
157	1.95	11.90	0.00
158	1.78	13.68	0.00
159	1.95	15.63	0.00
160	3.37	19.00	0.00
161	4.03	23.03	0.23
162	4.20	27.23	0.43

ESTIMATED DEG. DAYS (0) FOR JUNE/84 = 65.75

LANC E COVE NFLD

STATION DEPTH LATITUDE LONGITUDE START
 24 10.0 47.08 52.89 JUNE 21, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DFG. DAY (0) DEG. DAY (4)

173	0.80	0.80	0.00
174	1.13	1.93	0.00
175	2.22	4.15	0.00
176	2.30	6.45	0.00
177	2.38	8.83	0.00
178	2.80	11.63	0.00
179	2.80	14.43	0.00
180	2.80	17.23	0.00
181	2.30	19.53	0.00
182	3.38	22.92	0.00

ESTIMATED DEG. DAYS (0) FOR JUNE/84 = 68.75

183	3.80	26.72	0.00
184	4.38	31.10	0.42
185	5.97	37.07	2.38
186	6.30	43.37	4.68
187	5.13	48.50	5.85
188	3.13	51.63	5.85
189	3.47	55.10	5.90
190	5.63	60.73	7.53
191	5.13	65.87	8.67
192	4.47	70.33	9.13
193	4.30	74.63	9.43
194	4.30	78.93	9.73
195	4.05	82.98	9.88
196	2.80	85.78	9.88
197	2.38	88.17	9.88
198	3.38	91.55	9.88
199	4.22	95.77	10.13
200	2.88	98.65	10.18
201	2.47	101.12	10.18
202	3.30	104.42	10.18
203	3.72	108.13	10.40
204	5.30	113.43	11.70
205	5.30	118.73	13.00
206	5.72	124.45	14.72
207	3.55	128.00	14.98
208	3.38	131.38	15.08
209	5.13	136.52	16.22
210	6.63	143.15	18.85
211	8.80	151.95	23.65
212	6.97	158.92	26.62
213	8.05	166.97	30.67

TOTAL DEG. DAYS (0) FOR JULY/84 = 144.05

214	6.47	173.43	33.13
215	2.88	176.32	33.13
216	3.13	179.45	33.40

LANCER COVE WFLD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
24 10.0 47.08 52.89 JUNE 21, 1984 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
217	5.47	184.92	34.87
218	6.47	191.38	37.33
219	7.30	198.68	40.63
220	6.80	205.48	43.43
221	5.38	210.87	44.82
222	6.47	217.33	47.28
223	10.72	228.05	54.00
224	9.47	237.52	59.47
225	6.38	243.90	62.12
226	10.55	254.45	68.67
227	9.13	263.58	73.80
228	11.50	275.08	81.30

ESTIMATED DEG. DAYS (0) FOR AUG/84 = 223.44

RTSCAY BAY RTVER NELD

STATION DEPTH LATITUDE LONGITUDE START
 25 1.0 46.77 53.22 JUNE 29, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

181	17.30	17.30	13.30
182	16.28	33.58	25.58
183	17.33	50.92	38.92
184	18.70	69.62	53.62
185	18.05	87.67	67.67
186	16.28	103.95	79.95
187	16.27	120.22	92.22
188	17.37	137.58	105.58
189	18.17	155.75	119.75
190	20.73	176.48	136.48
191	19.30	195.78	151.78
192	18.52	214.30	166.30
193	17.97	232.27	180.27
194	17.70	249.97	193.97
195	17.63	267.60	207.60
196	19.65	287.25	223.25
197	19.13	306.38	238.38
198	17.70	324.08	252.08
199	17.87	341.95	265.95
200	18.45	360.40	280.40
201	18.87	379.27	295.27
202	18.77	398.03	310.03
203	19.65	417.68	325.68
204	19.40	437.08	341.08
205	19.33	456.42	356.42
206	17.37	473.78	369.78
207	17.38	491.17	383.17
208	18.68	509.85	397.85
209	19.75	529.60	413.60
210	19.42	549.02	429.02
211	17.18	566.20	442.20
212	17.62	583.82	455.82
213	18.87	602.68	470.68

TOTAL DEG. DAYS (0) FOR JULY/84 = 569.10

214	19.48	622.17	486.17
215	18.78	640.95	500.95
216	18.35	659.30	515.30
217	20.10	679.40	531.40
218	20.48	699.88	547.88
219	19.03	718.92	562.92
220	20.47	739.38	579.38
221	21.02	760.40	596.40
222	22.17	782.57	614.57
223	17.78	800.35	628.35
224	17.98	818.33	642.33
225	18.05	836.38	656.38
226	17.37	853.75	669.75
227	19.67	873.42	685.42

BISCAY BAY RIVER NFLD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
25	1.0	46.77	53.28	JUNE 29, 1984 15:00 GMT
DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)	
228	19.13	892.55	700.55	
229	18.16	910.71	714.71	
ESTIMATED		DEG. DAYS (0) FOR AUG/84 =	596.80	

NORTH EAST TREPASSEY RIVER NFD

STATION	DEPTH	LATITUDE	LONGITUDE	START
26A	0.5	46.76	53.35	SEPT 13, 1984 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
257	14.95	14.95	10.95
258	11.00	25.95	17.95
259	15.52	41.47	29.47
260	15.55	57.02	41.02
261	15.12	72.13	52.13
262	19.92	92.05	68.05
263	20.10	112.15	84.15
264	20.93	133.08	101.08
265	21.85	154.93	118.93

OFF CAPE MUTTON TREPASSEY BAY NFLD

STATION	DEPTH	LATITUDE	LONGITUDE	START
26R	1.0	46.77	53.35	JUNE 10, 1984 20:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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162	3.80	3.80	0.00
163	4.22	8.02	0.25
164	4.30	12.32	0.55
165	4.30	16.62	0.85
166	4.13	20.75	1.05
167	4.88	25.63	1.93
168	4.63	30.27	2.60
169	3.55	33.82	2.60
170	4.47	38.28	3.10
171	5.73	44.02	4.83
172	6.65	50.67	7.48
173	6.65	57.32	10.13
174	5.70	63.02	12.15
175	2.38	65.40	12.15
176	4.22	69.62	12.40
177	4.72	74.33	13.12
178	5.30	79.63	14.42
179	6.55	86.18	16.97
180	5.80	91.98	18.77
181	5.55	97.53	20.32
182	5.92	103.45	22.23

ESTIMATED DEG. DAYS (0) FOR JUNE/84 = 147.79

183	6.28	109.73	24.52
184	6.10	115.83	26.62
185	6.72	122.55	29.33
186	6.55	129.10	31.88
187	7.23	136.33	35.12
188	7.23	143.57	38.35
189	6.90	150.47	41.25
190	7.40	157.87	44.65
191	7.12	164.98	47.77
192	6.73	171.72	50.50

ESTIMATED DEG. DAYS (0) FOR JULY/84 = 211.63

N F RIVER PLACENTIA BAY NFLD

STATION DEPTH LATITUDE LONGITUDE START
 27 1.0 47.29 53.79 JUNE 20, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

172	18.00	18.00	14.00
173	16.72	34.72	26.72
174	14.53	49.25	37.25
175	13.13	62.38	46.38
176	13.05	75.43	55.43
177	13.58	89.02	65.02
178	15.93	104.95	76.95
179	15.22	120.17	88.17
180	15.07	135.23	99.23
181	15.58	150.82	110.82
182	17.67	168.48	124.48

ESTIMATED DEG. DAYS (0) FOR JUNE/84 = 459.50

183	19.40	187.88	139.88
184	20.10	207.98	155.98
185	18.72	226.70	170.70
186	17.60	244.30	184.30
187	18.88	263.18	199.18
188	18.43	281.62	213.62
189	19.08	300.70	228.70
190	21.68	322.38	246.38
191	22.55	344.93	264.93
192	22.55	367.48	283.48
193	21.42	388.90	300.90
194	21.67	410.57	318.57
195	20.48	431.05	335.05
196	21.33	452.38	352.38
197	20.82	473.20	369.20
198	19.60	492.80	384.80
199	19.35	512.15	400.15
200	19.67	531.82	415.82
201	19.95	551.77	431.77
202	20.30	572.07	448.07
203	22.03	594.10	466.10
204	20.45	614.55	482.55
205	20.28	634.83	498.83
206	19.68	654.52	514.52
207	19.07	673.58	529.58
208	20.38	693.97	545.97
209	20.47	714.43	562.43
210	19.85	734.28	578.28
211	18.97	753.25	593.25
212	19.93	773.18	609.18
213	21.32	794.50	626.50

TOTAL DEG. DAYS (0) FOR JULY/84 = 626.02

214	20.53	815.03	643.03
215	20.65	835.68	659.68

N E RIVER PLACENTIA BAY NFLD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
27	1.0	47.29	53.79	JUNE 20, 1984 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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216	20.12	855.80	675.80
217	20.82	876.62	692.62
218	21.95	898.57	710.57
219	21.33	919.90	727.90
220	22.55	942.45	746.45
221	23.60	966.05	766.05
222	22.98	989.03	785.03
223	18.73	1007.77	799.77
224	19.60	1027.37	815.37
225	19.97	1047.33	831.33
226	17.93	1065.27	845.27
227	20.80	1086.07	862.07
228	21.32	1107.38	879.38
229	20.63	1128.02	896.02
230	21.68	1149.70	913.70
231	22.53	1172.23	932.23
232	20.02	1192.25	948.25
233	20.28	1212.53	964.53
234	20.28	1232.82	980.82
235	19.77	1252.58	996.58
236	20.73	1273.32	1013.32
237	21.00	1294.32	1030.32
238	19.68	1314.00	1046.00
239	18.53	1332.53	1060.53
240	19.07	1351.60	1075.60
241	19.43	1371.03	1091.03
242	20.05	1391.08	1107.08
243	19.87	1410.95	1122.95
244	19.52	1430.47	1138.47

TOTAL DEG. DAYS (0) FOR AUG/84 = 635.97

245	19.60	1450.07	1154.07
246	19.27	1469.33	1169.33
247	16.72	1486.05	1182.05
248	16.46	1502.51	1194.51

