

**PROFILES OF OCEANOGRAPHIC DATA
IN THE SOUTH CHINA SEA DURING PRE MONSOON PERIOD
(4 JULY - 9 AUGUST 1996)**

AREA 2 : OFF SABAH, SARAWAK AND BRUNEI DARUSSALAM



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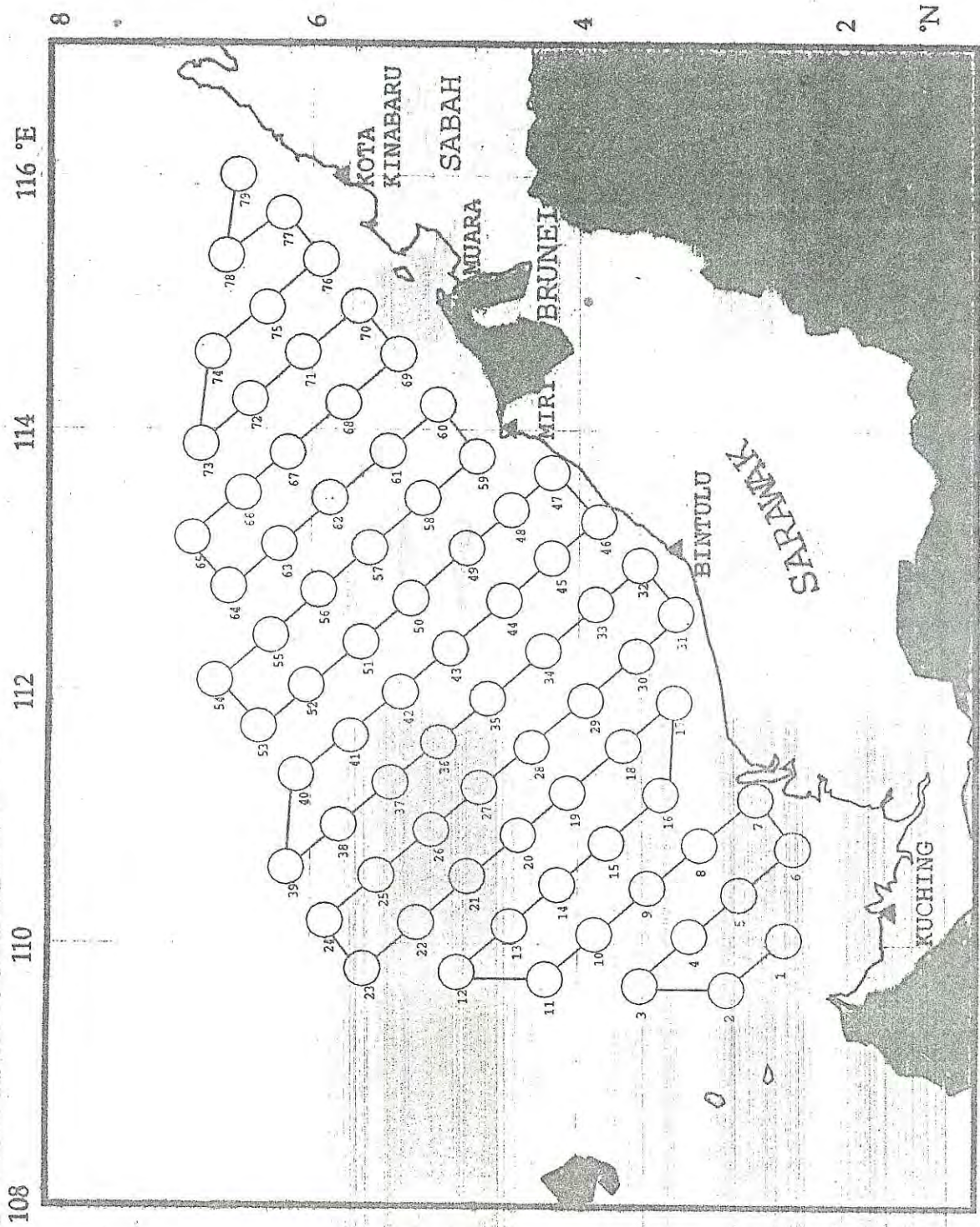
Southeast Asian Fisheries Development Center, Training Department
P.O.Box 97, Phrasamutchedi, Samut Prakan, Thailand 10290

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Call No... TD/RES/4

2-3

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Map of the survey area

Table 1. Partial details of sampling stations

Station	Date	Time	Latitude	Longitude	CTD Depth (m)	Sounding Depth (m)
1	1-May-97	6:35	02_19.76 N	110_01.28 E	33	37
2	1-May-97	11:00	02_42.27 N	109_40.54 E	51	55
3	1-May-97	16:50	03_26.91 N	109_44.29 E	78	81
4	1-May-97	21:10	03_20.60 N	110_04.04 E	63	66.7
5	2-May-97	6:31	02_39.70 N	110_22.74 E	74	77
6	2-May-97	10:36	02_15.79 N	110_42.71 E	38	41.4
7	2-May-97	14:40	02_38.76 N	111_05.27 E	30	33.8
8	2-May-97	19:10	02_59.86 N	110_49.91 E	38	41
9	3-May-97	6:32	03_22.52 N	110_26.26 E	62	65
10	3-May-97	11:01	03_46.10 N	110_05.84 E	84	87
11	3-May-97	15:27	04_08.69 N	109_45.33 E	97	101
12	3-May-97	20:55	04_51.02 N	109_48.44 E	115	118.5
13	4-May-97	6:25	04_27.30 N	110_09.04 E	111	114
14	4-May-97	10:37	04_03.85 N	110_29.60 E	83	91.4
15	4-May-97	14:45	03_40.91 N	110_48.40 E	63	66
16	4-May-97	19:13	03_18.76 N	111_08.78 E	63	66
17	5-May-97	6:22	03_16.85 N	111_51.73 E	26	29.5
18	5-May-97	10:44	03_39.48 N	111_31.48 E	45	48.1
19	5-May-97	14:50	04_01.60 N	111_11.94 E	68	71
20	5-May-97	19:05	04_26.14 N	110_51.46 E	87	90.7
21	6-May-97	6:20	04_47.24 N	110_31.67 E	115	118
22(1)	6-May-97	10:33	05_09.76 N	110_12.48 E	140	143
22(2)	6-May-97	11:05	05_09.59 N	110_12.50 E	140	
23	6-May-97	15:06	05_32.95 N	109_53.03 E	143	146
24	6-May-97	19:20	05_52.43 N	110_15.55 E	520	534
25	7-May-97	6:15	05_30.09 N	110_34.76 E	200	203
26	7-May-97	10:30	05_08.05 N	110_54.73 E	120	123.5
27	7-May-97	14:50	04_44.68 N	111_15.00 E	92	95
28	7-May-97	19:02	04_21.17 N	111_34.01 E	77	80

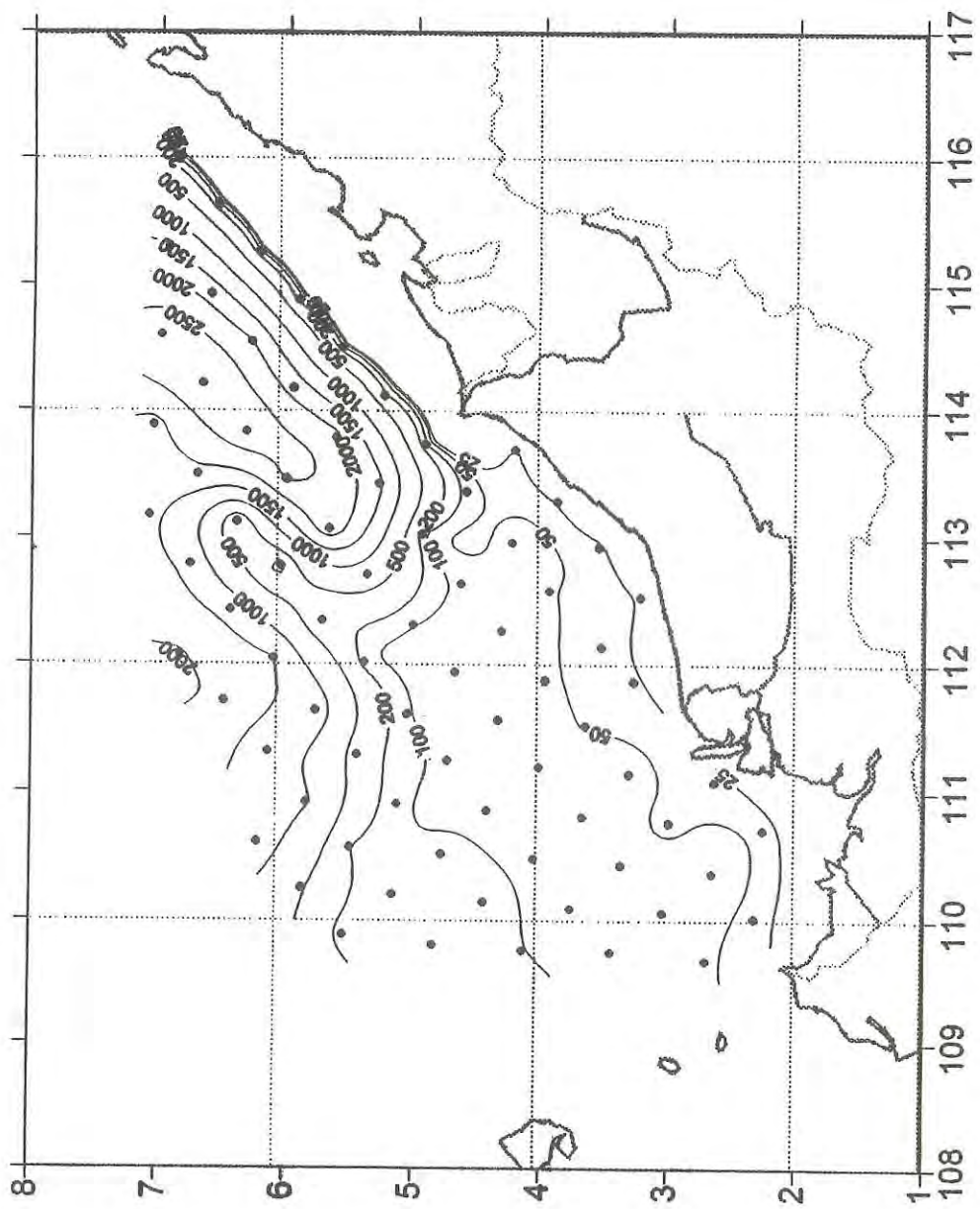
Table 1. (continued)

Station	Date	Time	Latitude	Longitude	CTD Depth (m)	Sounding Depth (m)
29	8-May-97	6:20	03_58.87 N	111_52.57 E	53	56
30	8-May-97	10:35	03_32.19 N	112_08.52 E	31	34
31	8-May-97	19:50	03_13.79 N	112_31.99 E	18	21
32	10-May-97	6:15	03_33.12 N	112_55.84 E	29	32
33	10-May-97	10:15	03_57.00 N	112_35.24 E	48	51
34	10-May-97	14:40	04_19.00 N	112_15.00 E	70	73.4
35	10-May-97	19:05	04_41.28 N	111_56.29 E	85	88
36	11-May-97	6:15	05_03.67 N	111_36.53 E	107	110
37	11-May-97	10:25	05_27.10 N	111_17.73 E	420	435
38	11-May-97	15:20	05_50.57 N	110_55.44 E	1010	1045
39	11-May-97	19:55	06_13.41 N	110_36.78 E	1100	1249
40	12-May-97	6:30	06_08.70 N	111_19.36 E	1000	1128
41	12-May-97	11:05	05_46.47 N	111_38.55 E	1100	1285
42	12-May-97	15:15	05_23.53 N	112_00.88 E	130	137
43	12-May-97	19:25	05_00.80 N	112_18.71 E	100	105
44	13-May-97	6:15	04_38.63 N	112_38.44 E	85	89
45	13-May-97	10:05	04_14.74 N	112_57.63 E	63	67.1
46	13-May-97	14:10	03_53.36 N	113_17.56 E	19	22.6
47	13-May-97	18:15	04_13.34 N	113_41.97 E	26	29.6
48	15-May-97	13:30	04_36.00 N	113_22.10 E	75	78
49	15-May-97	17:40	04_58.59 N	113_01.51 E	100	107
50	15-May-97	21:50	05_22.40 N	112_42.46 E	700	757
51	16-May-97	6:15	05_43.46 N	112_20.91 E	180	196
52	16-May-97	10:50	06_06.34 N	112_02.80 E	1460	1524
53	16-May-97	16:00	06_29.59 N	111_42.79 E	1850	1941
54	16-May-97	21:20	06_50.17 N	112_04.83 E	1930	2030
55	17-May-97	6:30	06_26.25 N	112_25.70 E	1220	1285
56	17-May-97	11:15	06_03.07 N	112_46.47 E	970	1030
57	17-May-97	16:15	05_40.60 N	113_04.58 E	2020	2348

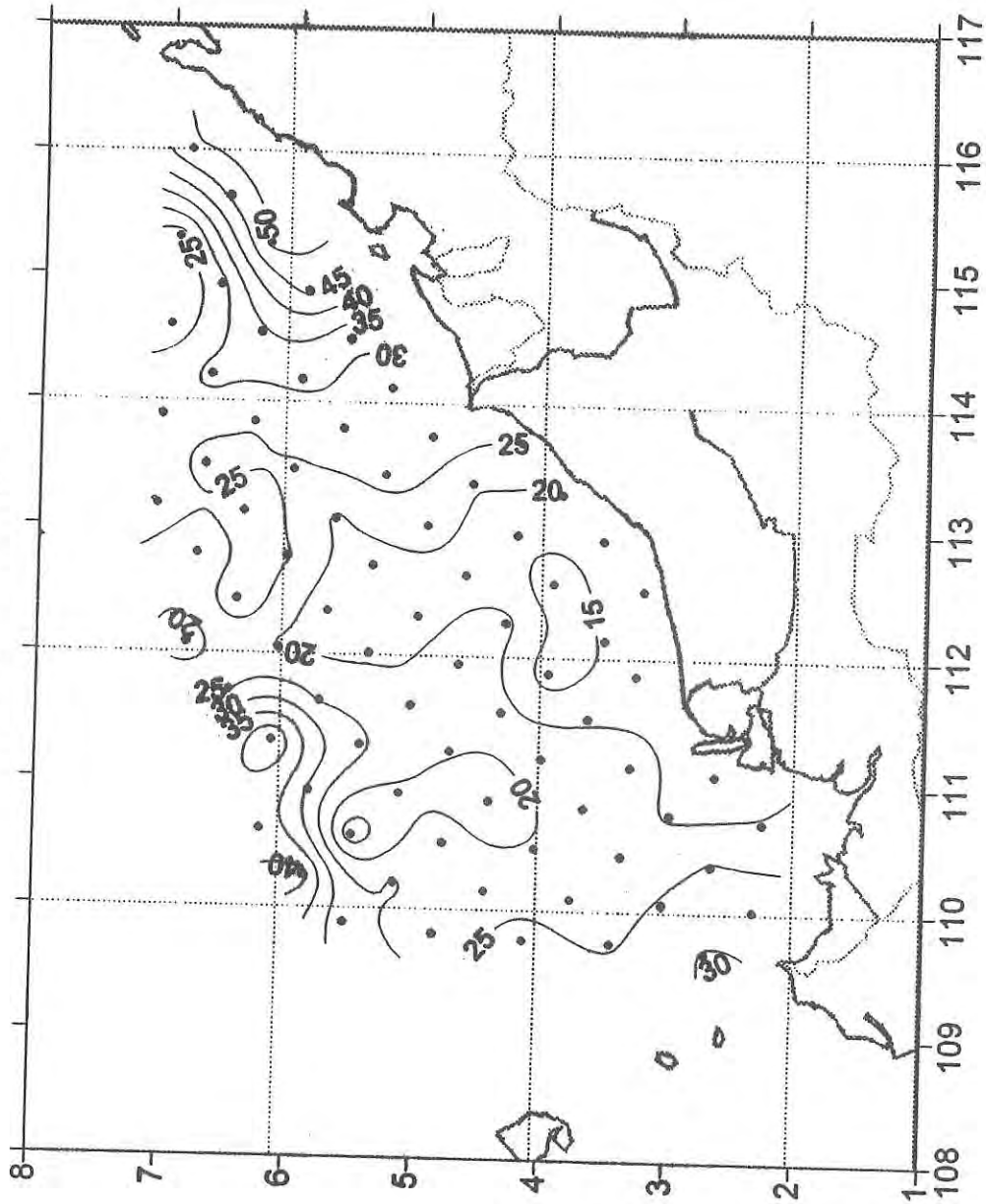
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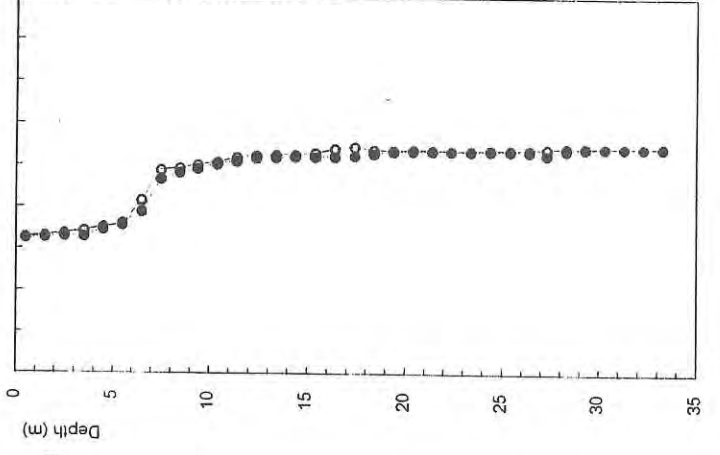
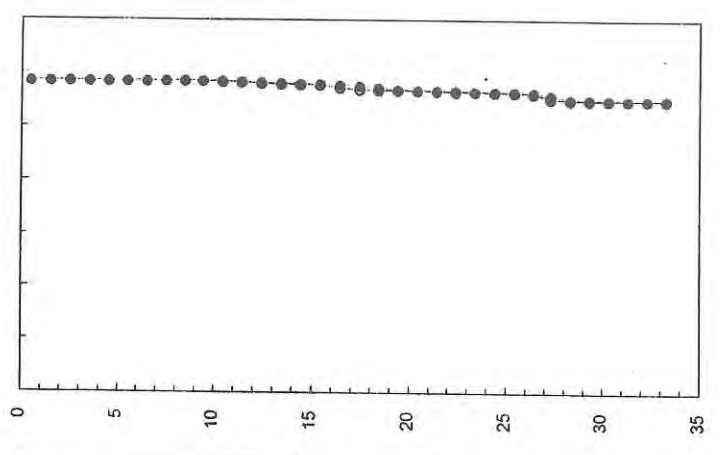
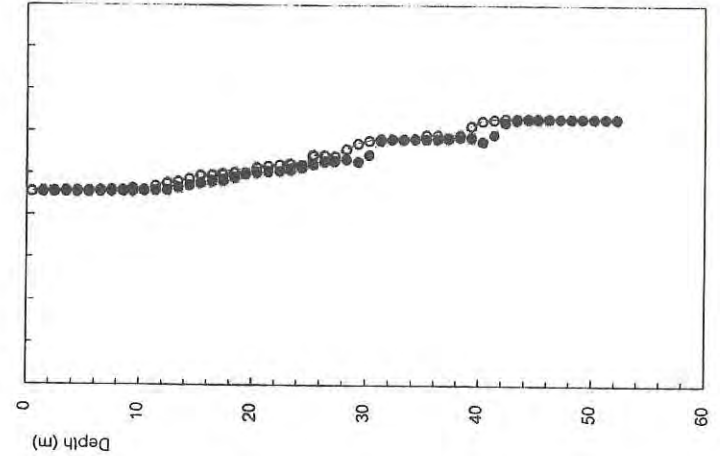
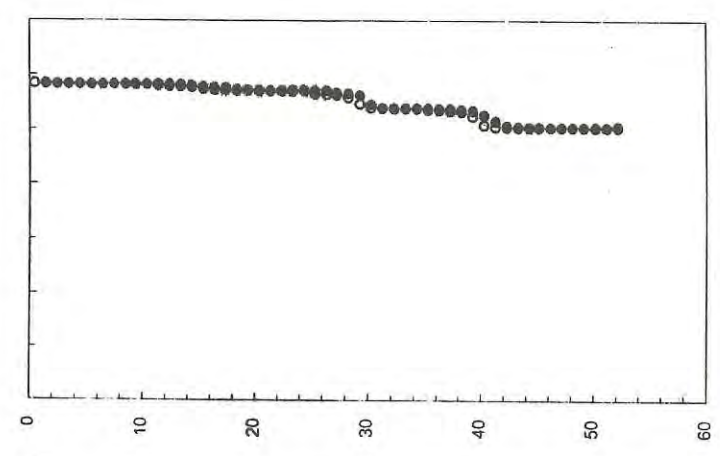
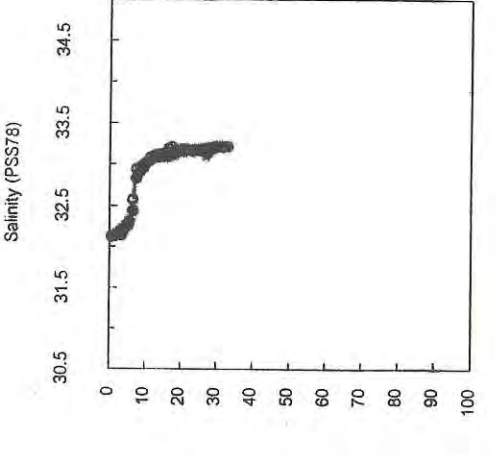
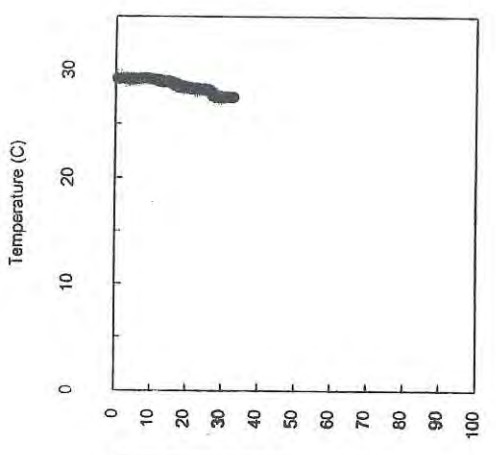
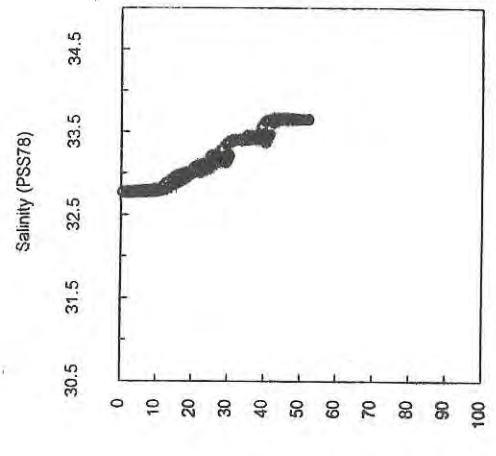
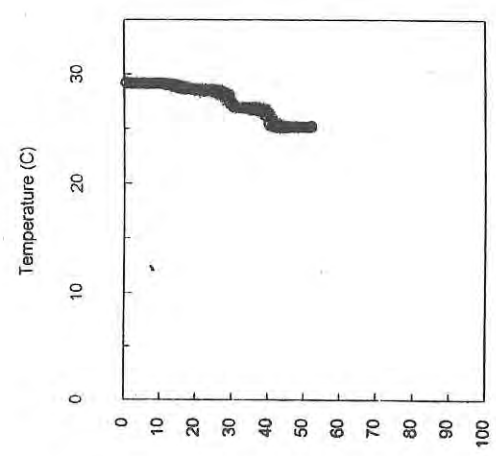
Station	Date	Time	Latitude	Longitude	CTD Depth (m)	Sounding Depth (m)
58	17-May-97	21:15	05_16.95 N	113_25.59 E	1510	1574
59	18-May-97	6:17	04_55.61 N	113_43.99 E	90	95.5
60	18-May-97	10:30	05_15.07 N	114_06.85 E	208	228
61	18-May-97	16:05	05_37.65 N	113_47.61 E	2005	2151
62	18-May-97	21:10	06_00.47 N	113_27.64 E	2003	2558
63	19-May-97	6:15	06_23.64 N	113_07.34 E	1520	1600
64	19-May-97	10:35	06_45.80 N	112_47.50 E	1265	1345
65	19-May-97	15:00	07_04.79 N	113_10.55 E	1512	1593
66	19-May-97	19:25	06_42.20 N	113_29.71 E	1805	1885
67	20-May-97	6:15	06_19.69 N	113_50.08 E	2016	2816
68	20-May-97	11:00	05_57.71 N	114_10.46 E	1708	1771
69	20-May-97	21:30	05_35.00 N	114_29.00 E	95	100
70	22-May-97	6:15	05_55.33 N	114_52.65 E	134	141
71	22-May-97	10:35	06_17.26 N	114_32.83 E	1915	2020
72	22-May-97	15:30	06_40.27 N	114_12.75 E	2018	2865
73	22-May-97	20:05	07_02.97 N	113_53.02 E	1768	1841
74	23-May-97	6:20	07_00.12 N	114_36.23 E	2020	2893
75	23-May-97	11:03	06_36.92 N	114_56.51 E	1715	1774
76	23-May-97	15:35	06_14.25 N	115_15.43 E	95	100
77	24-May-97	6:25	06_33.44 N	115_38.33 E	87	92
78	24-May-97	10:35	06_57.00 N	115_18.30 E	1463	1513
79	24-May-97	16:10	06_52.10 N	116_00.50 E	54	58

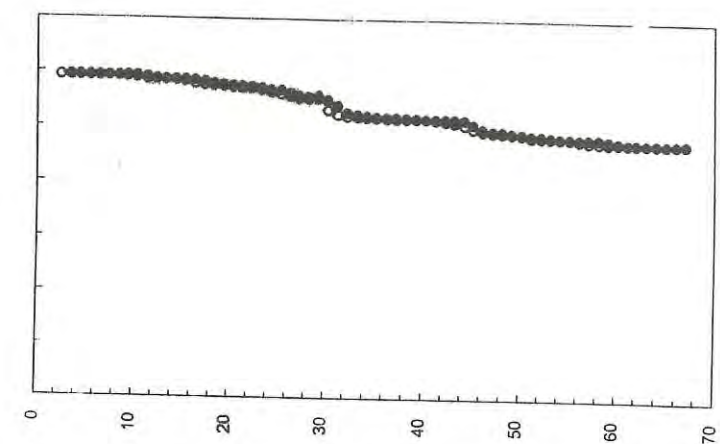
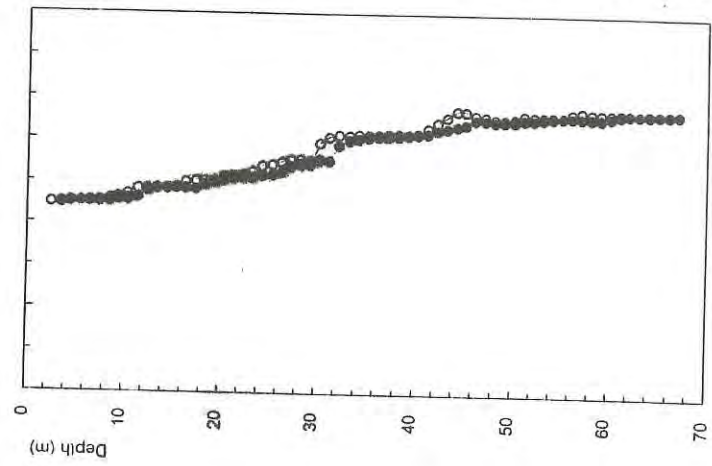
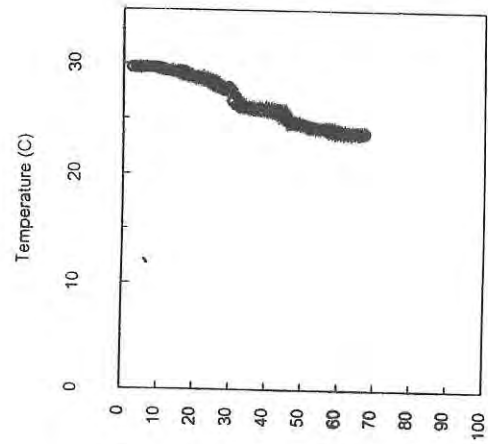
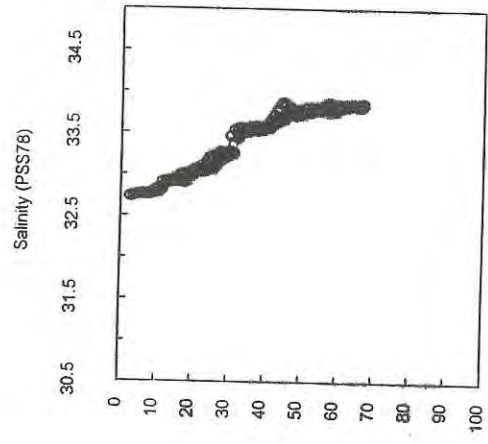
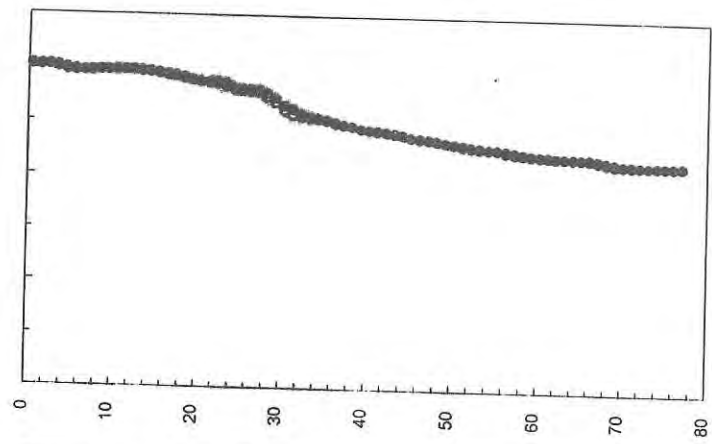
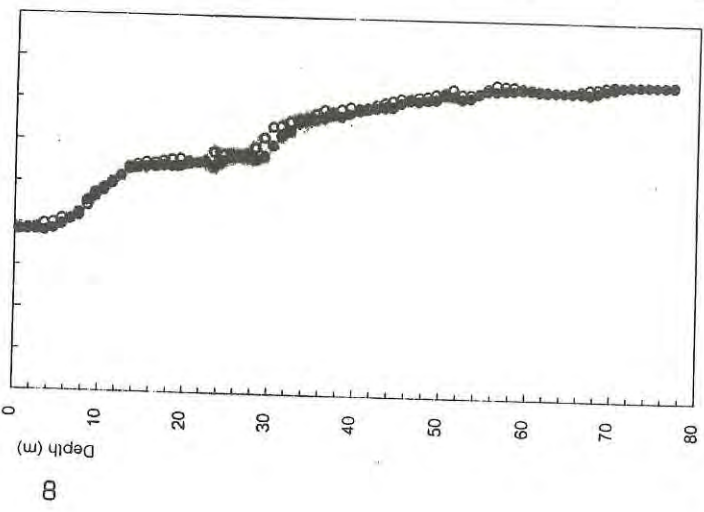
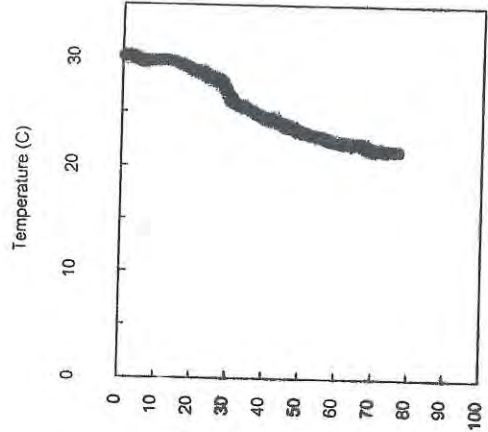
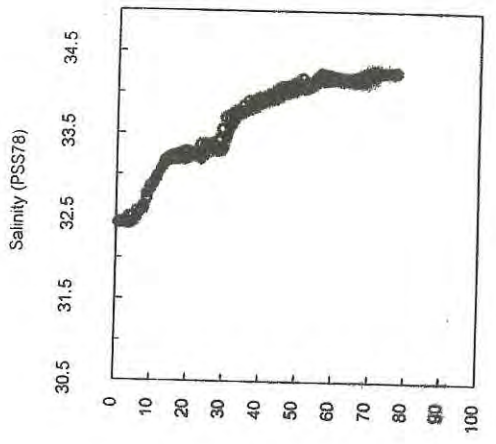
Bottom Depth (m)