SHAG ROCKS NFLD

STATION DEPTH LATITUDE LONGITUDE START
 28A 0.0 47.42 53.83 OCT 5, 1983 20:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
278	12.80	12.80	8.80
279	12.20	25.00	17.00
280	12.20	37.20	25.20
281	12.20	49.40	33.40
282	11.95	61.35	41.35
283	11.70	73.05	49.05
284	11.70	84.75	56.75
285	11.70	96.45	64.45
286	11.70	108.15	72.15
287	11.70	119.85	79.85
288	11.70	131.55	87.55
289	11.70	143.25	95.25
290	11.53	154.78	102.78
291	11.20	165.98	109.98
292	11.20	177.18	117.18
293	11.20	188.38	124.38
294	10.95	199.33	131.33
295	10.40	209.73	137.73
296	8.12	217.85	141.35
297	4.15	222.00	142.18
298	6.17	228.17	144.35
299	6.70	234.87	147.05
300	8.67	243.53	151.72
301	9.10	252.63	156.82
302	9.10	261.73	161.92
303	9.10	270.83	167.02
304	8.93	279.77	171.95

ESTIMATED DEG. DAYS (0) FOR OCT/83 = 321.21

305	8.60	288.37	176.55
306	8.60	296.97	181.15
307	8.60	305.57	185.75
308	8.60	314.17	190.35
309	8.60	322.77	194.95
310	8.10	330.87	199.05
311	8.00	338.87	203.05
312	8.00	346.87	207.05
313	8.00	354.87	211.05
314	8.00	362.87	215.05
315	8.00	370.87	219.05
316	8.00	378.87	223.05
317	8.00	386.87	227.05
318	8.00	394.87	231.05
319	7.50	402.37	234.55
320	7.50	409.87	238.05
321	7.50	417.37	241.55
322	7.50	424.87	245.05
323	7.50	432.37	248.55
324	7.50	439.87	252.05

SHAG ROCKS NFLD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
284	9.0	47.42	53.83	OCT 5, 1983 20:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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325	7.50	447.37	255.55
326	7.50	454.87	259.05
327	7.50	462.37	262.55
328	7.08	469.45	265.63
329	6.60	476.05	268.23
330	6.40	482.45	270.63
331	6.40	488.85	273.03
332	6.40	495.25	275.43
333	6.15	501.40	277.58
334	5.90	507.30	279.48

TOTAL DEG. DAYS (0) FOR NOV/83 = 227.53

335	5.90	513.20	281.38
336	5.90	519.10	283.28
337	5.65	524.75	284.93
338	5.40	530.15	286.33
339	5.40	535.55	287.73
340	5.40	540.95	289.13
341	5.40	546.35	290.53
342	5.40	551.75	291.93
343	5.40	557.15	293.33
344	5.40	562.55	294.73
345	5.15	567.70	295.88
346	4.90	572.60	296.78
347	4.90	577.50	297.68
348	4.50	582.00	298.18
349	4.30	586.30	298.48
350	4.30	590.60	298.78
351	4.30	594.90	299.08
352	4.30	599.20	299.38
353	4.05	603.25	299.53
354	3.80	607.05	299.53
355	3.38	610.43	299.53
356	3.30	613.73	299.53
357	3.30	617.03	299.53
358	3.13	620.17	299.53
359	2.80	622.97	299.53
360	2.80	625.77	299.53
361	2.80	628.57	299.53
362	2.80	631.37	299.53
363	2.80	634.17	299.53
364	2.80	636.97	299.53
365	2.50	639.47	299.53

TOTAL DEG. DAYS (0) FOR DEC/83 = 132.17

1	2.20	641.67	299.53
2	2.20	643.87	299.53
3	2.20	646.07	299.53

SHAG ROCKS NELO ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
28A 9.0 47.42 53.83 OCT 5, 1983 20:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
4	2.20	648.27	299.53
5	2.20	650.47	299.53
6	2.20	652.67	299.53
7	2.20	654.87	299.53
8	2.20	657.07	299.53
9	2.20	659.27	299.53
10	2.20	661.47	299.53
11	2.20	663.67	299.53
12	2.20	665.87	299.53
13	2.12	667.98	299.53
14	1.70	669.68	299.53
15	1.70	671.38	299.53
16	1.70	673.08	299.53
17	1.70	674.78	299.53

ESTIMATED DEG. DAYS (0) FOR JAN/84 = 64.40

SHAG ROCKS NFLD

STATION DEPTH LATITUDE LONGITUDE START
 288 9.1 47.42 53.83 OCT 5, 1983 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

278	11.60	11.60	7.60
279	11.60	23.20	15.20
280	11.60	34.80	22.80
281	11.60	46.40	30.40
282	11.60	58.00	38.00
283	11.60	69.60	45.60
284	11.60	81.20	53.20
285	11.60	92.80	60.80
286	11.18	103.98	67.98
287	11.10	115.08	75.08
288	11.10	126.18	82.18
289	11.10	137.28	89.28
290	11.10	148.38	96.38
291	10.93	159.32	103.32
292	10.60	169.92	109.92
293	10.60	180.52	116.52
294	10.60	191.12	123.12
295	10.02	201.13	129.13
296	7.73	208.87	132.87
297	4.07	212.93	133.23
298	5.73	218.67	134.97
299	6.40	225.07	137.37
300	7.98	233.05	141.35
301	8.50	241.55	145.85
302	8.50	250.05	150.35
303	8.50	258.55	154.85
304	8.50	267.05	159.35

ESTIMATED DEG. DAYS (0) FOR OCT/83 = 306.61

305	8.50	275.55	163.85
306	8.08	283.63	167.93
307	8.00	291.63	171.93
308	8.00	299.63	175.93
309	8.00	307.63	179.93
310	8.00	315.63	183.93
311	8.00	323.63	187.93
312	8.00	331.63	191.93
313	8.00	339.63	195.93
314	7.67	347.30	199.60
315	7.50	354.80	203.10
316	7.50	362.30	206.60
317	7.50	369.80	210.10
318	7.50	377.30	213.60
319	7.33	384.63	216.93
320	7.00	391.63	219.93
321	7.00	398.63	222.93
322	7.00	405.63	225.93
323	7.00	412.63	228.93
324	7.00	419.63	231.93

SHAG ROCKS NFED ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
 222 9.1 47.42 53.83 OCT 5, 1983 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

325	7.00	426.63	234.93
326	7.00	433.63	237.93
327	7.00	440.63	240.93
328	6.80	447.43	243.73
329	6.15	453.58	245.88
330	5.90	459.48	247.78
331	5.90	465.38	249.68
332	5.90	471.28	251.58
333	5.90	477.18	253.48
334	5.90	483.08	255.38

TOTAL DEG. DAYS (0) FOR NOV/83 = 216.03

335	5.48	488.57	256.87
336	5.40	493.97	258.27
337	5.40	499.37	259.67
338	5.40	504.77	261.07
339	5.40	510.17	262.47
340	5.07	515.23	263.53
341	4.90	520.13	264.43
342	4.90	525.03	265.33
343	4.90	529.93	266.23
344	4.90	534.83	267.13
345	4.90	539.73	268.03
346	4.73	544.47	268.77
347	4.40	548.87	269.17
348	4.40	553.27	269.57
349	4.40	557.67	269.97
350	4.40	562.07	270.37
351	4.40	566.47	270.77
352	4.07	570.53	270.90
353	3.90	574.43	270.90
354	3.82	578.25	270.90
355	3.40	581.65	270.90
356	3.40	585.05	270.90
357	3.40	588.45	270.90
358	2.90	591.35	270.90
359	2.80	594.15	270.90
360	2.55	596.70	270.90
361	2.30	599.00	270.90
362	2.30	601.30	270.90
363	2.30	603.60	270.90
364	2.30	605.90	270.90
365	2.30	608.20	270.90

TOTAL DEG. DAYS (0) FOR DEC/83 = 125.12

1	2.30	610.50	270.90
2	1.88	612.38	270.90
3	1.80	614.18	270.90

SHAG ROCKS NEFD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
288	9.1	47.42	53.83	OCT 5. 1983 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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4	1.80	615.98	270.90
5	1.80	617.78	270.90
6	1.80	619.58	270.90
7	1.80	621.38	270.90
8	1.80	623.18	270.90
9	1.80	624.98	270.90
10	1.80	626.78	270.90
11	1.80	628.58	270.90
12	1.80	630.38	270.90
13	1.80	632.18	270.90
14	1.38	633.57	270.90
15	1.30	634.87	270.90
16	1.30	636.17	270.90
17	1.30	637.47	270.90

ESTIMATED DEG. DAYS (0) FOR JAN/84 = 53.37

SHAG ROCKS NFD

STATION DEPTH LATITUDE LONGITUDE START
200 9.0 47.42 53.83 JAN 17, 1984 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
17	1.25	1.25	0.00
18	1.50	2.75	0.00
19	1.50	4.25	0.00
20	1.50	5.75	0.00
21	1.17	6.92	0.00
22	1.00	7.92	0.00
23	0.70	8.62	0.00
24	0.40	9.02	0.00
25	0.40	9.42	0.00
26	0.40	9.82	0.00
27	0.40	10.22	0.00
28	0.40	10.62	0.00
29	0.40	11.02	0.00
30	0.40	11.42	0.00
31	0.40	11.82	0.00

ESTIMATED DEG. DAYS (0) FOR JAN/84 = 24.42

32	0.40	12.22	0.00
33	0.40	12.62	0.00
34	0.40	13.02	0.00
35	0.40	13.42	0.00
36	0.40	13.82	0.00
37	0.40	14.22	0.00
38	0.60	14.82	0.00
39	1.00	15.82	0.00
40	1.00	16.82	0.00
41	1.00	17.82	0.00
42	0.40	18.22	0.00
43	0.40	18.62	0.00
44	0.40	19.02	0.00
45	0.40	19.42	0.00
46	0.40	19.82	0.00
47	0.40	20.22	0.00
48	1.00	21.22	0.00
49	1.00	22.22	0.00
50	1.00	23.22	0.00
51	1.00	24.22	0.00
52	0.50	24.72	0.00
53	0.40	25.12	0.00
54	0.40	25.52	0.00
55	0.40	25.92	0.00
56	0.40	26.32	0.00
57	0.40	26.72	0.00
58	0.40	27.12	0.00
59	0.40	27.52	0.00
60	0.40	27.92	0.00

TOTAL DEG. DAYS (0) FOR FEB/84 = 16.10

SHAG ROCKS NFLD

STATION	DEPTH	LATITUDE	LONGITUDE	START
280	9.0	47.42	53.83	JAN 17, 1984 20:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
17	0.90	0.90	0.00
18	0.90	1.80	0.00
19	0.90	2.70	0.00
20	0.90	3.60	0.00
21	0.90	4.50	0.00
22	0.65	5.15	0.00
23	0.40	5.55	0.00
24	0.40	5.95	0.00
25	0.40	6.35	0.00
26	0.40	6.75	0.00
27	0.20	7.02	0.00
28	-0.20	7.02	0.00
29	-0.20	7.02	0.00
30	-0.20	7.02	0.00
31	-0.20	7.02	0.00

ESTMATED DEG. DAYS (0) FOR JAN/84 = 14.50

32	-0.20	7.02	0.00
33	-0.20	7.02	0.00
34	-0.20	7.02	0.00
35	-0.20	7.02	0.00
36	0.20	7.35	0.00
37	0.40	7.75	0.00
38	0.73	8.48	0.00
39	0.90	9.38	0.00
40	0.90	10.28	0.00
41	0.40	10.68	0.00
42	0.40	11.08	0.00
43	0.40	11.48	0.00
44	0.40	11.88	0.00
45	0.40	12.28	0.00
46	0.40	12.68	0.00
47	0.40	13.08	0.00
48	0.40	13.48	0.00
49	0.40	13.88	0.00
50	0.40	14.28	0.00
51	0.40	14.68	0.00
52	0.00	14.82	0.00
53	0.30	15.15	0.00
54	0.40	15.55	0.00
55	0.40	15.95	0.00
56	0.40	16.35	0.00
57	0.40	16.75	0.00
58	0.40	17.15	0.00
59	0.40	17.55	0.00
60	0.40	17.95	0.00

TOTAL DEG. DAYS (0) FOR FEB/84 = 10.93

SHAG ROCKS NFLD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
280 9.0 47.42 53.83 JAN 17, 1984 20:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

61	0.40	18.35	0.00
62	0.40	18.75	0.00
63	0.40	19.15	0.00
64	0.40	19.55	0.00
65	0.40	19.95	0.00
66	0.40	20.35	0.00
67	0.40	20.75	0.00
68	0.40	21.15	0.00
69	0.40	21.55	0.00
70	0.40	21.95	0.00
71	0.00	22.08	0.00
72	-0.20	22.08	0.00
73	-0.20	22.08	0.00
74	-0.20	22.08	0.00
75	-0.20	22.08	0.00
76	-0.20	22.08	0.00
77	-0.10	22.15	0.00
78	0.40	22.55	0.00
79	0.40	22.95	0.00
80	-0.10	23.02	0.00
81	-0.20	23.02	0.00
82	-0.20	23.02	0.00
83	-0.10	23.08	0.00
84	0.40	23.48	0.00
85	0.40	23.88	0.00
86	0.40	24.28	0.00
87	0.40	24.68	0.00
88	0.40	25.08	0.00
89	0.40	25.48	0.00
90	0.20	25.75	0.00
91	-0.20	25.75	0.00

TOTAL DEG. DAYS (0) FOR MAR/84 = 7.80

92	-0.20	25.75	0.00
93	-0.20	25.75	0.00
94	0.00	25.88	0.00
95	0.40	26.28	0.00
96	0.40	26.68	0.00
97	0.40	27.08	0.00
98	0.48	27.57	0.00
99	0.90	28.47	0.00
100	0.90	29.37	0.00
101	0.90	30.27	0.00
102	0.40	30.67	0.00
103	0.40	31.07	0.00
104	0.40	31.47	0.00
105	-0.20	31.47	0.00
106	-0.20	31.47	0.00
107	-0.20	31.47	0.00

SHAG ROCKS NEFD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
280 9.0 47.42 53.83 JAN 17, 1984 20:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
108	-0.20	31.47	0.00
109	0.20	31.73	0.00
110	0.40	32.13	0.00
111	0.40	32.53	0.00
112	0.40	32.93	0.00
113	0.40	33.33	0.00
114	0.40	33.73	0.00
115	-0.10	33.80	0.00
116	-0.20	33.80	0.00
117	-0.20	33.80	0.00
118	-0.20	33.80	0.00
119	0.00	33.93	0.00
120	0.00	34.07	0.00
121	-0.20	34.07	0.00

TOTAL DEG. DAYS (0) FOR APR/84 = 8.32

122	-0.10	34.13	0.00
123	0.40	34.53	0.00
124	0.57	35.10	0.00
125	0.90	36.00	0.00
126	0.90	36.90	0.00
127	0.90	37.80	0.00
128	0.90	38.70	0.00
129	0.90	39.60	0.00
130	0.90	40.50	0.00

SHAG ROCKS NEFD

STATION DEPTH LATITUDE LONGITUDE START
 28E 9.0 47.42 53.83 MAY 9, 1984 20:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

130	2.10	2.10	0.00
131	1.93	4.03	0.00
132	2.10	6.13	0.00
133	2.10	8.23	0.00
134	2.10	10.33	0.00
135	2.75	13.08	0.00
136	2.95	16.03	0.00
137	2.87	18.90	0.00
138	3.20	22.10	0.00
139	2.87	24.97	0.00
140	2.95	27.92	0.00
141	3.20	31.12	0.00
142	3.20	34.32	0.00
143	3.02	37.33	0.00
144	2.10	39.43	0.00
145	1.77	41.20	0.00
146	2.10	43.30	0.00
147	2.30	45.60	0.00
148	4.20	49.80	0.20
149	4.20	54.00	0.40
150	4.20	58.20	0.60
151	4.37	62.57	0.97
152	4.90	67.47	1.87

ESTIMATED DEG. DAYS (0) FOR MAY/84 = 90.93

153	5.30	72.77	3.17
154	5.30	78.07	4.47
155	5.72	83.78	6.18
156	5.30	89.08	7.48
157	5.30	94.38	8.78
158	5.30	99.68	10.08
159	5.30	104.98	11.38
160	3.72	108.70	11.67
161	2.67	111.37	11.67
162	4.62	115.98	12.28
163	4.37	120.35	12.78
164	4.93	125.28	13.35
165	5.80	131.08	15.65
166	5.80	136.88	17.45
167	6.30	143.18	19.75
168	4.30	147.48	20.55
169	2.98	150.47	20.62
170	4.65	155.12	21.27
171	5.30	160.42	22.57
172	5.63	166.05	24.20
173	5.88	171.93	26.08
174	6.22	178.15	28.30
175	3.53	181.68	28.52
176	5.12	186.80	29.63

SHAG ROCKS NFLD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
28E 9.0 47.42 53.83 MAY 9, 1984 20:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

177	4.90	191.70	30.53
178	5.27	196.97	31.80
179	6.30	203.27	34.10
180	6.80	210.07	36.90
181	6.80	216.87	39.70
182	7.22	224.08	42.92

TOTAL DEG. DAYS (0) FOR JUNE/84 = 156.62

183	7.30	231.38	46.22
184	7.40	238.78	49.52
185	7.90	246.68	53.52
186	8.48	255.17	58.00
187	8.90	264.07	62.90
188	8.90	272.97	67.80
189	9.07	282.03	72.87
190	9.40	291.43	78.27
191	9.65	301.08	83.92
192	10.20	311.28	90.12
193	11.00	322.28	97.12
194	11.75	334.03	104.87
195	12.17	346.20	113.03
196	12.50	358.70	121.53
197	12.50	371.20	130.03
198	12.50	383.70	138.53
199	12.50	396.20	147.03
200	12.70	408.90	155.73
201	13.10	422.00	164.83
202	13.10	435.10	173.93
203	13.35	448.45	183.28
204	13.60	462.05	192.88
205	13.60	475.65	202.48
206	13.60	489.25	212.08
207	13.60	502.85	221.68
208	13.60	516.45	231.28
209	13.77	530.22	241.05
210	14.27	544.48	251.32
211	14.60	559.08	261.92
212	14.60	573.68	272.52
213	14.60	588.28	283.12

TOTAL DEG. DAYS (0) FOR JULY/84 = 364.20

214	14.60	602.88	293.72
215	14.60	617.48	304.32
216	14.93	632.42	315.25
217	15.30	647.72	326.55
218	15.70	663.42	338.25
219	15.70	679.12	349.95
220	15.70	694.82	361.65

SHAG ROCKS MFLD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
28E	9.0	47.42	53.83	MAY 9, 1984 20:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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221	16.03	710.85	373.58
222	11.08	721.93	380.90
223	6.15	728.08	383.58
224	14.02	742.10	393.60
225	14.02	756.12	403.62
226	13.58	769.70	413.20

ESTIMATED DFG. DAYS (0) FOR AUG/84 = 432.61

SHAG ROCKS FELD

STATION DEPTH LATITUDE LONGITUDE START
285 9.0 47.42 53.83 MAY 9, 1984 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
130	2.40	2.40	0.00
131	1.98	4.38	0.00
132	2.32	6.70	0.00
133	2.40	9.10	0.00
134	2.48	11.58	0.00
135	3.23	14.82	0.00
136	3.23	18.05	0.00
137	3.23	21.28	0.00
138	3.40	24.68	0.00
139	2.98	27.67	0.00
140	3.15	30.82	0.00
141	3.48	34.30	0.00
142	3.90	38.20	0.00
143	3.65	41.85	0.00
144	2.90	44.75	0.00
145	2.15	46.90	0.00
146	2.90	49.80	0.00
147	2.90	52.70	0.00
148	4.65	57.35	0.65
149	4.48	61.83	1.13
150	4.90	66.73	2.03
151	4.90	71.63	2.93
152	4.90	76.53	3.83

ESTIMATED DEG. DAYS (0) FOR MAY/84 = 103.15

ARNOLDS COVE FLD

STATION	DEPTH	LATITUDE	LONGITUDE	START
29A	9.0	47.75	54.00	OCT 3, 1983 16:00 GMT

DAY NUMBER	MEAN TEMP.	DFG. DAY (0)	DEG. DAY (4)
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276	12.00	12.00	8.00
277	12.00	24.00	16.00
278	12.00	36.00	24.00
279	12.00	48.00	32.00
280	12.00	60.00	40.00
281	12.00	72.00	48.00
282	12.00	84.00	56.00
283	12.00	96.00	64.00
284	12.00	108.00	72.00
285	11.50	119.50	79.50
286	11.50	131.00	87.00
287	11.50	142.50	94.50
288	11.83	154.33	102.33
289	11.83	166.17	110.17
290	11.50	177.67	117.67
291	11.17	188.83	124.83
292	11.00	199.83	131.83
293	11.00	210.83	138.83
294	10.80	221.63	145.63
295	8.32	229.95	149.95
296	6.07	236.02	152.07
297	2.78	238.80	152.07
298	2.70	241.50	152.07
299	4.25	245.75	152.47
300	7.47	253.22	155.93
301	7.98	261.20	159.92
302	8.40	269.60	164.32
303	8.40	278.00	168.72
304	8.07	286.07	172.78