Surface Mixed Layer Depth (m)
 $\text{Abs}(1/n (\sum dT/dLnT)) > 1$





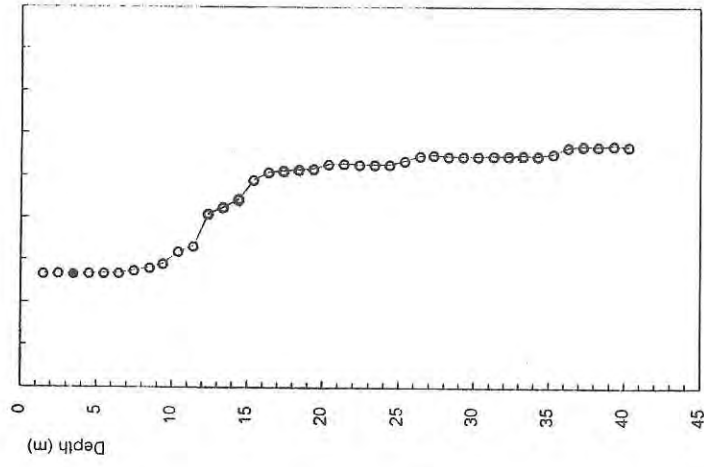
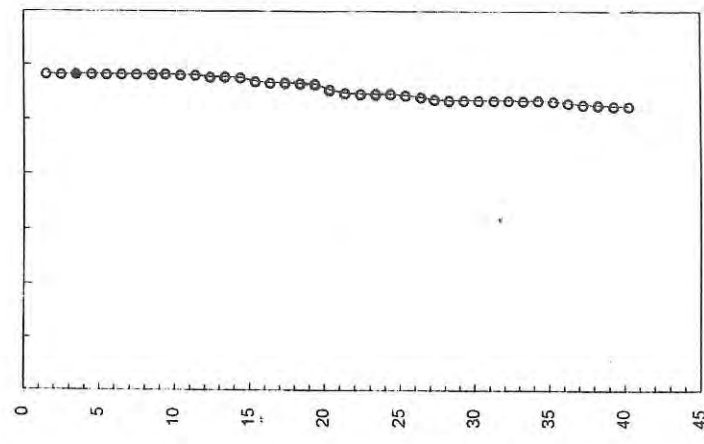
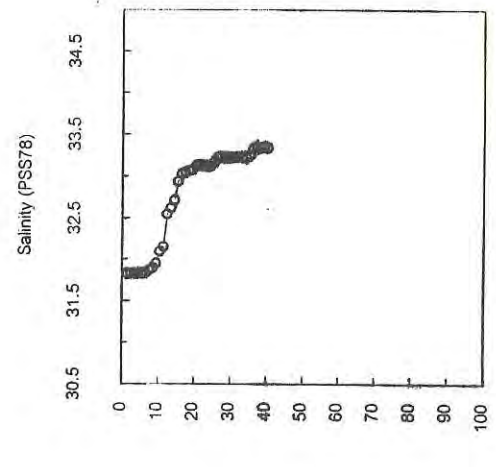
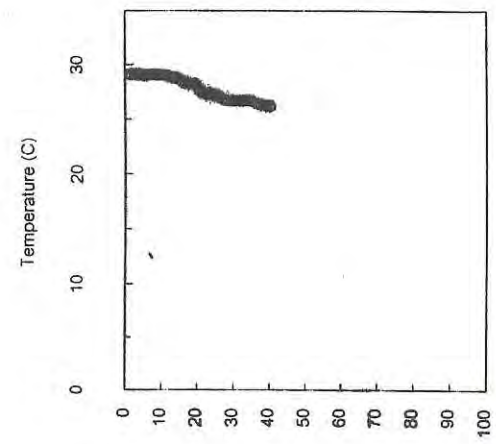


Station 003
● = Downcast

Station 003
○ = Upcast

Station 004
● = Downcast

Station 004
○ = Upcast

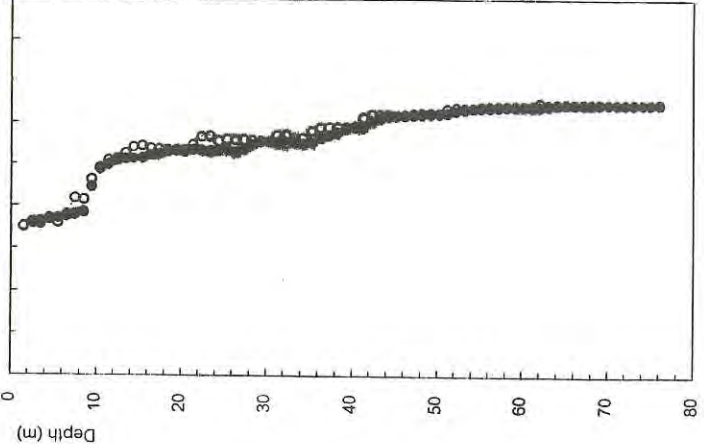
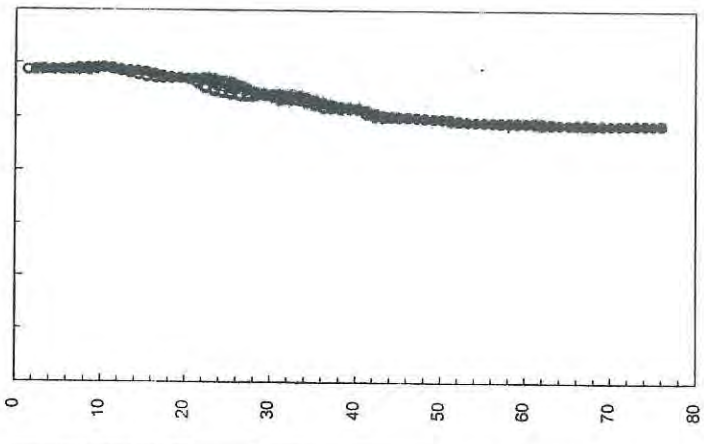
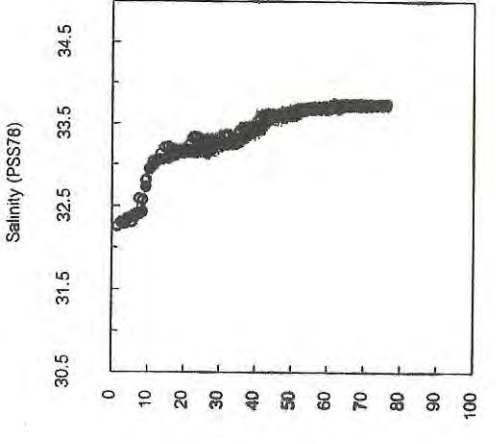
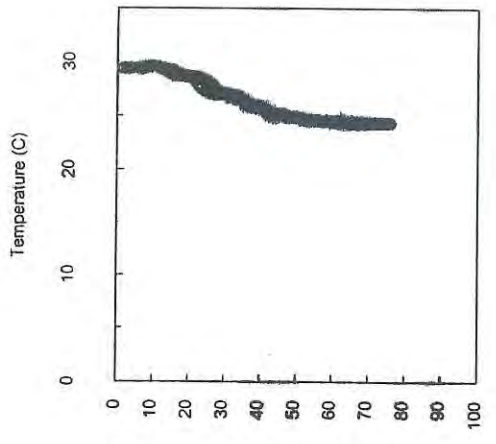


Station 006

o = Upcast

Station 006

● = Downcast

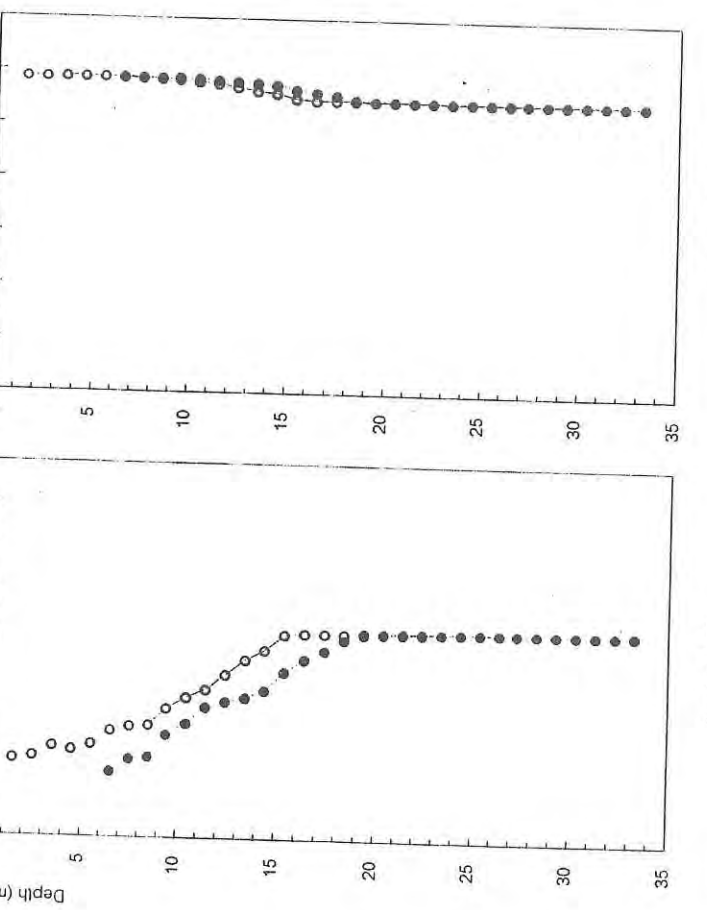
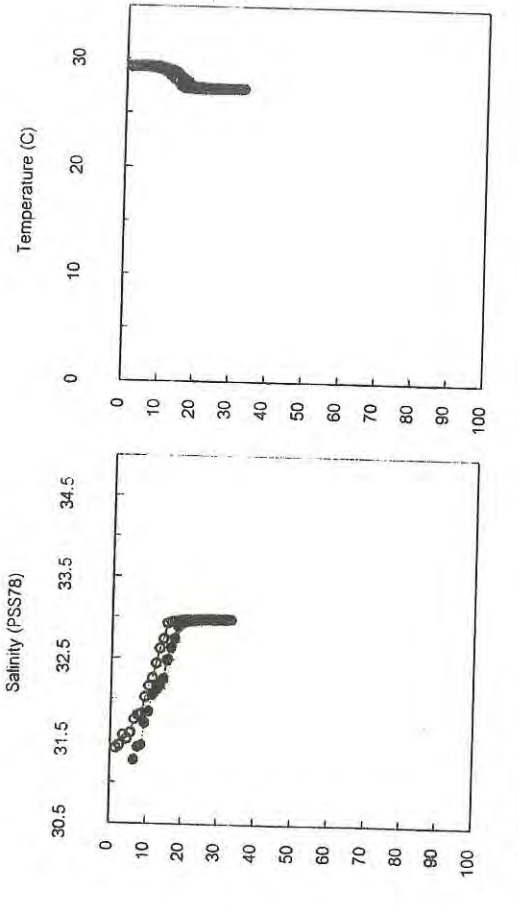
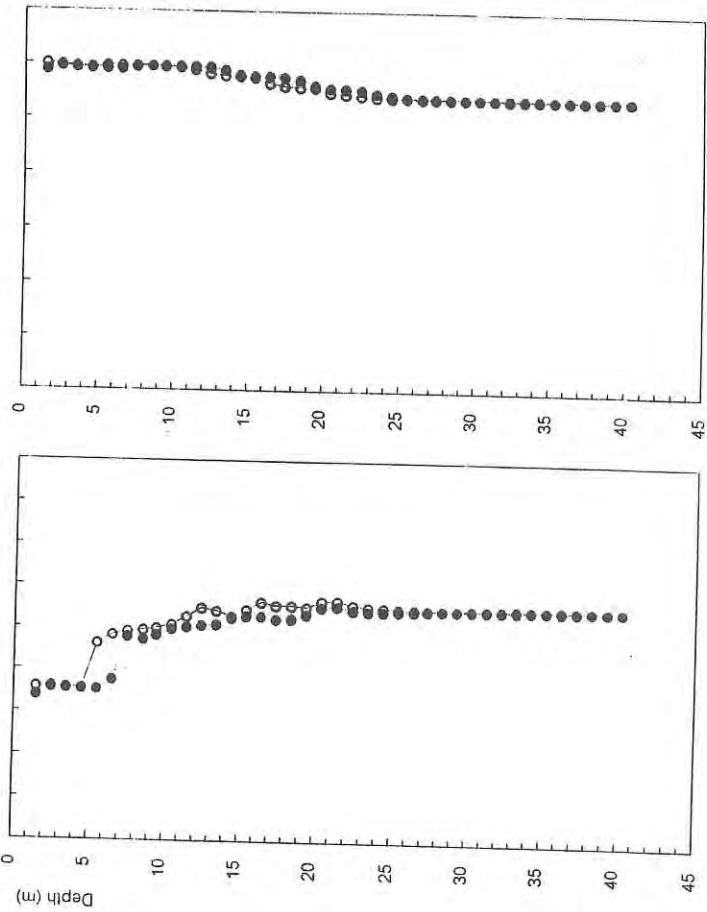
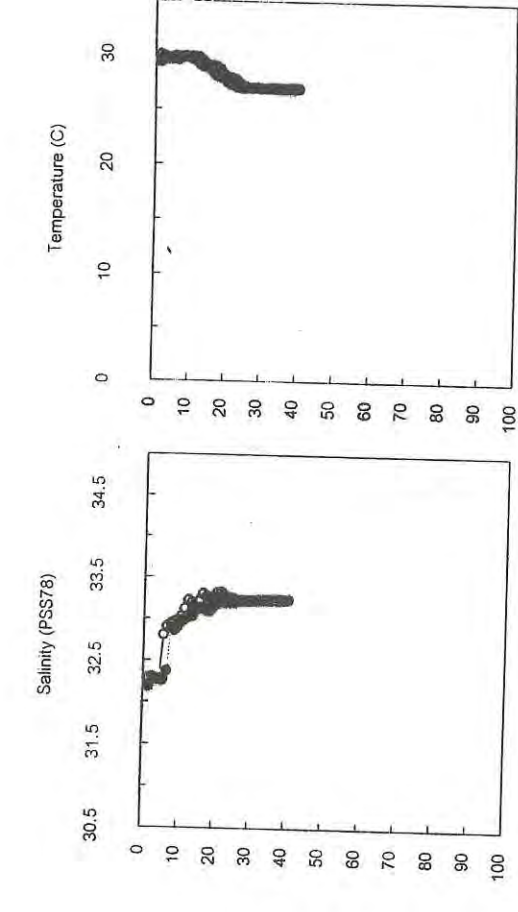


Station 005

o = Upcast

Station 005

● = Downcast



Station 008

o = Upcast

Station 008

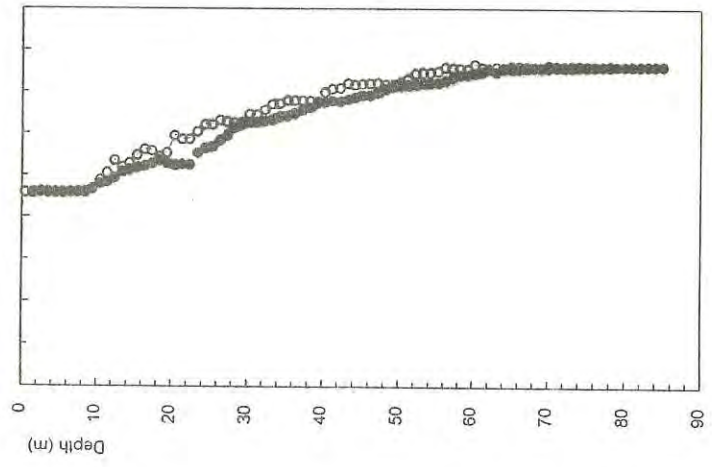
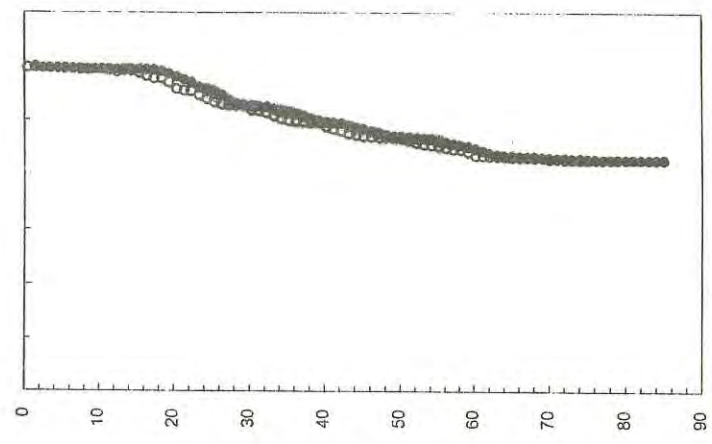
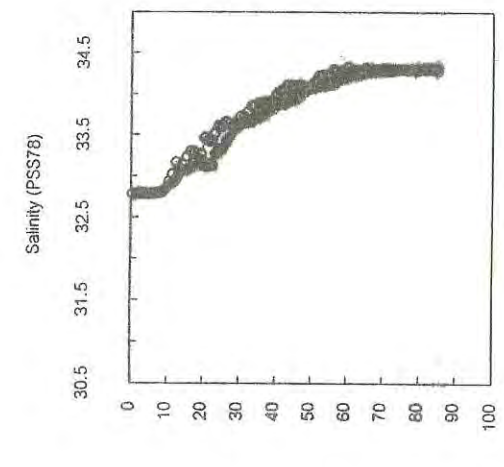
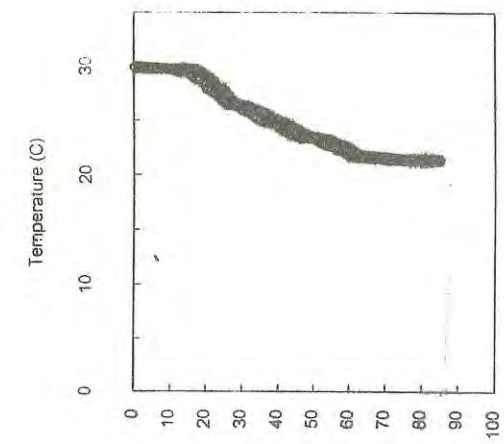
● = Downcast