ESTTMATED DEG. DAYS (0) FOR OCT/83 = 305.80

305	7.90	293.97	176.68
306	7.90	301.87	180.58
307	7.90	309.77	184.48
308	7.90	317.67	188.38
309	7.90	325.57	192.28
310	7.90	333.47	196.18
311	7.90	341.37	200.08
312	7.90	349.27	203.98
313	7.90	357.17	207.88
314	7.90	365.07	211.78
315	7.40	372.47	215.18
316	7.40	379.87	218.58
317	7.40	387.27	221.98
318	7.40	394.67	225.38
319	7.40	402.07	228.78
320	6.90	408.97	231.68
321	6.80	415.77	234.48
322	6.80	422.57	237.28

ARNOLDS COVE NFD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
22A 9.0 47.75 54.00 OCT 3, 1983 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

323	6.80	429.37	240.08
324	6.80	436.17	242.88
325	6.80	442.97	245.68
326	6.80	449.77	248.48
327	6.80	456.57	251.28
328	6.72	463.28	254.00
329	4.97	468.25	254.97
330	5.22	473.47	256.18
331	5.80	479.27	257.98
332	5.80	485.07	259.78
333	4.80	489.87	260.58
334	4.55	494.42	261.13

TOTAL DEG. DAYS (0) FOR NOV/83 = 208.35

335	5.13	499.55	262.27
336	5.13	504.68	263.40
337	5.30	509.98	264.70
338	5.13	515.12	265.83
339	4.80	519.92	266.53
340	4.80	524.72	267.43
341	4.80	529.52	268.23
342	4.80	534.32	269.03
343	4.80	539.12	269.83
344	4.80	543.92	270.63
345	4.30	548.22	270.93
346	4.10	552.32	271.13
347	3.70	556.02	271.13
348	3.70	559.72	271.13
349	3.70	563.42	271.13
350	3.70	567.12	271.13
351	3.90	571.02	271.23
352	4.30	575.32	271.53
353	3.90	579.22	271.63
354	3.45	582.67	271.63
355	2.70	585.37	271.63
356	2.53	587.90	271.63
357	2.70	590.60	271.63
358	2.70	593.30	271.63
359	2.62	595.92	271.63
360	2.20	598.12	271.63
361	2.20	600.32	271.63
362	2.28	602.60	271.63
363	2.70	605.30	271.63
364	2.70	608.00	271.63
365	2.70	610.70	271.63

TOTAL DEG. DAYS (0) FOR DEC/83 = 116.28

1	2.28	612.98	271.63
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ARNOLDS COVE FELD ... CONTINUED

STATION 294 DEPTH 9.0 LATITUDE 47.75 LONGITUDE 54.00 START OCT 3, 1983 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
2	2.20	615.18	271.63
3	1.95	617.13	271.63
4	2.45	619.58	271.63
5	2.20	621.78	271.63
6	2.20	623.98	271.63
7	2.20	626.18	271.63
8	2.20	628.38	271.63
9	2.20	630.58	271.63
10	2.12	632.70	271.63
11	1.70	634.40	271.63
12	2.20	636.60	271.63
13	2.12	638.72	271.63
14	1.70	640.42	271.63
15	1.70	642.12	271.63
16	1.37	643.48	271.63
17	1.20	644.68	271.63
18	1.20	645.88	271.63
19	1.20	647.08	271.63
20	1.70	648.78	271.63
21	1.37	650.15	271.63
22	0.80	650.95	271.63
23	0.60	651.55	271.63
24	0.60	652.15	271.63
25	0.10	652.25	271.63
26	0.60	652.85	271.63
27	0.60	653.45	271.63
28	0.60	654.05	271.63
29	0.60	654.65	271.63
30	0.60	655.25	271.63
31	0.60	655.85	271.63

TOTAL DEG. DAYS (0) FOR JAN/84 = 45.15

ARNOLDS COVE NFID

STATION 298 DEPTH 9.0 LATITUDE 47.75 LONGITUDE 54.00 START OCT 3, 1983 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

276	11.80	11.80	7.80
277	11.90	23.70	15.70
278	12.40	36.10	24.10
279	11.80	47.90	31.90
280	11.80	59.70	39.70
281	11.80	71.50	47.50
282	11.80	83.30	55.30
283	11.80	95.10	63.10
284	11.30	106.40	70.40
285	11.30	117.70	77.70
286	11.30	129.00	85.00
287	11.30	140.30	92.30
288	11.30	151.60	99.60
289	11.30	162.90	106.90
290	11.30	174.20	114.20
291	11.22	185.42	121.42
292	10.80	196.22	128.22
293	10.80	207.02	135.02
294	10.55	217.57	141.57
295	8.33	225.90	145.90
296	6.20	232.10	148.10
297	3.18	235.28	148.10
298	3.10	238.38	148.10
299	4.35	242.73	148.52
300	7.40	250.13	151.92
301	8.30	253.43	156.22
302	8.30	266.73	160.52
303	8.30	275.03	164.82
304	8.30	283.33	169.12

ESTIMATED DEG. DAYS (0) FOR OCT/83 = 302.87

305	8.30	291.63	173.42
306	8.30	299.93	177.72
307	8.30	308.23	182.02
308	8.30	316.53	186.32
309	7.70	324.23	190.02
310	7.70	331.93	193.72
311	7.70	339.63	197.42
312	7.70	347.33	201.12
313	7.70	355.03	204.82
314	7.70	362.73	208.52
315	7.53	370.27	212.05
316	7.20	377.47	215.25
317	7.20	384.67	218.45
318	7.20	391.87	221.65
319	7.20	399.07	224.85
320	6.87	405.93	227.72
321	6.70	412.63	230.42
322	6.87	419.50	233.28

ARNOLDS COVE NFLD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
209	9.0	47.75	54.00	OCT 3, 1983 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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323	7.20	426.70	236.48
324	7.20	433.90	239.68
325	7.20	441.10	242.88
326	7.12	448.22	246.00
327	6.70	454.92	248.70
328	6.62	461.53	251.32
329	4.95	466.48	252.27
330	5.28	471.77	253.55
331	5.70	477.47	255.25
332	5.70	483.17	256.95
333	4.70	487.87	257.65
334	4.53	492.40	258.18

TOTAL DEG. DAYS (0) FOR NOV/83 = 209.07

335	5.20	497.60	259.38
336	5.20	502.80	260.58
337	5.20	508.00	261.78
338	5.20	513.20	262.98
339	5.20	518.40	264.18
340	4.95	523.35	265.13
341	4.70	528.05	265.83
342	4.87	532.92	266.70
343	5.20	538.12	267.90
344	5.20	543.32	269.10
345	4.87	548.18	269.97
346	4.28	552.47	270.25
347	4.20	556.67	270.45
348	4.10	560.77	270.62
349	4.20	564.97	270.82
350	4.20	569.17	271.02
351	4.20	573.37	271.22
352	4.20	577.57	271.42
353	4.20	581.77	271.62
354	3.92	585.68	271.75
355	3.10	588.78	271.75
356	2.93	591.72	271.75
357	3.10	594.82	271.75
358	3.10	597.92	271.75
359	2.85	600.77	271.75
360	2.60	603.37	271.75
361	2.18	605.55	271.75
362	2.60	608.15	271.75
363	2.60	610.75	271.75
364	3.10	613.85	271.75
365	3.10	616.95	271.75

TOTAL DEG. DAYS (0) FOR DEC/83 = 124.55

1	2.68	619.63	271.75
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ARNOLDS COVE NFLD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
29R 9.0 47.75 54.00 OCT 3, 1983 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

2	2.60	622.23	271.75
3	2.18	624.42	271.75
4	2.52	626.93	271.75
5	2.10	629.03	271.75
6	2.10	631.13	271.75
7	2.10	633.23	271.75
8	2.10	635.33	271.75
9	2.10	637.43	271.75
10	2.10	639.53	271.75
11	2.10	641.63	271.75
12	2.10	643.73	271.75
13	2.10	645.83	271.75
14	2.10	647.93	271.75
15	2.10	650.03	271.75
16	1.68	651.72	271.75
17	1.52	653.23	271.75
18	1.10	654.33	271.75
19	1.10	655.43	271.75
20	1.60	657.03	271.75
21	1.35	658.38	271.75
22	0.93	659.32	271.75
23	0.60	659.92	271.75
24	0.60	660.52	271.75
25	0.60	661.12	271.75
26	0.93	662.05	271.75
27	1.10	663.15	271.75
28	0.60	663.75	271.75
29	0.85	664.60	271.75
30	1.10	665.70	271.75
31	1.10	666.80	271.75

TOTAL DEG. DAYS (0) FOR JAN/84 = 49.85

ARNOLDS COVE NFD

STATION 290 DEPTH 9.0 LATITUDE 47.75 LONGITUDE 54.00 START JAN 31, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

31	3.30	3.30	0.90
32	0.80	4.10	0.90
33	0.55	4.65	0.90
34	0.30	4.95	0.90
35	0.30	5.25	0.90
36	0.63	5.88	0.90
37	0.80	6.68	0.90
38	0.80	7.48	0.90
39	0.80	8.28	0.90
40	0.80	9.08	0.90
41	0.80	9.88	0.90
42	0.55	10.43	0.90
43	0.30	10.73	0.90
44	0.30	11.03	0.90
45	0.30	11.33	0.90
46	0.30	11.63	0.90
47	0.30	11.93	0.90
48	0.30	12.23	0.90
49	0.30	12.53	0.90
50	0.72	13.25	0.90
51	0.30	13.55	0.90
52	0.30	13.85	0.90
53	0.30	14.15	0.90
54	0.30	14.45	0.90
55	0.30	14.75	0.90
56	0.30	15.05	0.90
57	0.30	15.35	0.90
58	0.30	15.65	0.90
59	0.30	15.95	0.90
60	0.30	16.25	0.90