Station 007

o = Upcast

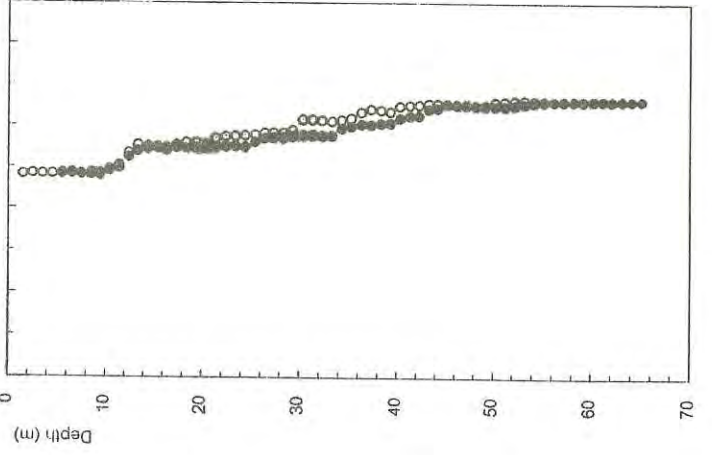
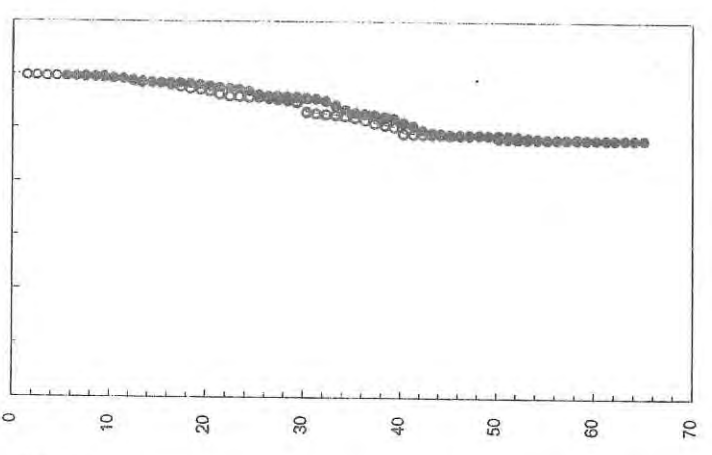
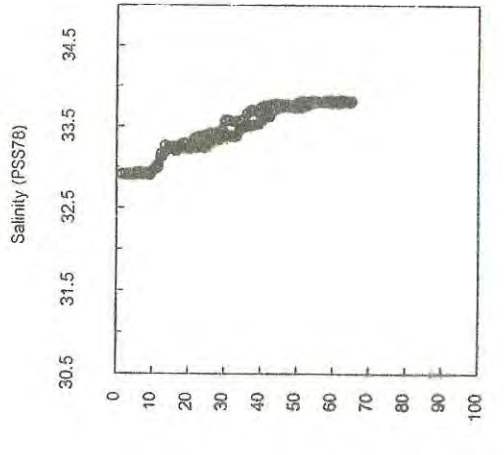
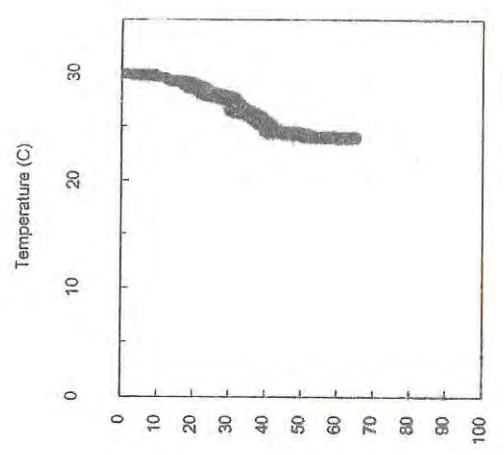
Station 007

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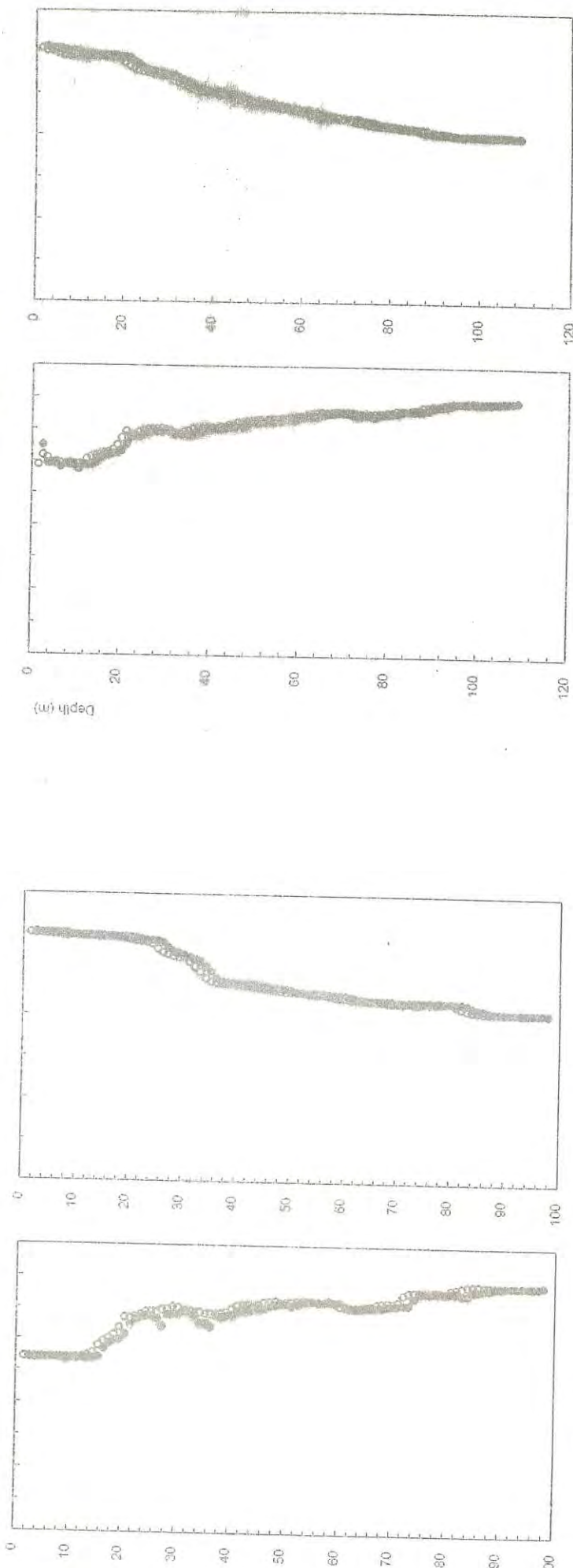
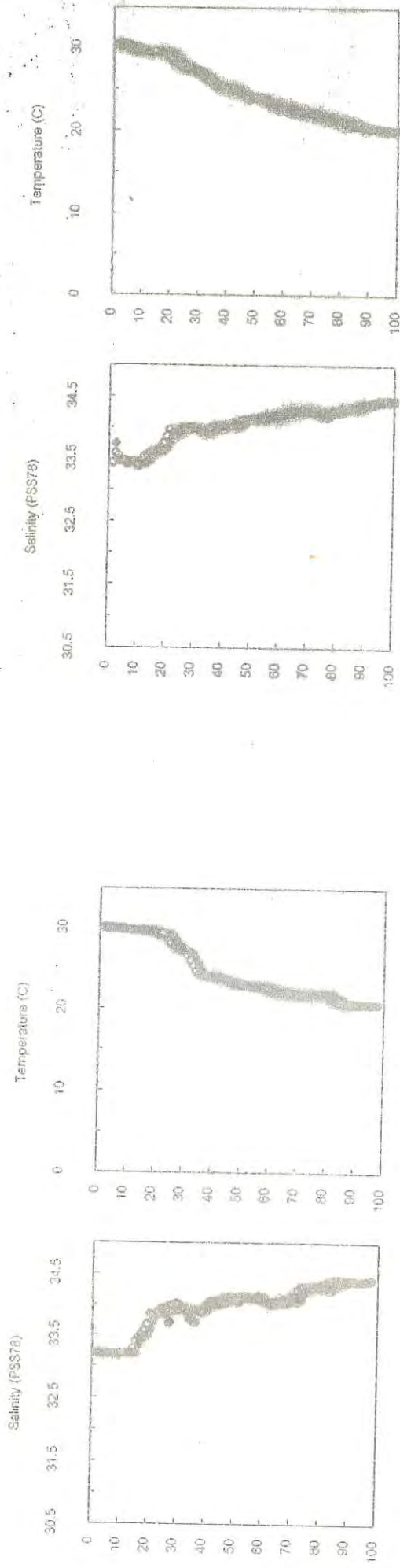
Station 010
o = Upcast

Station 010
● = Downcast



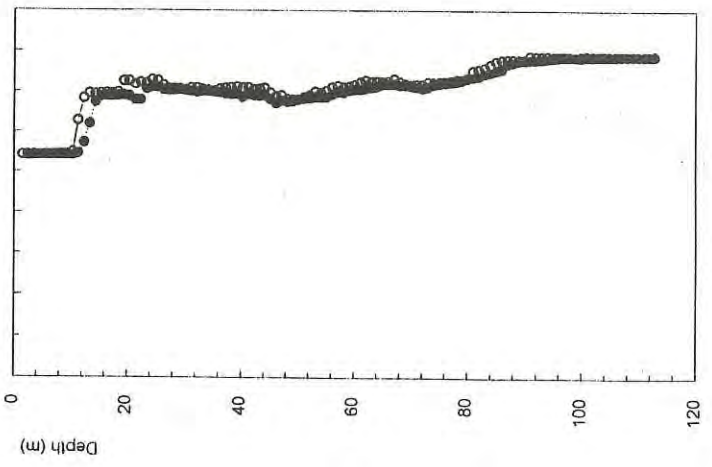
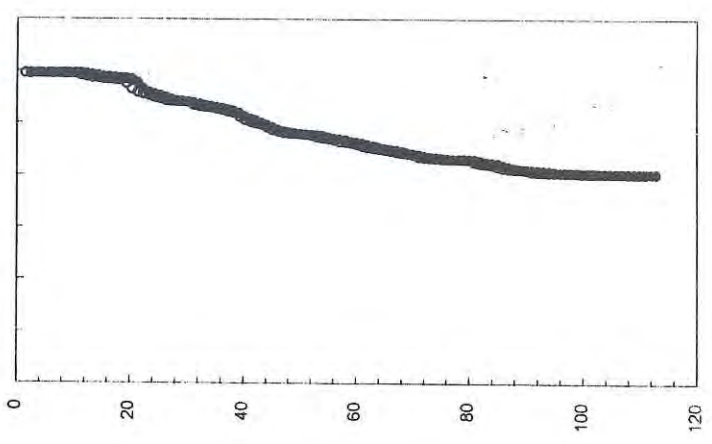
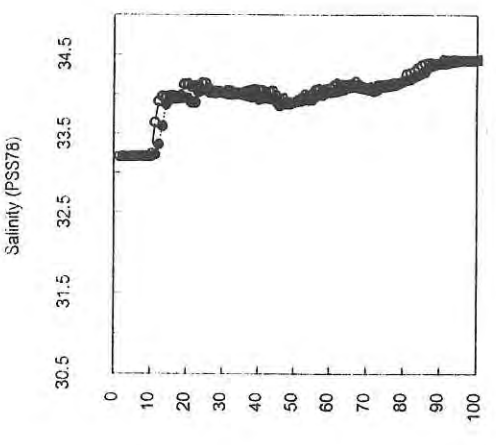
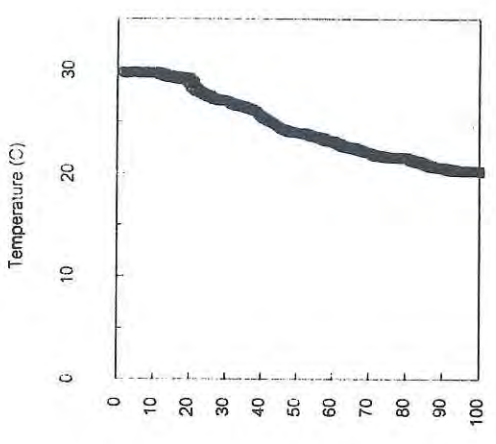
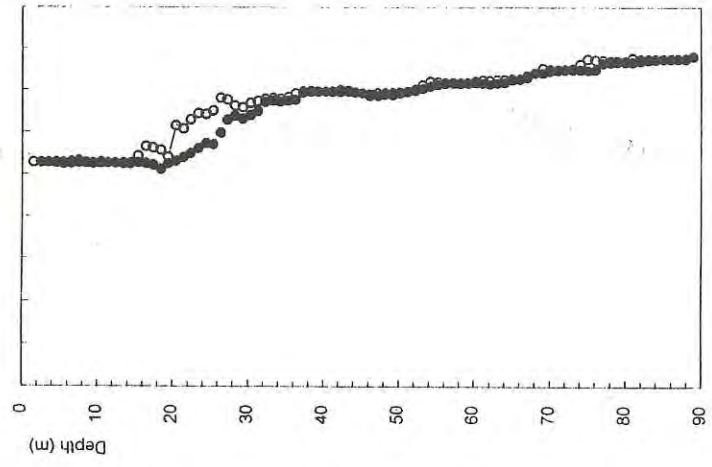
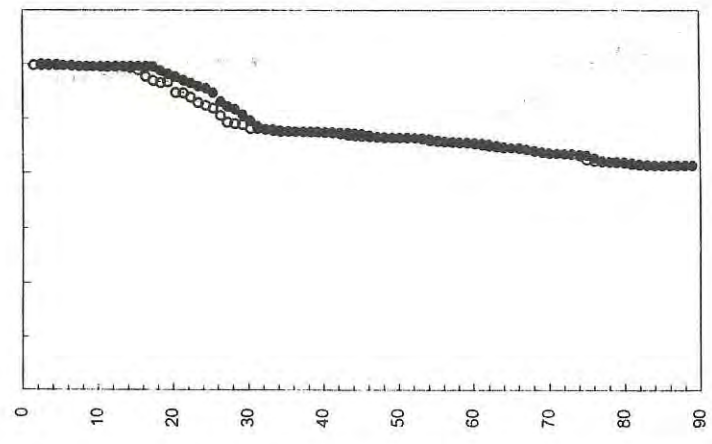
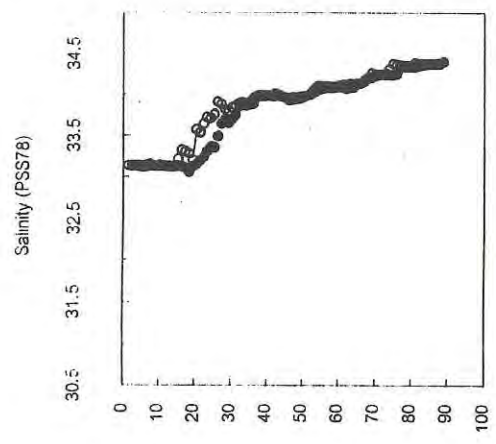
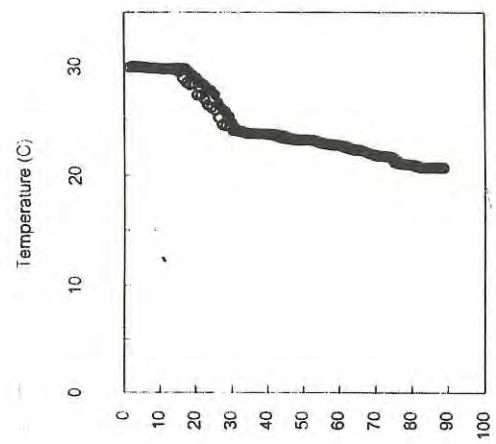
Station 009
o = Upcast

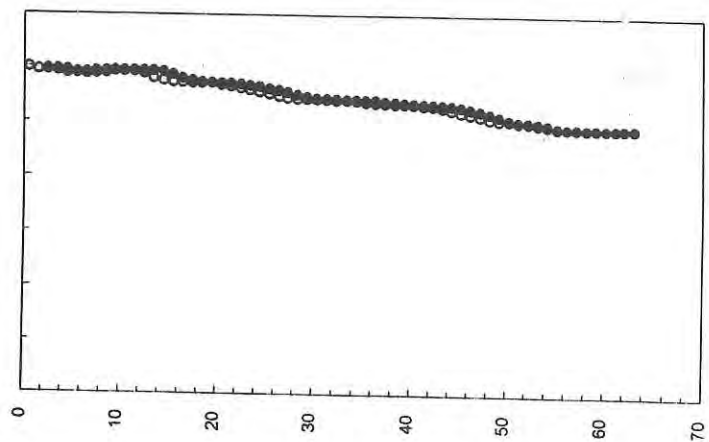
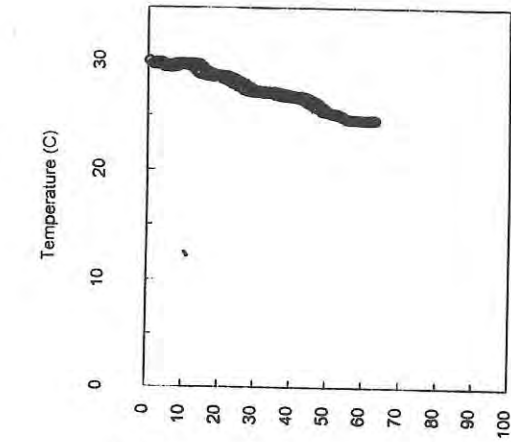
Station 009
● = Downcast



● = Downcast

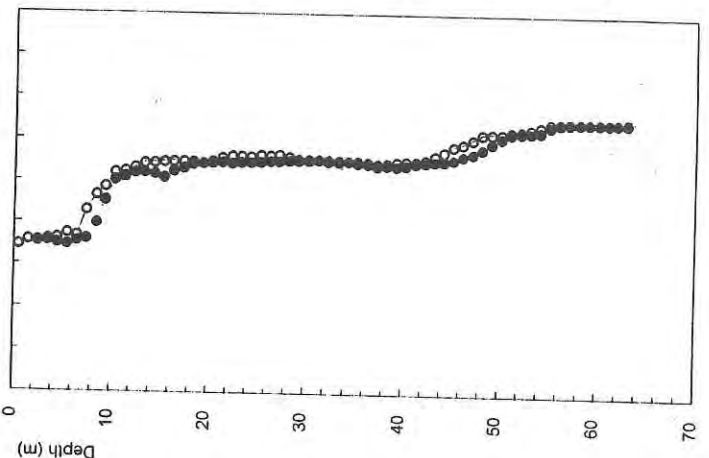
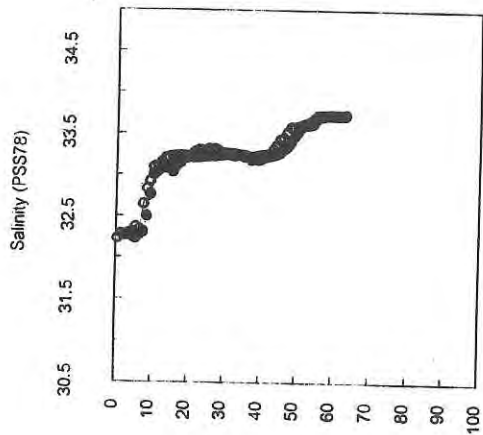
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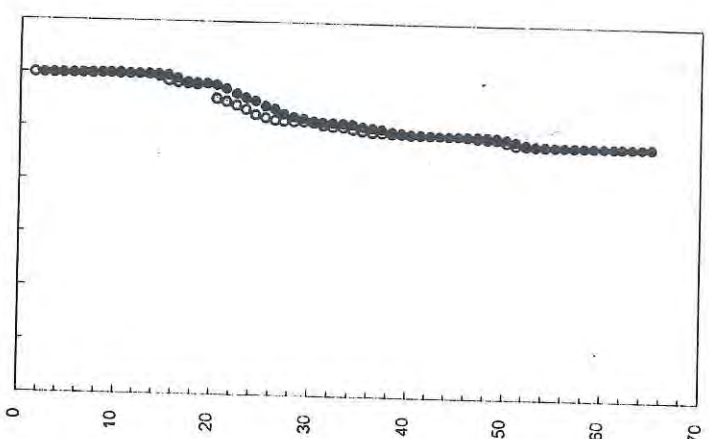
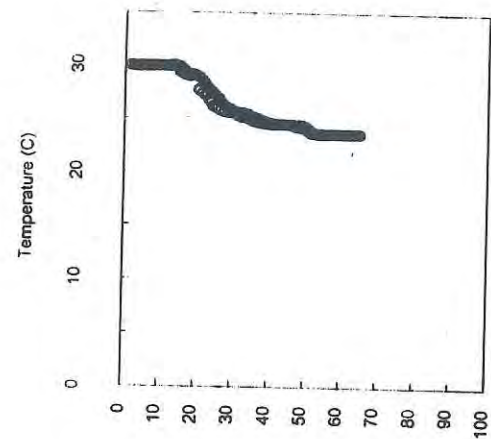
Station 016

o = Upcast



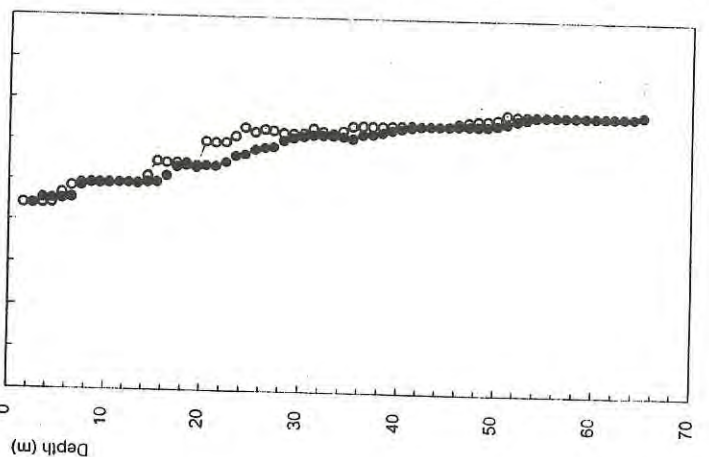
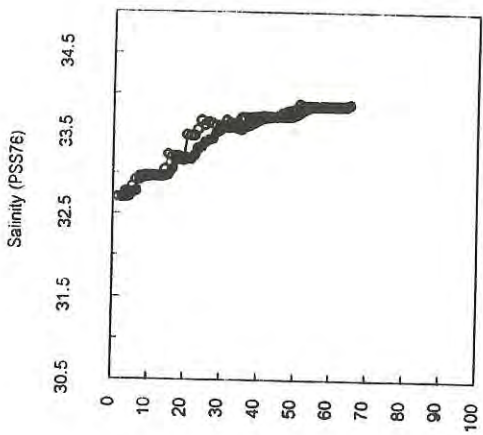
Station 016

● = Downcast



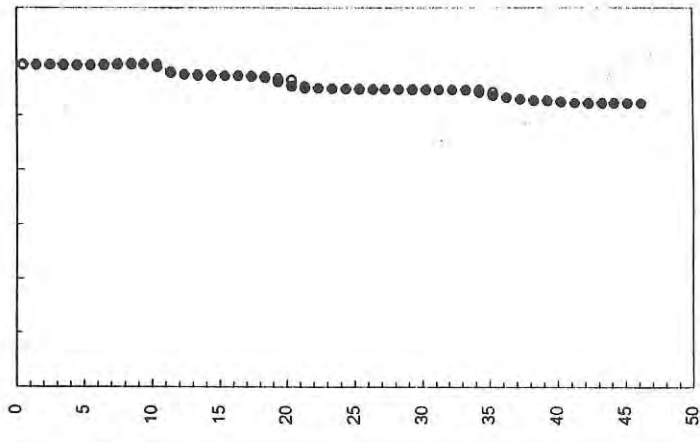
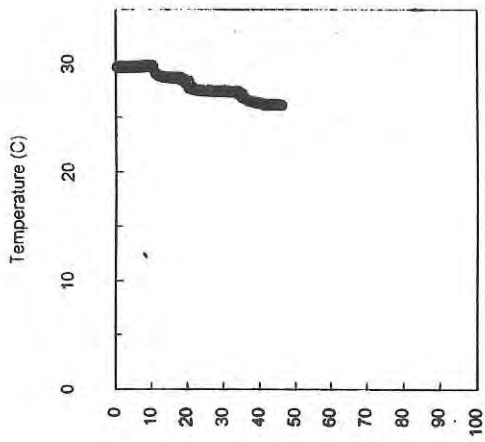
Station 015

o = Upcast



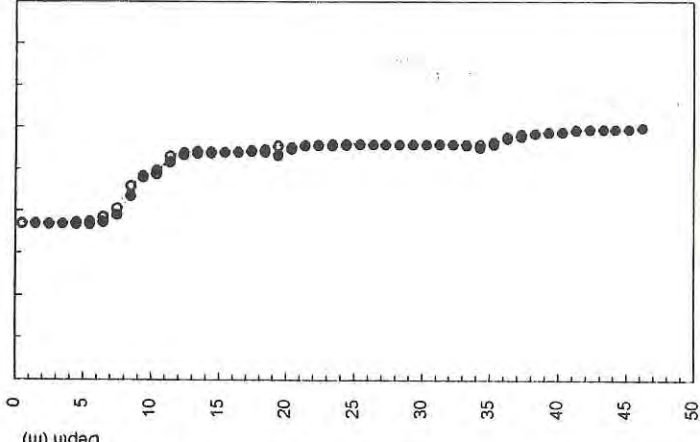
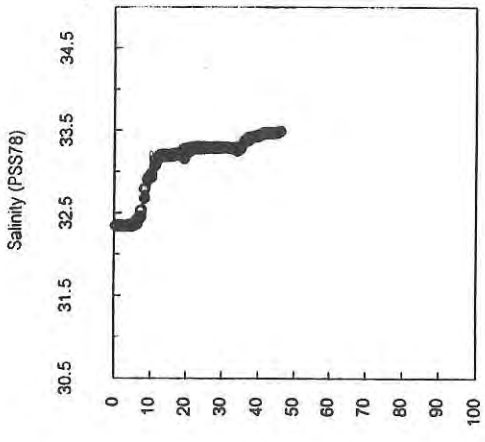
Station 015

● = Downcast



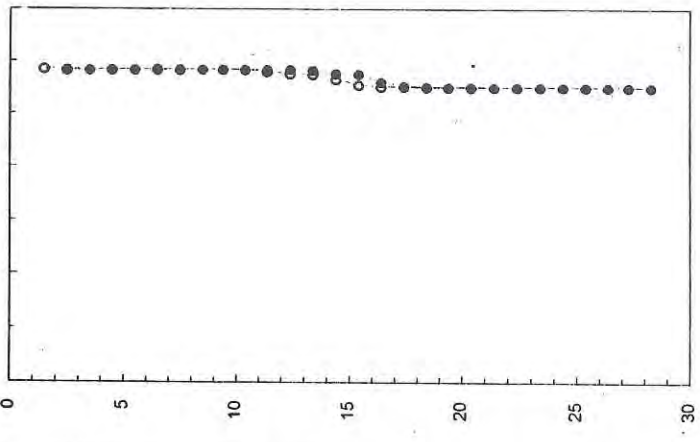
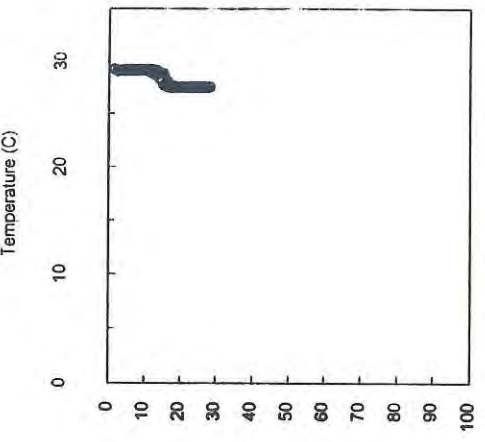
Station 018

o = Upcast



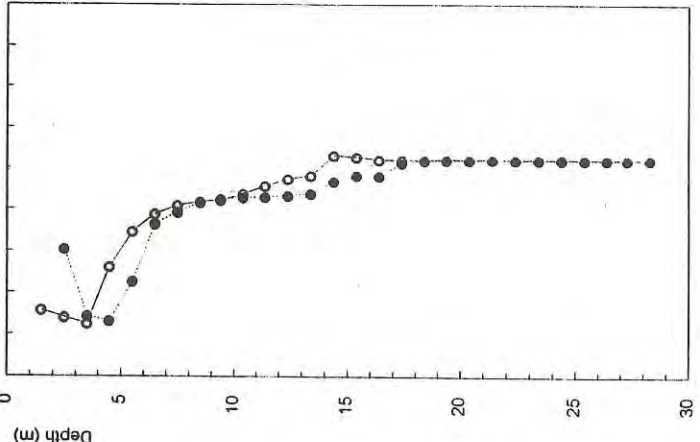
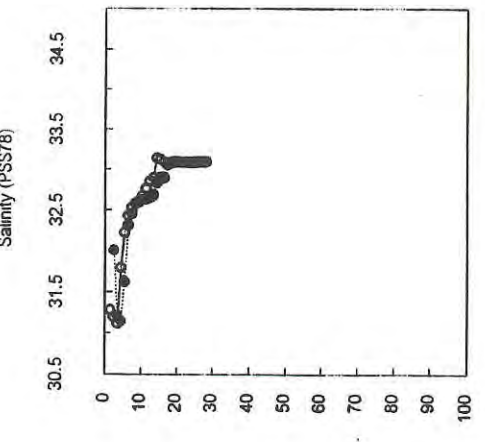
Station 018