TOTAL DEG. DAYS (0) FOR FEB/84 = 12.95

61	0.30	16.55	0.90
62	0.63	17.18	0.90
63	0.80	17.98	0.90
64	0.80	18.78	0.90
65	0.80	19.58	0.90
66	0.47	20.05	0.90
67	0.30	20.35	0.90
68	0.30	20.65	0.90
69	0.30	20.95	0.90
70	0.30	21.25	0.90
71	0.30	21.55	0.90
72	0.30	21.85	0.90
73	-0.20	21.85	0.90
74	0.13	22.05	0.90
75	0.30	22.35	0.90
76	0.30	22.65	0.90
77	0.30	22.95	0.90

ARNOLDS COVE NFLD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
20C 9.0 47.75 54.00 JAN 31, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

78	0.30	23.25	0.90
79	0.30	23.55	0.90
80	0.30	23.85	0.90
81	0.30	24.15	0.90
82	0.30	24.45	0.90
83	0.72	25.17	0.90
84	0.80	25.97	0.90
85	0.80	26.77	0.90
86	0.80	27.57	0.90
87	0.80	28.37	0.90
88	0.38	28.75	0.90
89	0.30	29.05	0.90
90	0.30	29.35	0.90
91	0.30	29.65	0.90

TOTAL DEG. DAYS (0) FOR MAR/84 = 13.40

92	0.30	29.95	0.90
93	0.30	30.25	0.90
94	0.30	30.55	0.90
95	0.38	30.93	0.90
96	0.80	31.73	0.90
97	0.80	32.53	0.90
98	0.80	33.33	0.90
99	0.80	34.13	0.90
100	0.80	34.93	0.90
101	0.47	35.40	0.90
102	0.30	35.70	0.90
103	0.30	36.00	0.90
104	0.30	36.30	0.90
105	0.30	36.60	0.90
106	0.30	36.90	0.90
107	0.30	37.20	0.90
108	0.30	37.50	0.90
109	0.30	37.80	0.90
110	0.30	38.10	0.90
111	0.63	38.73	0.90
112	0.80	39.53	0.90
113	0.63	40.17	0.90
114	0.30	40.47	0.90
115	0.30	40.77	0.90
116	0.30	41.07	0.90
117	0.72	41.78	0.90
118	0.60	42.58	0.90
119	0.38	42.97	0.90
120	0.30	43.27	0.90
121	0.30	43.57	0.90

TOTAL DEG. DAYS (0) FOR APR/84 = 13.92

ARNOLDS COVE NFD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
29C	9.0	47.75	54.00	JAN 31, 1984 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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122	0.30	43.87	0.90
123	0.63	44.50	0.90
124	1.05	45.55	0.90
125	1.80	47.35	0.90
126	1.80	49.15	0.90
127	1.80	50.95	0.90
128	1.38	52.33	0.90
129	0.80	53.13	0.90
130	0.80	53.93	0.90
131	1.38	55.32	0.90
132	1.80	57.12	0.90
133	2.30	59.42	0.90
134	2.30	61.72	0.90
135	2.38	64.10	0.90
136	2.88	66.98	0.90
137	3.88	70.87	0.95
138	3.97	74.83	1.05
139	3.80	78.63	1.05
140	3.80	82.43	1.05
141	3.80	86.23	1.05
142	3.80	90.03	1.05
143	3.22	93.25	1.05
144	1.97	95.22	1.05
145	2.63	97.85	1.05
146	2.80	100.65	1.05
147	3.22	103.87	1.05
148	4.63	108.50	1.75
149	5.05	113.55	2.80
150	5.13	118.63	3.93
151	5.30	123.98	5.23
152	5.38	129.37	6.62

TOTAL DEG. DAYS (0) FOR MAY/84 = 85.80

153	6.80	136.17	9.42
154	7.13	143.30	12.55
155	7.13	150.43	15.68
156	5.55	155.98	17.23
157	4.80	160.78	18.03
158	4.97	165.75	19.00
159	5.47	171.22	20.47
160	4.88	176.10	21.35
161	4.80	180.90	22.15
162	4.80	185.70	22.95
163	3.38	189.08	23.35
164	3.97	193.05	23.97
165	5.80	198.95	25.77
166	5.00	204.65	27.57
167	6.13	210.78	29.70
168	4.47	215.25	30.85

ARNOLDS COVE NFLD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
29C 9.0 47.75 54.00 JAN 31, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

169	2.22	217.47	30.85
170	5.38	222.85	32.23
171	6.13	228.98	34.37
172	6.80	235.78	37.17
173	6.80	242.58	39.97
174	6.55	249.13	42.52
175	5.22	254.35	43.73
176	3.80	258.15	43.83
177	3.38	261.53	43.97
178	6.55	268.08	46.52
179	7.30	275.38	49.82
180	7.47	282.85	53.23
181	7.80	290.65	57.08
182	7.80	298.45	60.88

TOTAL DEG. DAYS (0) FOR JUNE/84 = 169.08

183	8.13	306.58	65.02
184	8.30	314.88	69.32
185	8.30	323.18	73.62
186	8.80	331.98	78.42
187	9.13	341.12	83.55
188	9.30	350.42	88.85
189	9.30	359.72	94.15
190	9.80	369.52	99.95
191	10.22	379.73	106.17
192	10.80	390.53	112.97
193	10.80	401.33	119.77
194	10.80	412.13	126.57
195	11.88	424.02	134.45
196	12.47	436.48	142.92
197	12.72	449.20	151.63
198	12.38	461.58	160.02
199	12.63	474.22	168.65
200	12.80	487.02	177.45
201	12.80	499.82	186.25
202	12.80	512.62	195.05
203	13.38	526.00	204.43
204	13.80	539.80	214.23
205	13.80	553.60	224.03
206	14.13	567.73	234.17
207	14.30	582.03	244.47

ESTIMATED DEG. DAYS (0) FOR JULY/84 = 351.64

ARNOLDS COVE NFLO

STATION DEPTH LATITUDE LONGITUDE START
 290 9.0 47.75 54.00 JULY 25, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

207	15.80	15.80	11.80
208	15.30	31.10	23.10
209	15.30	46.40	34.40
210	15.47	61.87	45.87
211	14.38	76.25	56.25
212	14.47	90.72	66.72
213	16.30	107.02	79.02
214	16.30	123.32	91.32
215	16.30	139.62	103.62
216	16.30	155.92	115.92
217	16.30	172.22	128.22
218	16.30	188.52	140.52
219	17.40	205.92	153.92
220	17.40	223.32	167.32
221	17.40	240.72	180.72
222	17.13	257.85	193.85
223	12.57	270.42	202.42
224	14.08	284.50	212.50
225	16.40	300.90	224.90
226	16.90	317.80	237.80
227	17.15	334.95	250.95
228	14.82	349.77	261.77
229	14.52	364.28	272.28
230	17.22	381.50	285.50
231	17.40	398.90	298.90
232	17.23	416.13	312.13
233	16.90	433.03	325.03
234	17.23	450.27	338.27
235	17.40	467.67	351.67
236	17.40	485.07	365.07
237	17.40	502.47	378.47
238	17.40	519.87	391.87
239	8.67	528.53	396.53
240	9.95	538.48	402.48
241	15.38	553.87	413.87
242	15.80	569.67	425.67
243	16.30	585.97	437.97
244	15.30	602.27	450.27

TOTAL DEG. DAYS (0) FOR AUG/84 = 495.25

245	16.30	618.57	462.57
246	16.30	634.87	474.87
247	15.97	650.83	486.83
248	13.23	664.07	496.07
249	15.30	679.37	507.37
250	15.30	694.67	518.67
251	15.30	709.97	529.97
252	14.18	724.15	540.15
253	9.27	733.42	545.42

ARNOLDS COVE NFLD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
290	9.0	47.75	54.00	JULY 25, 1984 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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254	12.22	745.63	553.63
255	14.88	760.52	564.52
256	15.30	775.82	575.82
257	13.75	789.57	585.57
258	9.60	799.17	591.17
259	13.20	812.37	600.37
260	13.20	825.57	609.57
261	13.20	838.77	618.77
262	13.20	851.97	627.97
263	13.20	865.17	637.17
264	13.20	878.37	646.37
265	13.20	891.57	655.57
266	13.20	904.77	664.77
267	12.87	917.63	673.63
268	12.70	930.33	682.33
269	12.70	943.03	691.03
270	12.70	955.73	699.73
271	12.70	968.43	708.43
272	12.62	981.05	717.05
273	12.20	993.25	725.25
274	12.20	1005.45	733.45

TOTAL DEG. DAYS (0) FOR SEPT/84 = 403.18

275	12.20	1017.65	741.65
276	12.20	1029.85	749.85
277	12.20	1042.05	758.05
278	12.20	1054.25	766.25
279	12.28	1066.53	774.53
280	11.95	1078.48	782.48
281	11.20	1089.68	789.68
282	11.20	1100.88	796.88
283	11.20	1112.08	804.08
284	11.20	1123.28	811.28
285	10.95	1134.23	818.23
286	10.50	1144.73	824.73
287	8.32	1153.05	829.05
288	5.92	1158.97	830.97
289	8.18	1167.15	835.15
290	8.93	1176.08	840.08
291	7.40	1183.48	843.48
292	4.67	1188.15	844.15
293	4.65	1192.80	844.82
294	4.83	1199.63	847.65
295	7.75	1207.38	851.40
296	7.85	1215.23	855.25
297	7.60	1222.83	858.85
298	7.60	1230.43	862.45
299	7.60	1238.03	866.05
300	7.50	1245.53	869.55

ARNOLDS COVE WFLD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
220	9.0	47.75	54.00	JULY 25, 1984 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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301	7.00	1252.53	872.55
302	7.00	1259.53	875.55
303	7.00	1266.53	878.55
304	7.00	1273.53	881.55

ESTTMATED DEG. DAYS (0) FOR OCT/84 = 277.02

ARNOLDS COVE NFLD

STATION DEPTH LATITUDE LONGITUDE START
 29E 9.0 47.75 54.00 JULY 25, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