● = Downcast



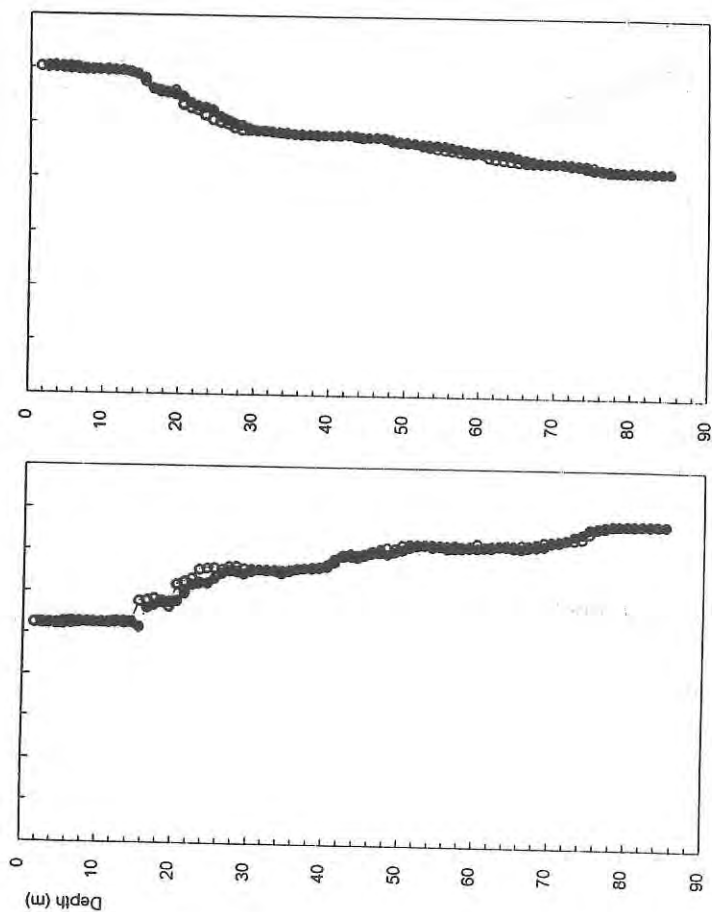
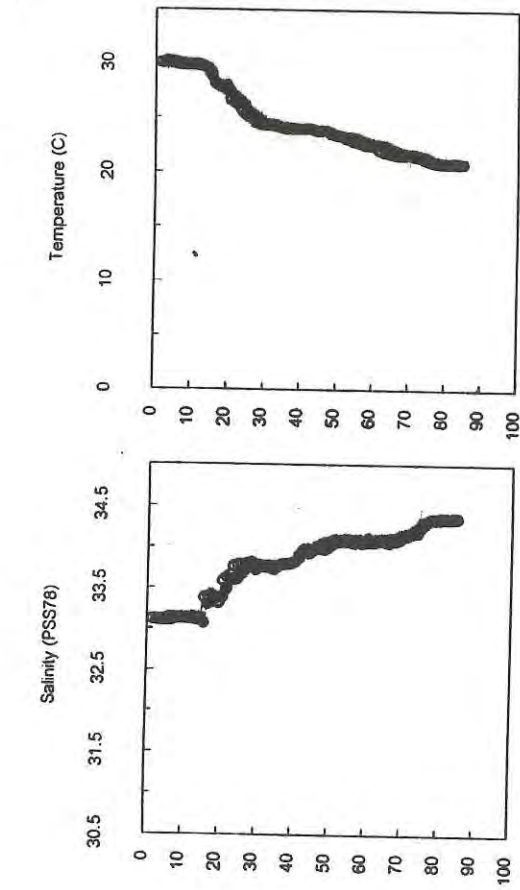
Station 017

o = Upcast

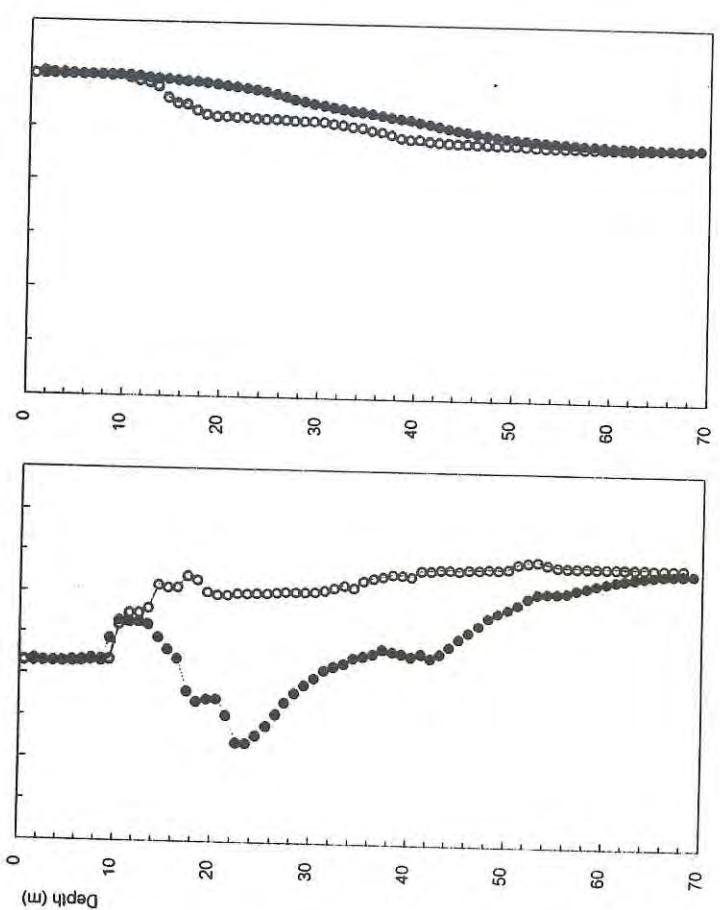
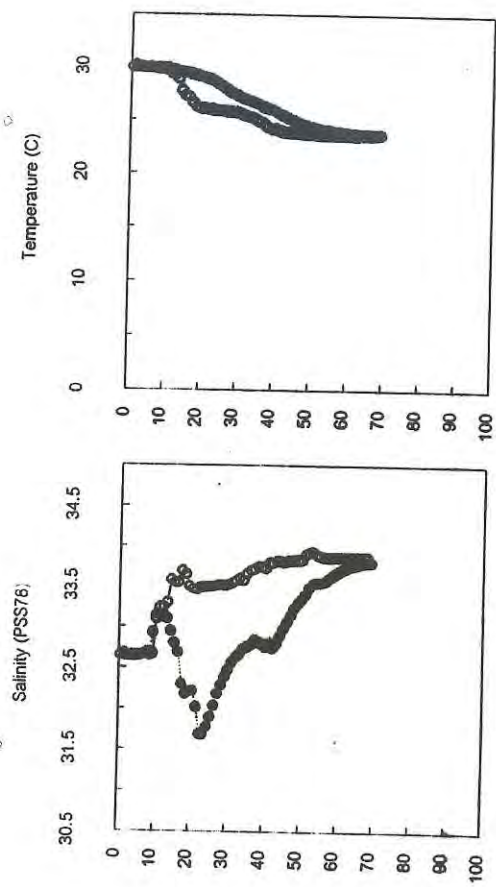


Station 017

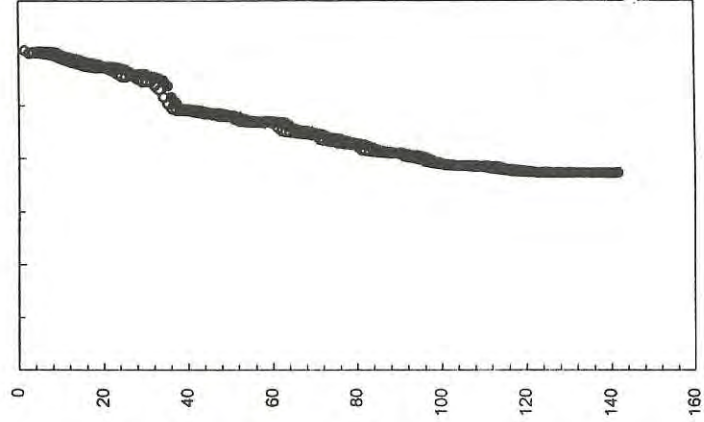
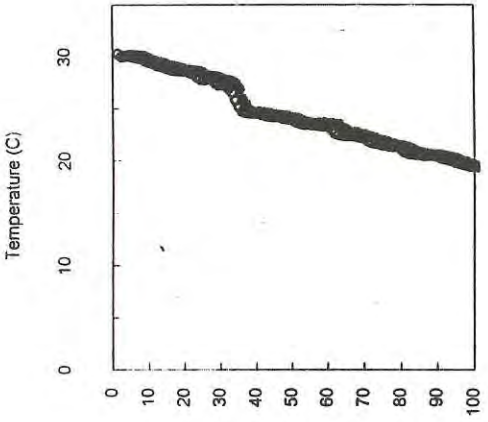
● = Downcast



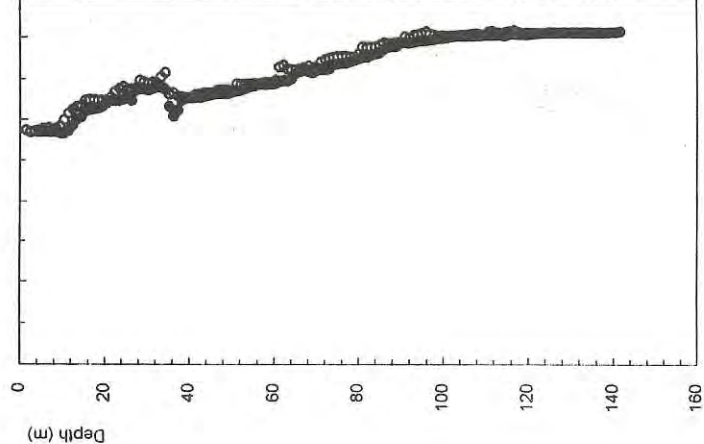
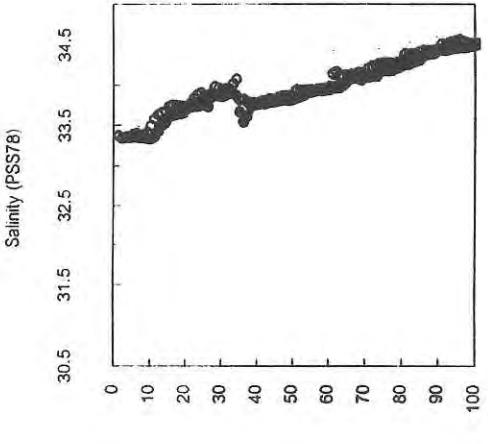
Station 020
 ● = Downcast
 ○ = Upcast



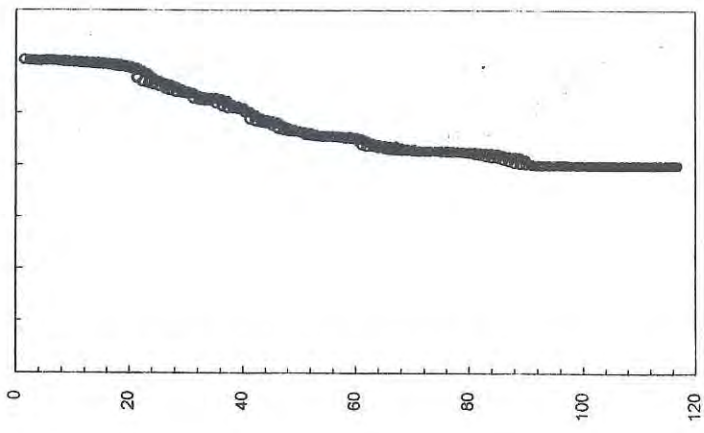
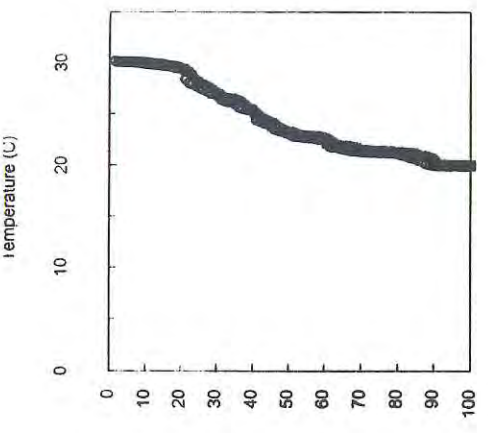
Station 019
 ● = Downcast
 ○ = Upcast



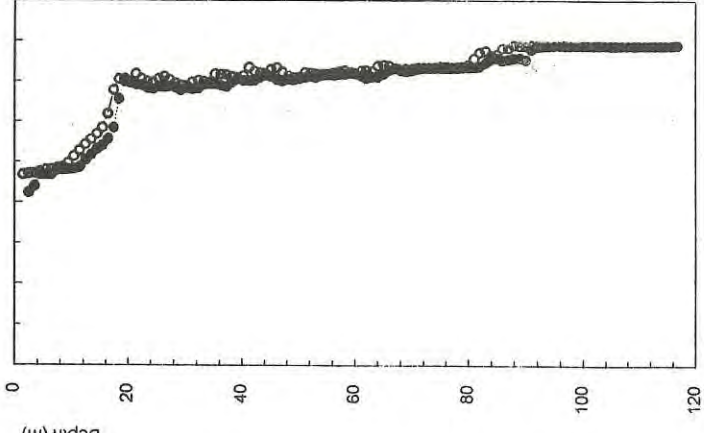
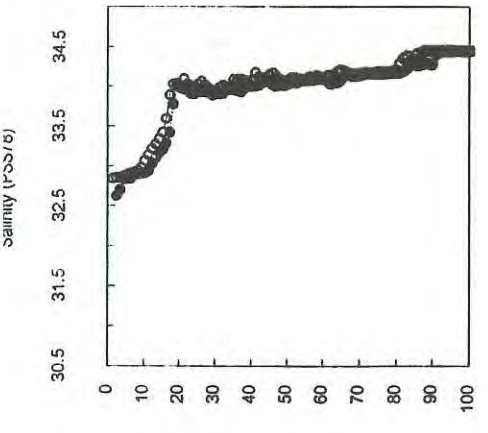
Station 022
o = Upcast



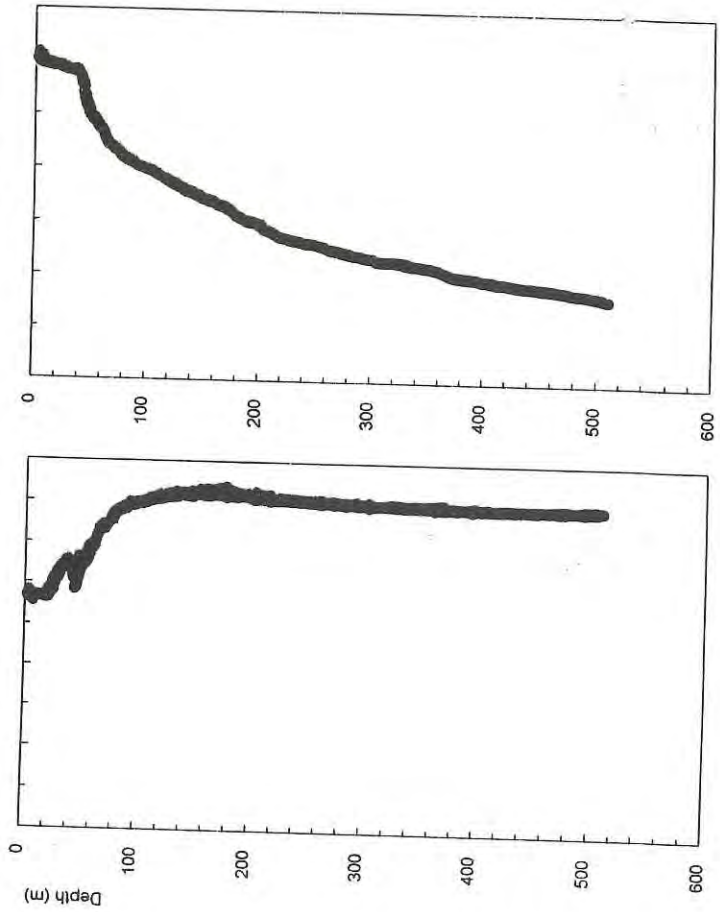
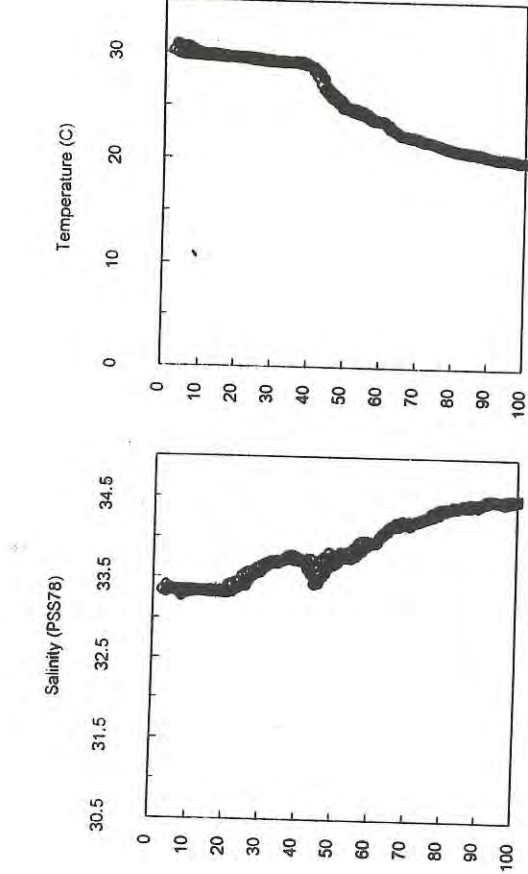
Station 021
● = Downcast



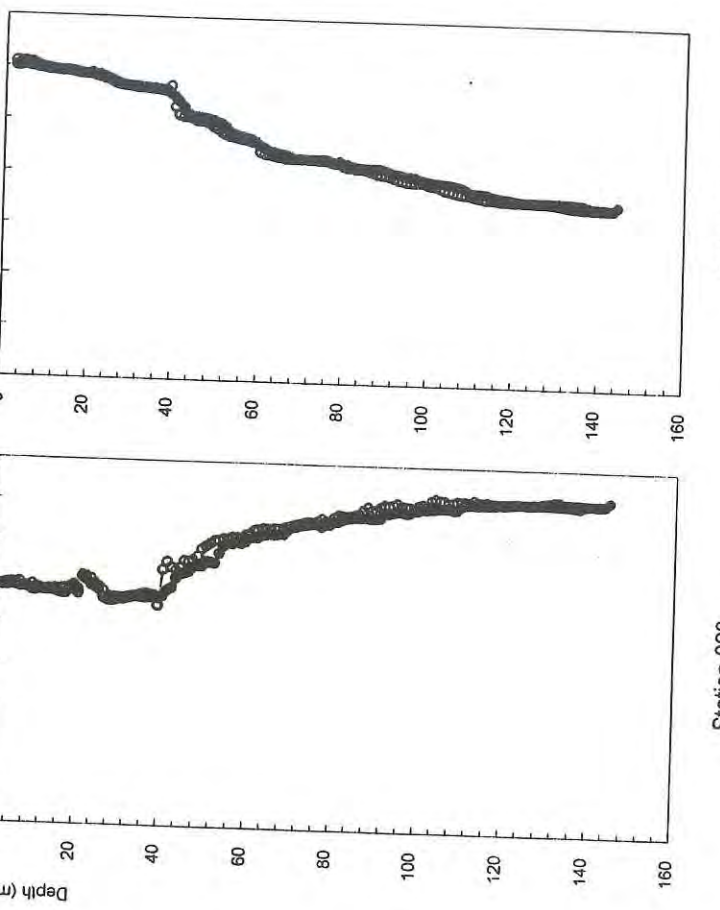
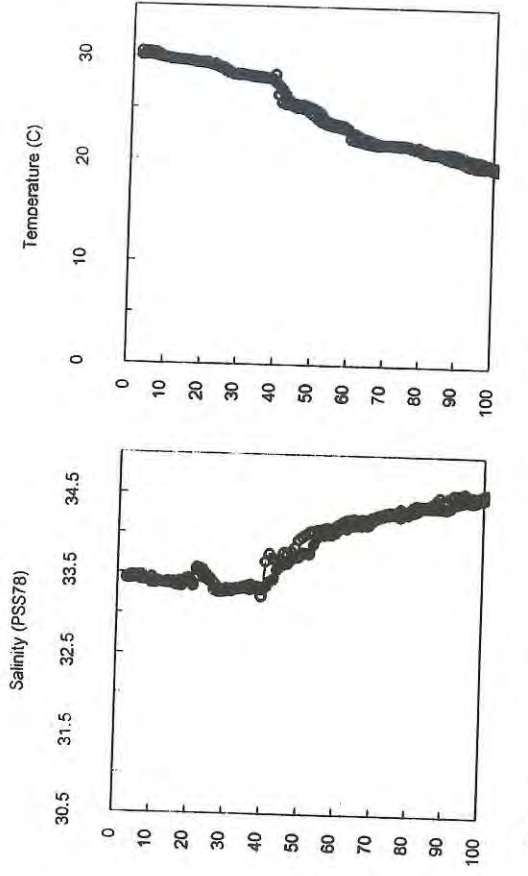
Station 022
● = Downcast



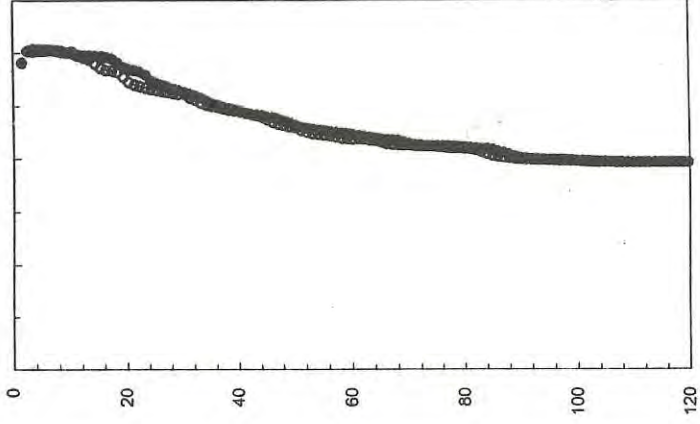
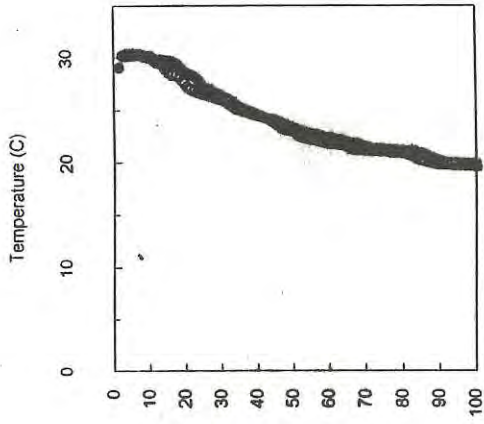
Station 021
o = Upcast



Station 024
 ● = Downcast
 ○ = Upcast

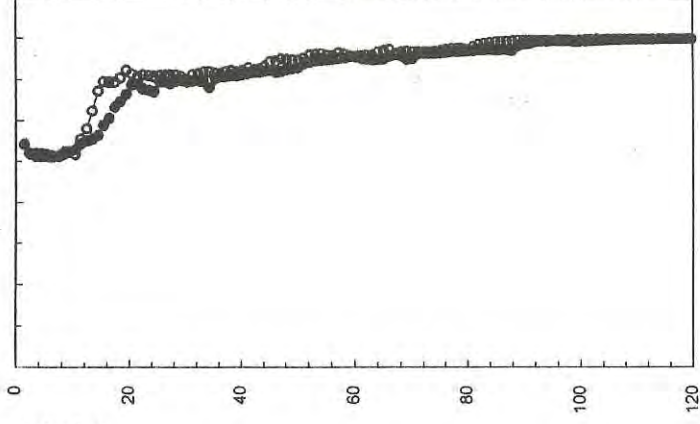
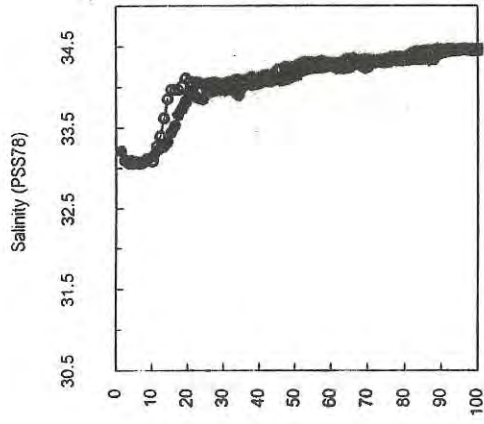


Station 023
 ● = Downcast
 ○ = Upcast



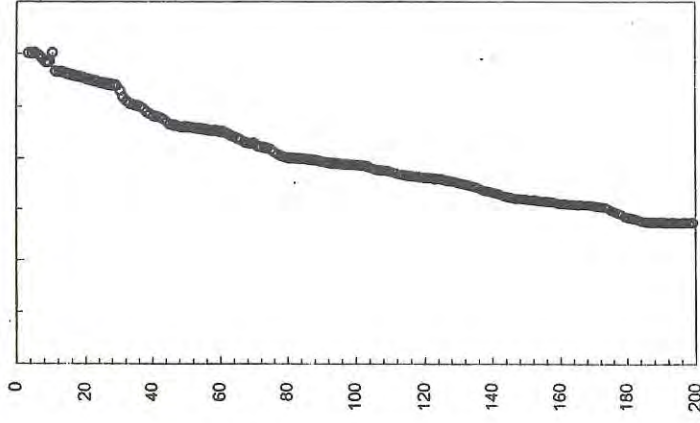
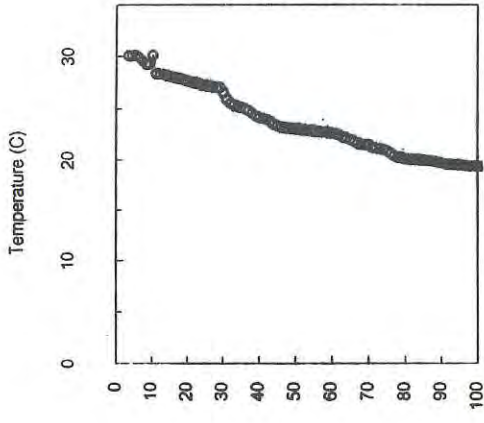
Station 026

o = Upcast



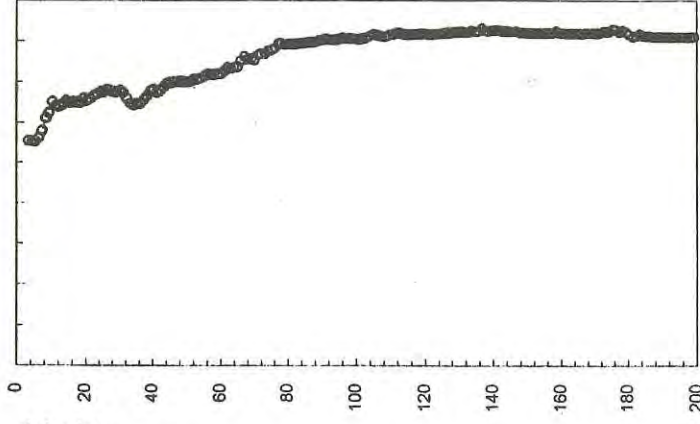
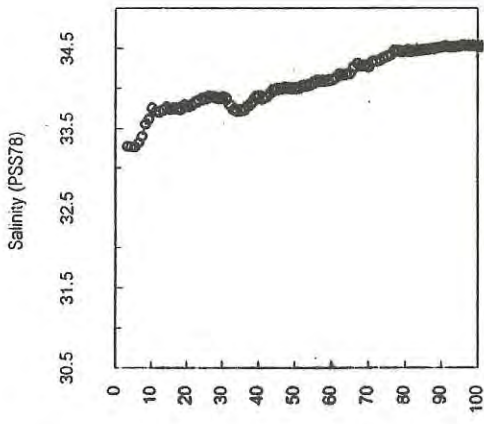
Station 026

● = Downcast



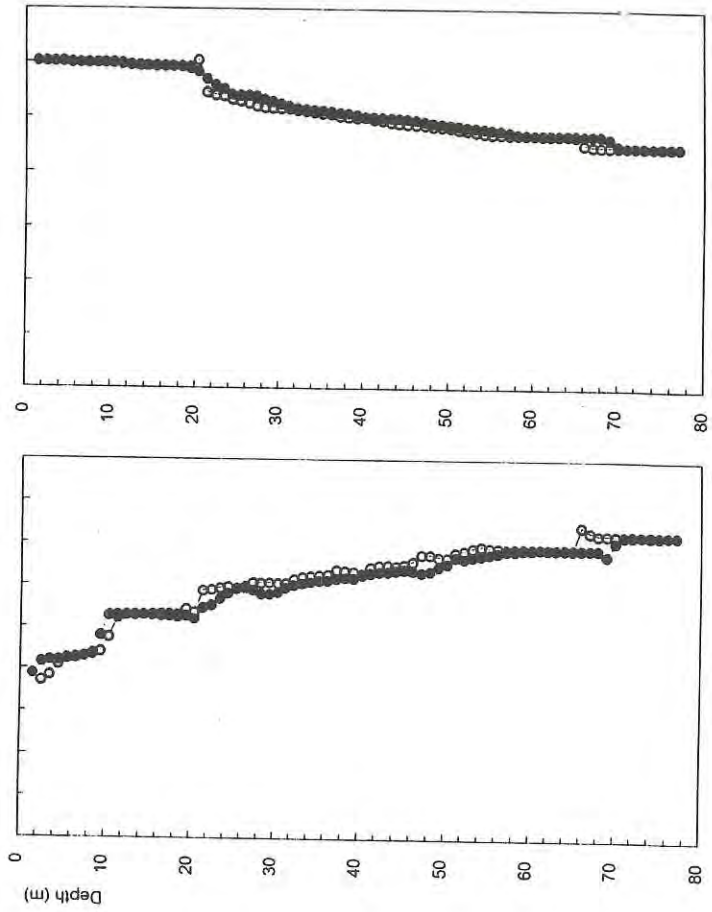
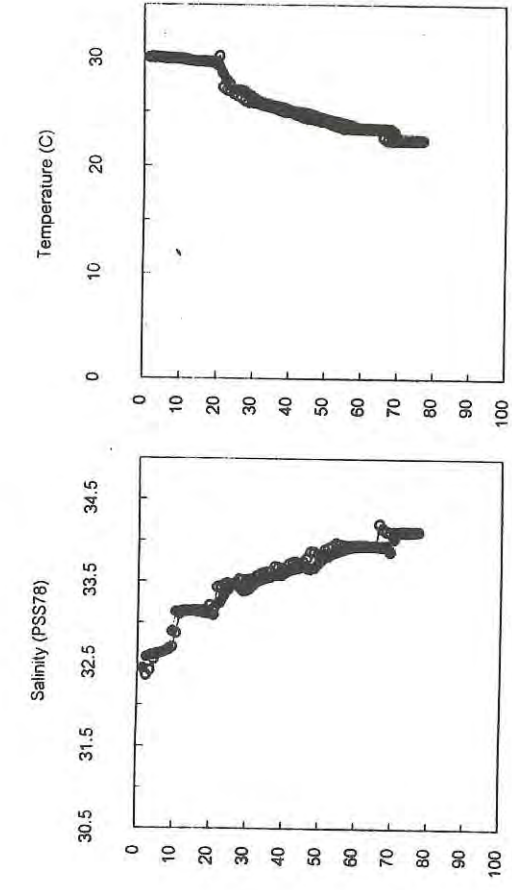
Station 025

o = Upcast

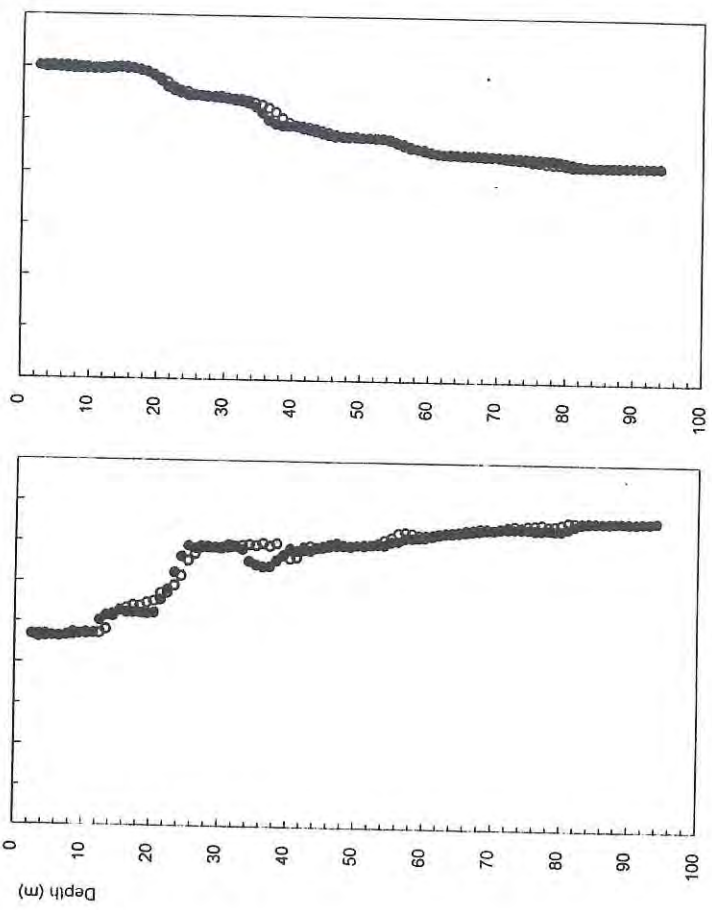
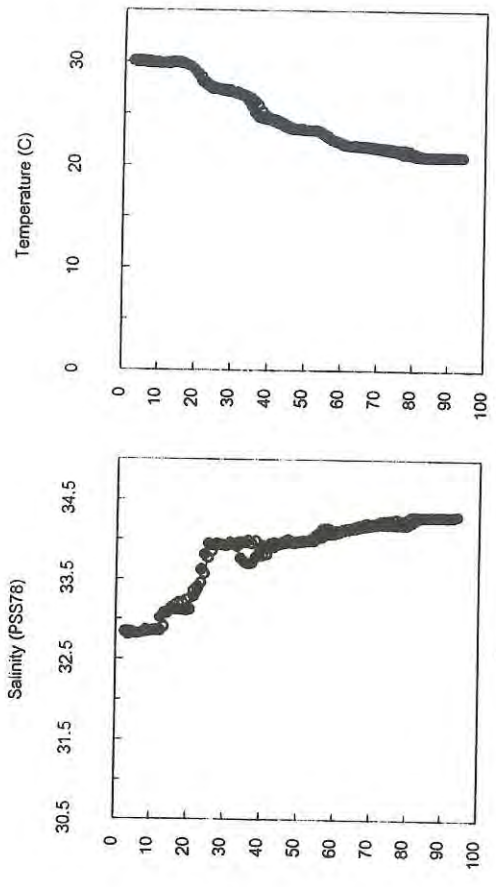