207	14.20	14.20	10.20
208	14.20	28.40	20.40
209	14.37	42.77	30.77
210	14.23	57.00	41.00
211	13.10	70.10	50.10
212	13.45	83.55	59.55
213	15.20	98.75	70.75
214	15.20	113.95	81.95
215	14.78	128.73	92.73
216	14.70	143.43	103.43
217	15.20	158.63	114.63
218	15.37	174.00	126.00
219	16.20	190.20	138.20
220	16.20	206.40	150.40
221	16.20	222.60	162.60
222	15.62	238.22	174.22
223	10.02	248.23	180.23
224	13.32	261.55	189.55
225	14.78	276.33	200.33
226	14.53	290.87	210.87
227	14.87	305.73	221.73
228	12.97	318.70	230.70
229	13.55	332.25	240.25
230	16.20	348.45	252.45
231	15.87	364.32	264.32
232	15.70	380.02	276.02
233	15.70	395.72	287.72
234	15.70	411.42	299.42
235	15.70	427.12	311.12
236	15.78	442.90	322.90
237	16.20	459.10	335.10
238	15.08	474.18	346.18
239	7.27	481.45	349.45
240	9.70	491.15	355.15
241	14.28	505.43	365.43
242	14.78	520.27	376.22
243	15.20	535.42	387.42
244	15.20	550.62	398.62

TOTAL DEG. DAYS (0) FOR AUG/84 = 451.87

245	15.20	565.82	409.82
246	15.20	581.02	421.02
247	13.92	594.93	430.93
248	12.02	606.95	438.95
249	14.20	621.15	449.15
250	14.20	635.35	459.35
251	14.20	649.55	469.55
252	12.02	661.57	477.57
253	8.00	669.57	481.57

ARNOLDS COVE NFLD ... CONTINUED

STATION. DEPTH LATITUDE LONGITUDE START
29E 9.0 47.75 54.00 JULY 25, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

254	12.17	681.73	489.73
255	13.80	695.53	499.53
256	14.20	709.73	509.73
257	11.43	721.17	517.17
258	10.12	731.28	523.28
259	12.10	743.38	531.38
260	12.10	755.48	539.48
261	12.10	767.58	547.58
262	12.10	779.68	555.68
263	12.10	791.78	563.78
264	12.10	803.88	571.88
265	12.10	815.98	579.98
266	12.10	828.08	588.08
267	11.77	839.85	595.85
268	11.60	851.45	603.45
269	11.60	863.05	611.05
270	11.77	874.82	618.82
271	12.10	886.92	626.92
272	11.77	898.68	634.68
273	11.18	909.87	641.87
274	11.10	920.97	648.97

TOTAL DEG. DAYS (0) FOR SEPT/84 = 370.35

275	11.10	932.07	656.07
276	11.10	943.17	663.17
277	11.10	954.27	670.27
278	11.10	965.37	677.37
279	11.10	976.47	684.47
280	10.17	986.63	690.53
281	10.00	996.63	696.63
282	10.00	1006.63	702.63
283	10.00	1016.63	708.63
284	10.00	1026.63	714.63
285	9.67	1036.30	720.30
286	9.17	1045.47	725.47
287	6.25	1051.72	727.72
288	5.55	1057.27	729.27
289	7.45	1064.72	732.72
290	7.80	1072.52	736.52
291	5.90	1078.42	738.42
292	3.38	1081.80	738.42
293	4.60	1086.40	739.12
294	0.82	1093.22	741.93
295	6.90	1100.12	744.83
296	6.90	1107.02	747.73
297	6.90	1113.92	750.63
298	6.90	1120.82	753.53
299	6.90	1127.72	756.43
300	6.90	1134.62	759.33

ARNOLDS COVE NFLD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
29E	9.0	47.75	54.00	JULY 25, 1984 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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301	6.90	1141.52	762.23
302	6.48	1148.00	764.72
303	6.40	1154.40	767.12
304	6.40	1160.80	769.52
305	6.40	1167.20	771.92

TOTAL DEG. DAYS (0) FOR OCT/84 = 246.23

306	6.40	1173.60	774.32
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GARDEN COVE NFD

STATION DEPTH LATITUDE LONGITUDE START
30A 10.0 47.84 54.16 OCT 13, 1983 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
286	11.20	11.20	7.20
287	11.20	22.40	14.40
288	11.20	33.60	21.60
289	11.20	44.80	28.80
290	11.20	56.00	36.00
291	11.20	67.20	43.20
292	10.78	77.98	49.98
293	10.70	88.68	56.68
294	10.70	99.38	63.38
295	10.28	109.67	69.67
296	8.03	117.70	73.70
297	6.20	123.90	75.95
298	5.12	129.02	77.12
299	6.87	135.88	79.98
300	7.70	143.58	83.68
301	7.70	151.28	87.38
302	7.70	158.98	91.08
303	7.70	166.68	94.78

ESTIMATED DEG. DAYS (0) FOR OCT/83 = 287.07

GARDEN COVE NFLD

STATION 30R DEPTH 10.0 LATITUDE 47.84 LONGITUDE 54.16 START APR 2, 1984 20:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

93	1.50	1.50	0.00
94	1.50	3.00	0.00
95	1.50	4.50	0.00
96	1.58	6.08	0.00
97	2.00	8.08	0.00
98	2.00	10.08	0.00
99	2.00	12.08	0.00
100	2.00	14.08	0.00
101	2.00	16.08	0.00
102	2.00	18.08	0.00
103	2.00	20.08	0.00
104	1.67	21.75	0.00
105	1.50	23.25	0.00
106	1.50	24.75	0.00
107	1.50	26.25	0.00
108	1.50	27.75	0.00
109	1.50	29.25	0.00
110	1.50	30.75	0.00
111	1.50	32.25	0.00
112	1.50	33.75	0.00
113	1.50	35.25	0.00
114	1.50	36.75	0.00
115	1.67	38.42	0.00
116	2.00	40.42	0.00
117	2.00	42.42	0.00
118	2.00	44.42	0.00
119	2.00	46.42	0.00
120	2.00	48.42	0.00
121	2.00	50.42	0.00

ESTIMATED DEG. DAYS (0) FOR APR/84 = 52.16

122	2.00	52.42	0.00
123	2.00	54.42	0.00
124	2.33	56.75	0.00
125	2.08	58.83	0.00
126	2.50	61.33	0.00
127	2.33	63.67	0.00
128	2.00	65.67	0.00
129	1.58	67.25	0.00
130	2.50	69.75	0.00
131	2.50	72.25	0.00
132	2.50	74.75	0.00
133	3.00	77.75	0.00
134	2.75	80.50	0.00
135	2.83	83.33	0.00
136	4.00	87.33	0.33
137	4.50	91.83	0.83
138	4.50	96.33	1.33
139	4.50	100.83	1.83

GARDEN COVE FIELD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
 30R 10.0 47.84 54.16 APR 2, 1984 20:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

140	4.50	105.33	2.33
141	4.50	109.83	2.83
142	4.50	114.33	3.33
143	4.25	118.58	3.58
144	4.50	123.08	4.08
145	4.50	127.58	4.58
146	4.50	132.08	5.08
147	4.83	136.92	5.92
148	5.50	142.42	7.42
149	5.50	147.92	8.92
150	5.50	153.42	10.42
151	6.17	159.58	12.58
152	6.95	166.53	15.53

TOTAL DEG. DAYS (0) FOR MAY/84 = 116.12

153	7.43	173.97	18.97
154	7.60	181.57	22.57
155	7.18	188.75	25.75
156	5.25	194.00	27.00
157	5.17	199.17	28.17
158	5.83	205.00	30.00
159	6.00	211.00	32.00
160	5.92	216.92	33.92
161	6.17	223.08	36.08
162	5.00	228.08	37.08
163	5.67	233.75	38.75
164	5.33	240.08	41.08
165	6.50	246.58	43.58
166	7.00	253.58	46.58
167	6.30	259.88	48.88
168	5.00	264.88	50.13
169	6.60	271.48	52.73
170	6.85	278.33	55.58
171	7.60	285.93	59.18
172	7.60	293.53	62.78
173	7.60	301.13	66.38
174	6.68	307.82	69.07
175	6.50	314.32	71.57
176	7.27	321.58	74.83
177	7.68	329.27	78.52
178	8.52	337.78	83.03
179	8.60	346.38	87.63
180	8.52	354.90	92.15
181	8.60	363.50	96.75
182	8.60	372.10	101.35

TOTAL DEG. DAYS (0) FOR JUNE/84 = 205.57

183	8.60	380.70	105.95
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GARDEN COVE NFLD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
 308 10.0 47.84 54.16 APR 2, 1984 20:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

184	8.77	389.47	110.72
185	9.93	399.40	116.65
186	10.27	409.67	122.92
187	10.60	420.27	129.52
188	10.60	430.87	136.12
189	10.60	441.47	142.72
190	10.60	452.07	149.32
191	11.85	463.92	157.17
192	11.60	475.52	164.77
193	11.60	487.12	172.37
194	11.43	498.55	179.80
195	11.93	510.48	187.73
196	12.93	523.42	196.67
197	12.68	536.10	205.35
198	13.43	549.53	214.78
199	13.60	563.13	224.38
200	13.77	576.90	234.15
201	13.60	590.50	243.75
202	14.60	605.10	254.35
203	15.10	620.20	265.45
204	14.93	635.13	276.38
205	15.10	650.23	287.48
206	15.60	665.83	299.08
207	15.10	680.93	310.18
208	15.77	696.20	321.45
209	15.35	711.55	332.80
210	15.10	726.65	343.90
211	14.52	741.17	354.42
212	15.52	756.68	365.93
213	16.68	773.37	378.62

TOTAL DEG. DAYS (0) FOR JULY/84 = 401.27

214	16.68	790.05	391.30
215	16.27	806.32	403.57
216	16.52	822.83	416.08
217	16.93	839.77	429.02
218	16.77	856.53	441.78
219	17.60	874.13	455.38
220	18.10	892.23	469.48
221	18.10	910.33	483.58
222	16.93	927.27	496.52
223	17.02	944.28	509.53
224	17.43	961.72	522.97
225	16.68	978.40	535.65
226	16.18	994.58	547.83
227	16.52	1011.10	560.35
228	16.77	1027.87	573.12
229	17.52	1045.38	586.53
230	17.77	1063.15	600.40

GARDEN COVE NFLO ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
30R 10.0 47.84 54.16 APR 2, 1984 20:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

231	17.77	1080.92	614.17
232	17.60	1098.52	627.77
233	17.60	1116.12	641.37
234	17.52	1133.63	654.88
235	17.52	1151.15	668.40
236	17.60	1168.75	682.00
237	17.60	1186.35	695.60
238	13.52	1199.87	705.12
239	14.10	1213.97	715.22
240	16.43	1230.40	727.65
241	16.60	1247.00	740.25
242	16.60	1263.60	752.85
243	16.60	1280.20	765.45

ESTIMATED DEG. DAYS (0) FOR AUG/84 = 523.73

GARDEN COVE NFD

STATION	DEPTH	LATITUDE	LONGITUDE	START
30C	10.0	47.84	54.16	APR 3, 1984 04:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
94	0.40	0.40	0.00
95	0.40	0.80	0.00
96	0.50	1.30	0.00
97	0.80	2.10	0.00
98	0.90	3.00	0.00
99	1.00	4.00	0.00
100	1.00	5.00	0.00
101	1.00	6.00	0.00
102	0.60	6.60	0.00
103	0.40	7.00	0.00
104	0.40	7.40	0.00
105	0.40	7.80	0.00
106	0.78	8.58	0.00
107	0.87	9.45	0.00
108	1.33	10.78	0.00
109	1.50	12.28	0.00
110	0.40	12.68	0.00
111	0.60	13.28	0.00
112	1.05	14.33	0.00
113	1.13	15.47	0.00
114	1.42	16.88	0.00
115	1.50	18.38	0.00
116	1.92	20.30	0.00
117	1.50	21.80	0.00
118	2.33	24.13	0.00
119	3.68	27.82	0.20
120	3.60	31.42	0.20
121	3.60	35.02	0.20

ESTIMATED DEG. DAYS (0) FOR APR/84 = 37.52

122	3.60	38.62	0.20
123	3.60	42.22	0.20
124	3.60	45.82	0.20
125	3.52	49.33	0.20
126	3.60	52.93	0.20
127	3.60	56.53	0.20
128	3.60	60.13	0.20
129	3.60	63.73	0.20
130	4.83	68.57	1.03
131	4.70	73.27	1.73
132	5.12	78.38	2.35
133	5.20	83.58	4.05
134	5.62	89.20	5.67
135	6.83	96.03	8.50
136	6.60	102.63	11.10
137	6.20	108.93	13.30
138	5.18	114.02	14.55
139	4.32	118.33	15.00
140	4.50	122.83	15.57

GARDEN COVE NFED ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
300 10.0 47.84 54.16 APR 3, 1984 04:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

141	5.20	128.03	16.77
142	5.45	133.48	18.22
143	5.37	138.85	19.58
144	4.68	143.53	20.33
145	4.15	147.68	20.68
146	5.62	153.30	22.30
147	5.70	159.00	24.00
148	6.25	165.25	26.25
149	6.52	171.77	28.77
150	4.50	176.27	29.40
151	5.35	181.62	30.82
152	5.70	187.32	32.52

TOTAL DEG. DAYS (0) FOR MAY/84 = 152.30

153	6.60	193.92	35.12
154	6.80	200.72	37.92
155	6.70	207.42	40.62
156	6.43	213.85	43.05
157	5.70	219.55	44.75
158	5.70	225.25	46.45
159	6.67	231.92	49.12
160	7.32	239.23	52.43
161	7.38	246.62	55.82
162	7.47	254.08	59.28
163	7.80	261.88	63.08
164	7.80	269.68	66.88
165	7.80	277.48	70.68
166	7.80	285.28	74.48
167	8.53	293.82	79.02
168	9.23	303.05	84.25
169	9.57	312.62	89.82
170	9.90	322.52	95.72
171	9.90	332.42	101.62
172	10.08	342.50	107.70
173	10.82	353.32	114.52
174	11.33	364.65	121.85
175	11.33	375.98	129.18
176	11.07	387.05	136.25
177	10.88	397.93	143.13
178	12.02	409.95	151.15
179	12.18	422.13	159.33
180	12.65	434.78	167.98
181	13.10	447.88	177.08
182	13.43	461.32	186.52

TOTAL DEG. DAYS (0) FOR JUNE/84 = 274.00

183	13.27	474.58	195.78
184	13.68	488.27	205.47

GARDEN COVE NFLD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
 300 10.0 47.84 54.16 APR 3, 1984 04:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

185	14.50	502.77	215.97
186	14.50	517.27	226.47
187	14.10	531.37	236.57
188	14.70	546.07	247.27
189	14.83	560.90	258.10
190	14.65	575.55	268.75
191	15.03	590.58	279.78
192	14.48	605.07	290.27
193	14.22	619.28	300.48
194	14.75	634.03	311.23
195	16.12	650.15	323.35
196	16.63	666.78	335.98
197	16.10	682.88	348.08
198	16.12	699.00	360.20
199	16.35	715.35	372.55
200	16.55	731.90	385.10
201	16.97	748.87	398.07
202	17.57	766.43	411.63
203	17.83	784.27	425.47
204	17.32	801.58	438.78
205	16.63	818.22	451.42
206	16.97	835.18	464.38
207	16.20	851.38	476.58
208	15.75	867.13	488.33
209	15.92	883.05	500.25
210	16.28	899.33	512.53
211	16.62	915.95	525.15
212	16.97	932.92	538.12
213	17.38	950.30	551.50

TOTAL DEG. DAYS (0) FOR JULY/84 = 488.98

214	17.30	967.60	564.80
215	17.30	984.90	578.10
216	17.30	1002.20	591.40
217	16.72	1018.92	604.12
218	17.05	1035.97	617.17
219	17.30	1053.27	630.47
220	15.38	1068.65	641.85
221	12.47	1081.12	650.32
222	15.57	1096.68	661.88
223	16.30	1112.98	674.18
224	16.30	1129.28	686.48
225	16.30	1145.58	698.78
226	16.30	1161.88	711.08

ESTIMATED DEG. DAYS (0) FOR AUG/84 = 504.54

CORBIN FIELD

STATION 31 DEPTH 9.0 LATITUDE 46.96 LONGITUDE 55.25 START JUNE 18, 1984 20:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
170	5.40	5.40	1.40
171	5.40	10.80	2.80
172	5.40	16.20	4.20
173	5.00	21.20	5.20
174	5.10	26.30	6.30
175	5.40	31.70	7.70
176	5.40	37.10	9.10
177	5.40	42.50	10.50
178	5.40	47.90	11.90
179	5.82	53.72	13.72
180	5.98	59.70	15.70
181	6.40	66.10	18.10
182	6.67	72.77	20.77

ESTIMATED DEG. DAYS (0) FOR JUNE/84 = 167.92

183	7.50	80.27	24.27
184	7.83	88.10	28.10
185	8.58	96.68	32.68
186	9.00	105.68	37.68
187	8.42	114.10	42.10
188	6.77	120.87	44.87
189	5.27	126.13	46.13
190	6.15	132.28	48.28
191	7.12	139.40	51.40
192	8.42	147.82	55.82
193	8.67	156.48	60.48
194	9.42	165.90	65.90
195	9.50	175.40	71.40
196	9.08	184.48	76.48
197	8.17	192.65	80.65
198	7.58	200.23	84.23
199	8.25	208.48	88.48
200	7.83	216.32	92.32
201	7.50	223.82	95.82
202	7.50	231.32	99.32
203	7.50	238.82	102.82
204	7.67	246.48	106.48
205	8.00	254.48	110.48
206	8.25	262.73	114.73
207	7.03	269.77	117.77
208	6.65	276.42	120.42
209	7.10	283.52	123.52
210	7.50	291.02	127.02
211	8.00	299.02	131.02
212	9.02	308.03	136.03
213	10.43	318.47	142.47

TOTAL DEG. DAYS (0) FOR JULY/84 = 245.70

CORBIN NFD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
 31 9.0 46.96 55.25 JUNE 18, 1984 20:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

214	10.85	329.32	149.32
215	9.70	339.02	155.02
216	9.60	348.82	160.82
217	10.35	359.17	167.17
218	10.60	369.77	173.77
219	11.18	380.95	180.95
220	11.60	392.55	188.55
221	11.80	404.35	196.35
222	12.37	416.72	204.72
223	12.87	429.58	213.58
224	13.90	443.48	223.48
225	14.80	458.28	234.28
226	14.80	473.08	245.08
227	14.80	487.88	255.88
228	14.80	502.68	266.68
229	14.80	517.48	277.48
230	14.80	532.28	288.28
231	14.80	547.08	299.08
232	14.80	561.88	309.88
233	14.80	576.68	320.68
234	14.80	591.48	331.48
235	14.80	606.28	342.28
236	14.80	621.08	353.08
237	14.80	635.88	363.88
238	14.80	650.68	374.68
239	15.13	665.82	385.82
240	16.62	682.43	398.43
241	16.45	698.88	410.88
242	15.05	713.93	421.93
243	14.63	728.57	432.57
244	15.30	743.87	443.87

TOTAL DEG. DAYS (0) FOR AUG/84 = 425.40

245	15.80	759.67	455.67
246	15.80	775.47	467.47
247	15.80	791.27	479.27
248	15.80	807.07	491.07
249	15.80	822.87	502.87
250	15.80	838.67	514.67
251	15.80	854.47	526.47
252	15.80	870.27	538.27
253	15.80	886.07	550.07
254	15.63	901.70	561.70
255	15.38	917.08	573.08
256	14.80	931.88	583.88
257	14.30	946.18	594.18
258	14.30	960.48	604.48
259	14.30	974.78	614.78
260	13.42	988.20	624.20

CORBIN WELD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
31 9.0 46.96 55.25 JUNE 18, 1984 20:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

261	10.60	998.80	630.80
262	10.60	1009.40	637.40
263	10.85	1020.25	644.25
264	11.10	1031.35	651.35
265	11.10	1042.45	658.45
266	11.10	1053.55	665.55
267	10.48	1064.03	672.03
268	9.88	1073.92	677.92
269	8.83	1082.75	682.75
270	9.80	1092.55	688.55
271	7.92	1100.47	692.47
272	6.90	1107.37	695.37
273	6.90	1114.27	698.27
274	6.90	1121.17	701.17

TOTAL DEG. DAYS (0) FOR SEPT/84 = 377.30

275	6.90	1128.07	704.07
276	7.00	1135.07	707.07
277	7.50	1142.57	710.57
278	7.50	1150.07	714.07
279	7.50	1157.57	717.57
280	5.18	1162.75	718.82
281	3.05	1165.80	718.82
282	4.59	1170.38	719.52
283	5.40	1175.78	720.92
284	6.23	1182.02	723.15
285	7.02	1189.03	726.17
286	8.83	1197.87	731.00
287	9.00	1206.87	736.00
288	9.00	1215.87	741.00
289	9.00	1224.87	746.00
290	9.00	1233.87	751.00
291	8.50	1242.37	755.50

ESTIMATED DEG. DAYS (0) FOR OCT/84 = 221.01

HEADWATER POND NFD

STATION	DEPTH	LATITUDE	LONGITUDE	START
32	0.5	48.28	55.49	MAY 15, 1984 15:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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136	11.70	11.70	7.70
137	11.20	22.90	14.90
138	10.67	33.57	21.57
139	10.75	44.32	28.32
140	10.20	54.52	34.52
141	10.70	65.22	41.22
142	9.85	75.07	47.07
143	9.60	84.67	52.67
144	9.03	93.70	57.70
145	11.03	104.73	64.73
146	11.28	116.02	72.02
147	11.70	127.72	79.72
148	12.70	140.42	88.42
149	13.45	153.87	97.87
150	13.95	167.82	107.82
151	14.28	182.10	118.10
152	13.45	195.55	127.55

ESTIMATED DEG. DAYS (0) FOR MAY/84 = 356.59

SPRUCE POND NFLO

STATION DEPTH LATITUDE LONGITUDE START
 33 1.2 48.32 55.47 MAY 15, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

136	6.50	6.50	2.50
137	8.58	15.08	7.08
138	10.58	25.67	13.57
139	10.08	35.75	19.75
140	9.50	45.25	25.25
141	9.50	54.75	30.75
142	9.50	64.25	36.25
143	8.75	73.00	41.00
144	8.42	81.42	45.42
145	9.92	91.33	51.33
146	10.83	102.17	58.17
147	11.67	113.83	65.83
148	12.33	126.17	74.17
149	13.00	139.17	83.17
150	13.25	152.42	92.42
151	13.58	166.00	102.00
152	13.08	179.08	111.08

ESTIMATED DEG. DAYS (0) FOR MAY/84 = 326.56

153	13.50	192.58	120.58
154	13.50	206.08	130.08
155	12.00	218.08	138.08
156	9.00	227.08	143.08
157	6.83	233.92	145.92
158	6.50	240.42	148.42
159	6.50	246.92	150.92
160	6.50	253.42	153.42
161	6.50	259.92	155.92
162	6.92	266.83	158.83
163	8.33	275.17	163.17
164	9.92	285.08	169.08
165	11.00	296.08	176.08
166	11.67	307.75	183.75
167	13.33	321.08	193.08
168	10.83	331.92	199.92
169	10.50	342.42	206.42
170	11.83	354.25	214.25
171	12.83	367.08	223.08
172	13.50	380.58	232.58
173	14.25	394.83	242.83
174	14.08	408.92	252.92
175	11.83	420.75	260.75
176	11.25	432.00	268.00
177	11.92	443.92	275.92
178	13.75	457.67	285.67
179	13.83	471.50	295.50
180	11.67	483.17	303.17
181	8.58	491.75	307.75
182	11.33	503.08	315.08

TOTAL DEG. DAYS (0) FOR JUNE/84 = 324.00

SPRUCE POND NFDL ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
33 1.2 48.32 55.47 MAY 15, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

183	16.92	520.00	328.00
184	17.33	537.33	341.33
185	15.92	553.25	353.25
186	15.25	568.50	364.50
187	15.67	584.17	376.17
188	16.58	600.75	388.75
189	17.00	617.75	401.75
190	19.17	636.92	416.92
191	20.67	657.58	433.58
192	20.83	678.42	450.42
193	20.58	699.00	467.00
194	20.33	719.33	483.33
195	19.33	738.67	498.67
196	19.25	757.92	513.92
197	19.42	777.33	529.33
198	17.83	795.17	543.17
199	16.92	812.08	556.08
200	17.33	829.42	569.42
201	18.50	847.92	583.92
202	18.58	866.50	598.50
203	19.17	885.67	613.67
204	18.75	904.42	628.42
205	17.75	922.17	642.17
206	17.58	939.75	655.75
207	16.83	956.58	668.58
208	16.92	973.50	681.50
209	17.17	990.67	694.67
210	17.50	1008.17	708.17
211	17.50	1025.67	721.67
212	17.50	1043.17	735.17
213	18.17	1061.33	749.33

TOTAL DEG. DAYS (0) FOR JULY/84 = 558.25

214	17.83	1079.17	763.17
215	17.25	1096.42	776.42
216	17.08	1113.50	789.50
217	17.92	1131.42	803.42
218	18.83	1150.25	818.25
219	20.17	1170.42	834.42
220	20.08	1190.50	850.50
221	20.50	1211.00	867.00
222	19.75	1230.75	882.75
223	18.83	1249.58	897.58
224	18.92	1268.50	912.50
225	18.42	1286.92	926.92
226	17.75	1304.67	940.67
227	19.00	1323.67	955.67
228	20.00	1343.67	971.67
229	19.67	1363.33	987.33

SPRUCE POND NFLD ... CONTINUED

STATION DEPTH LATITUDE LONGITUDE START
 33 1.2 48.32 55.47 MAY 15, 1984 16:00 GMT

DAY NUMBER MEAN TEMP. DEG. DAY (0) DEG. DAY (4)

230	19.50	1382.83	1002.33
231	19.50	1402.33	1018.33
232	18.67	1421.00	1033.00
233	18.67	1439.67	1047.67
234	18.58	1458.25	1062.25
235	16.92	1475.17	1075.17
236	16.83	1492.00	1088.00
237	16.83	1508.83	1100.83
238	14.42	1523.25	1111.25
239	13.25	1536.50	1120.50
240	14.00	1550.50	1130.50
241	15.17	1565.67	1141.67
242	16.50	1582.17	1154.17
243	17.50	1599.67	1167.67
244	17.08	1616.75	1180.75

TOTAL DEG. DAYS (0) FOR AUG/84 = 555.42

245	17.67	1634.42	1194.42
246	17.08	1651.50	1207.50
247	14.67	1666.17	1218.17
248	13.58	1679.75	1227.75
249	13.83	1693.58	1237.58
250	14.50	1708.08	1248.08
251	14.50	1722.58	1258.58
252	14.25	1736.83	1268.83
253	13.58	1750.42	1278.42
254	14.00	1764.42	1288.42
255	14.83	1779.25	1299.25
256	15.00	1794.25	1310.25
257	13.09	1807.33	1319.33
258	11.00	1818.33	1326.33
259	10.50	1828.83	1332.83
260	10.50	1839.33	1339.33
261	10.17	1849.50	1345.50
262	9.92	1859.42	1351.42
263	10.33	1869.75	1357.75
264	10.58	1880.33	1364.33
265	10.50	1890.83	1370.83
266	10.17	1901.00	1377.00
267	9.08	1910.08	1382.08
268	9.08	1919.17	1387.17
269	9.67	1928.83	1392.83
270	10.00	1938.83	1398.83

ESTIMATED DEG. DAYS (0) FOR SEPT/84 = 371.63

SALMON BROCK GLENWOOD NFLO

STATION	DEPTH	LATITUDE	LONGITUDE	START
34	1.0	49.00	54.90	JUNE 25, 1984 15:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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177	15.50	15.50	11.50
178	15.67	31.17	23.17
179	15.50	46.67	34.67
180	14.50	61.17	45.17
181	15.08	76.25	56.25
182	15.75	92.00	68.00
183	17.17	109.17	81.17
184	16.50	125.67	93.67
185	14.75	140.42	104.42
186	16.00	156.42	116.42
187	17.42	173.83	129.83
188	18.50	192.33	144.33
189	19.33	211.67	159.67
190	20.42	232.08	176.08
191	21.58	253.67	193.67
192	21.67	275.33	211.33
193	21.92	297.25	229.25
194	21.92	319.17	247.17
195	20.92	340.08	264.08
196	21.00	361.08	281.08
197	20.25	381.33	297.33
198	19.17	400.50	312.50
199	19.17	419.67	327.67
200	19.17	438.83	342.83
201	20.75	459.58	359.58
202	21.25	480.83	376.83
203	21.67	502.50	394.50
204	20.67	523.17	411.17
205	19.50	542.67	426.67
206	19.25	561.92	441.92
207	18.83	580.75	456.75
208	18.58	599.33	471.33
209	18.83	618.17	486.17
210	19.50	637.67	501.67
211	19.17	656.83	516.83
212	19.00	675.83	531.83
213	20.42	696.25	548.25

TOTAL . DEG. DAYS (0) FOR JULY/84 = 604.25

214	19.50	715.75	563.75
215	17.75	733.50	577.50
216	17.33	750.83	590.83
217	19.00	769.83	605.83
218	19.83	789.67	621.67
219	21.17	810.83	638.83
220	21.92	832.75	656.75
221	21.33	854.08	674.08
222	20.42	874.50	690.50
223	19.50	894.00	706.00

SALMON BROOK GLENWOOD NFD ... CONTINUED

STATION	DEPTH	LATITUDE	LONGITUDE	START
34	1.0	49.00	54.90	JUNE 25, 1984 16:00 GMT

DAY NUMBER	MEAN TEMP.	DEG. DAY (0)	DEG. DAY (4)
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224	19.83	913.83	721.83
225	18.33	932.17	736.17
226	17.67	949.83	749.83
227	19.50	969.33	765.33
228	20.33	989.67	781.67
229	20.75	1010.42	798.42
230	20.42	1030.83	814.83
231	19.92	1050.75	830.75
232	18.17	1068.92	844.92
233	18.33	1087.25	859.25
234	18.00	1105.25	873.25
235	17.08	1122.33	886.33
236	16.58	1138.92	898.92
237	16.33	1155.25	911.25
238	14.58	1169.83	921.83
239	13.42	1183.25	931.25
240	14.42	1197.67	941.67
241	15.33	1213.00	953.00
242	16.50	1229.50	965.50
243	18.00	1247.50	979.50
244	18.00	1265.50	993.50

TOTAL DEG. DAYS (0) FOR AUG/84 = 569.25

245	18.17	1283.67	1007.67
246	17.58	1301.25	1021.25
247	15.50	1316.75	1032.75
248	14.50	1331.25	1043.25
249	14.75	1346.00	1054.00
250	15.30	1361.30	1065.30