Station 025

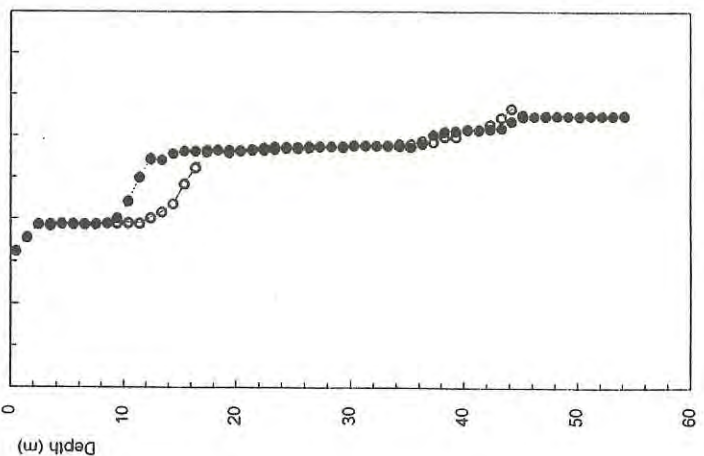
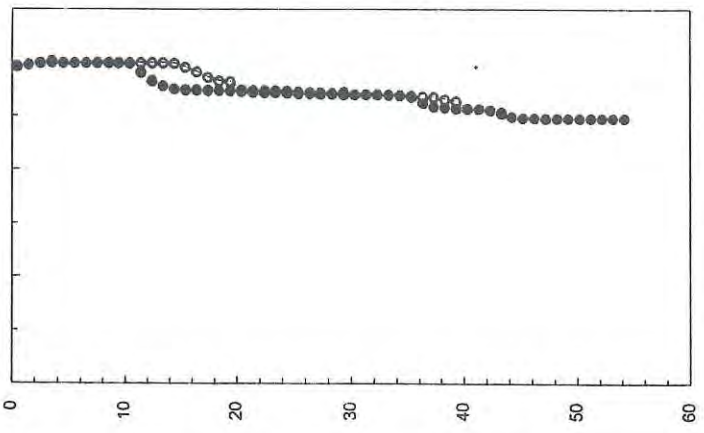
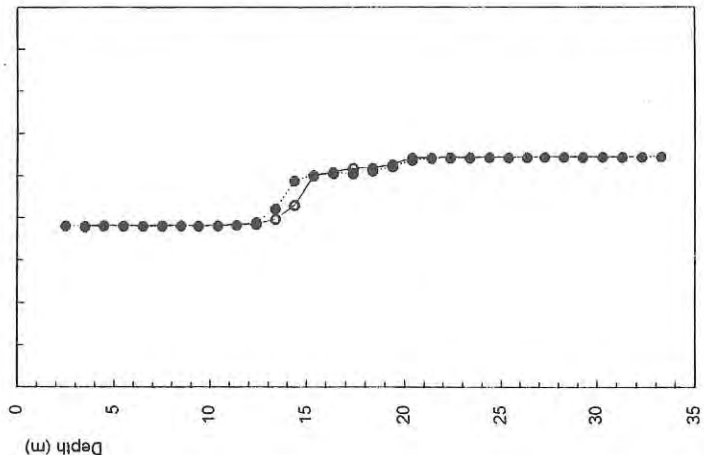
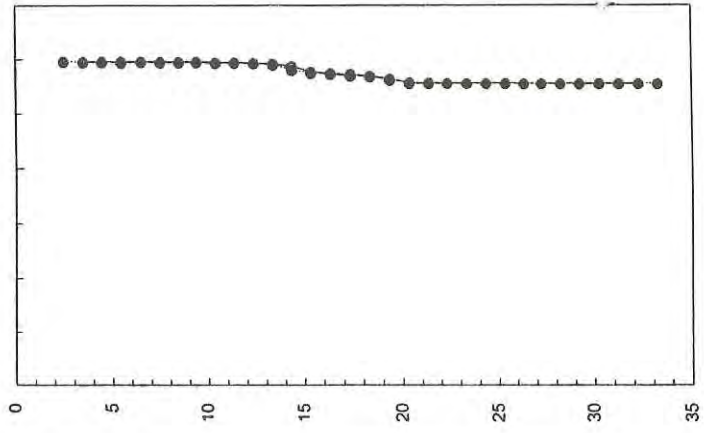
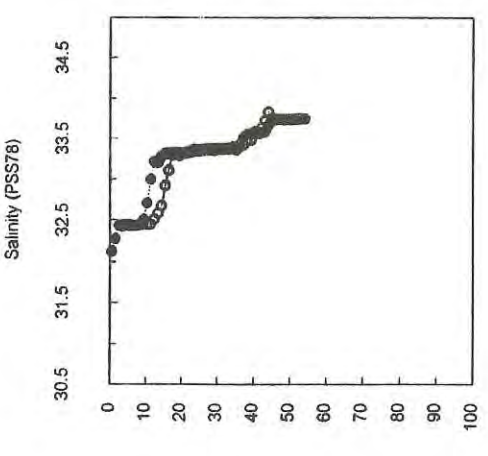
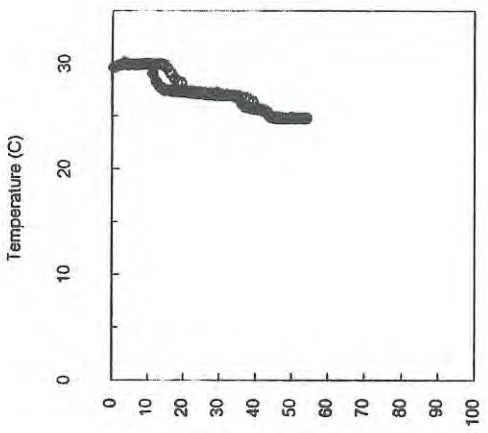
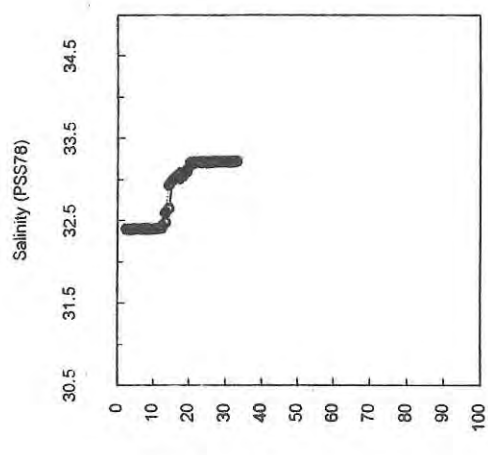
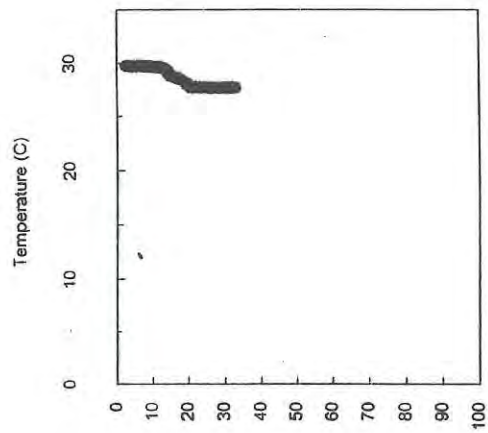
● = Downcast

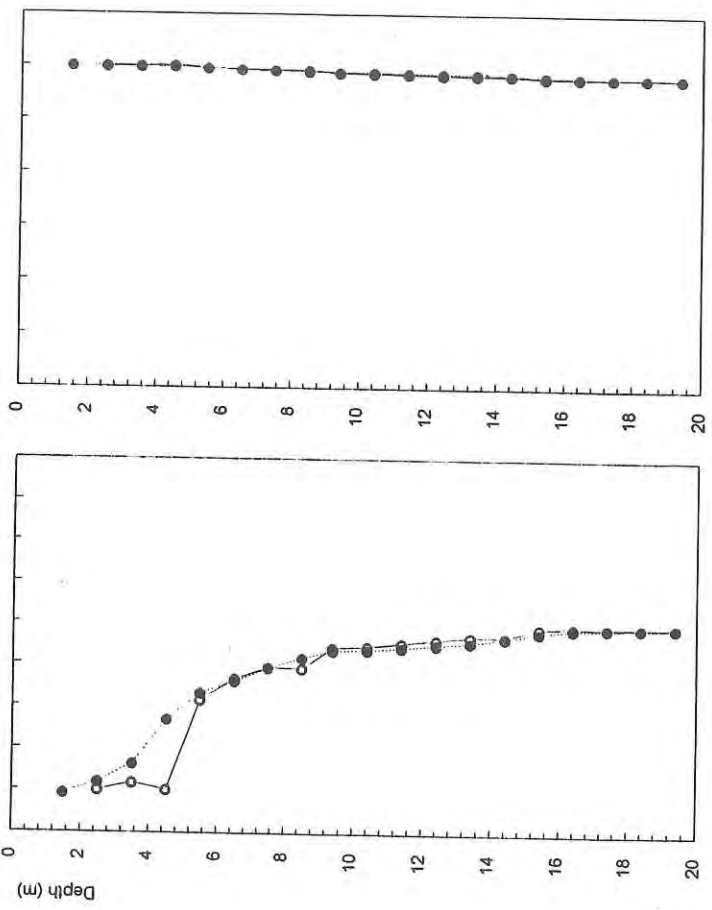
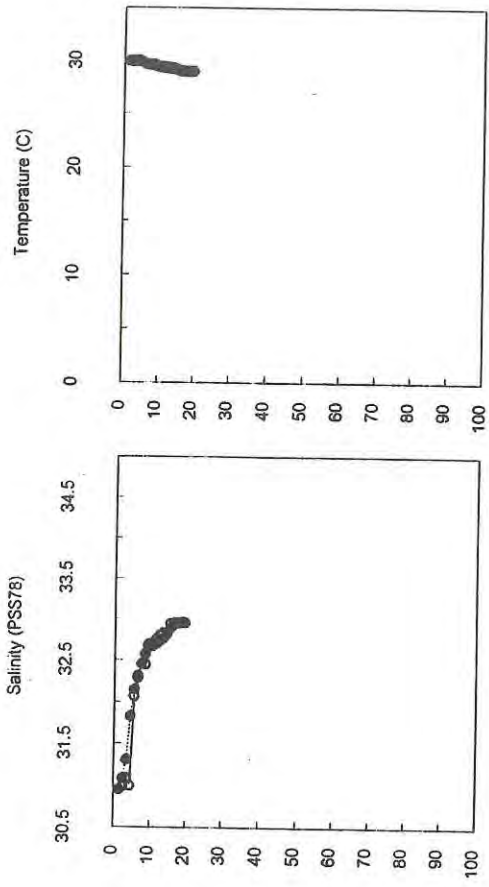
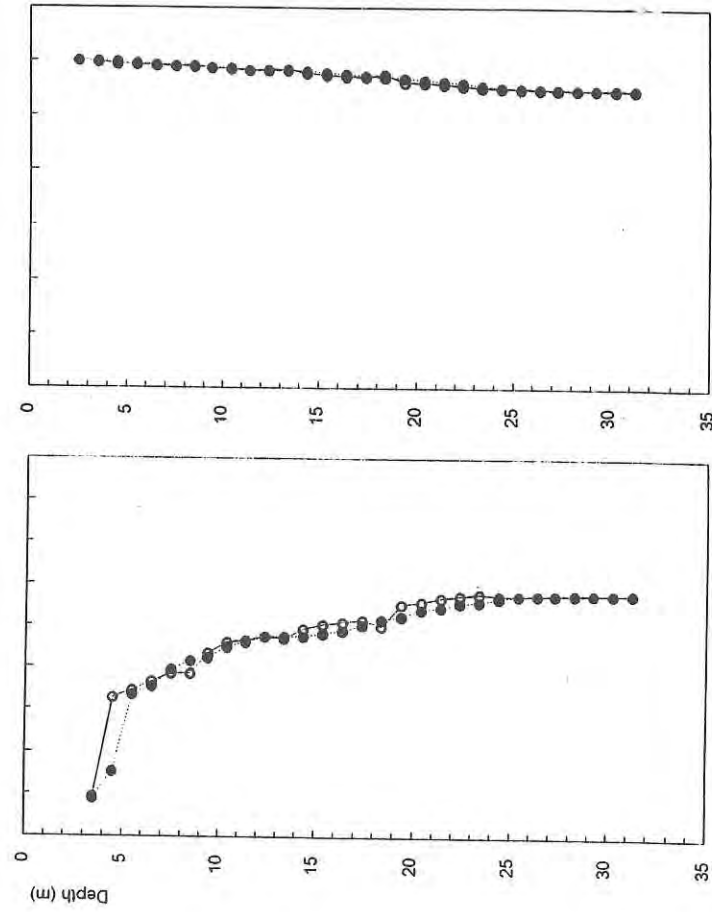
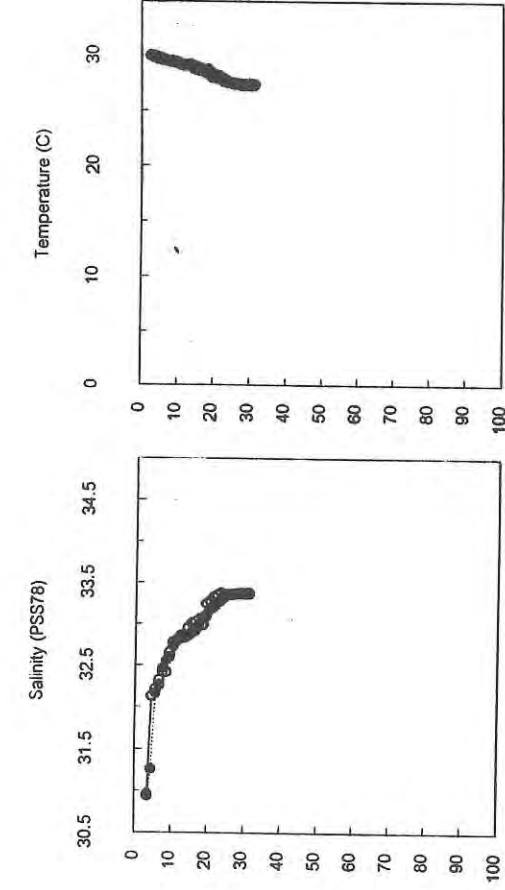


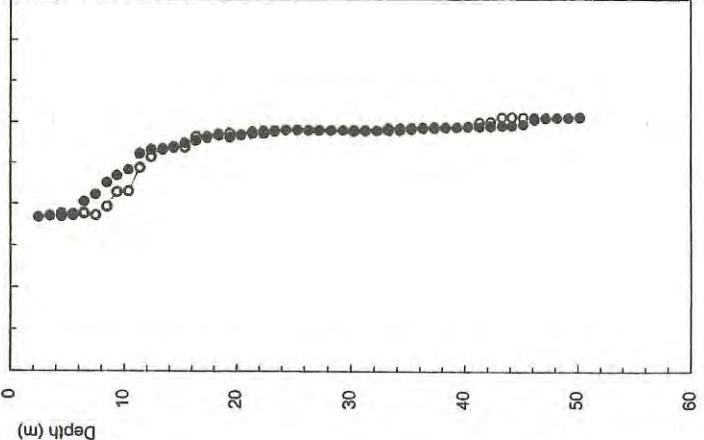
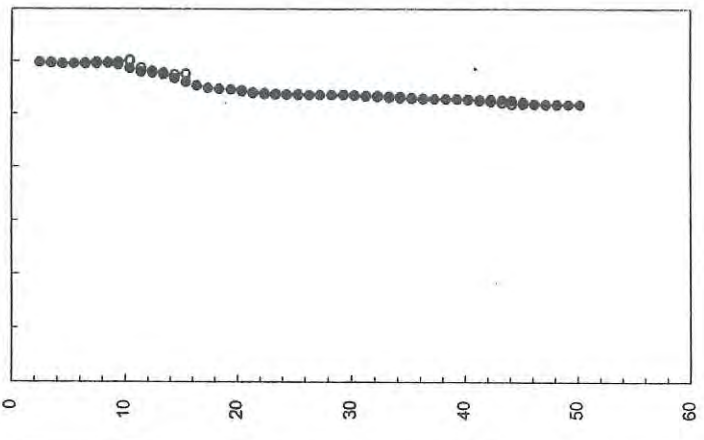
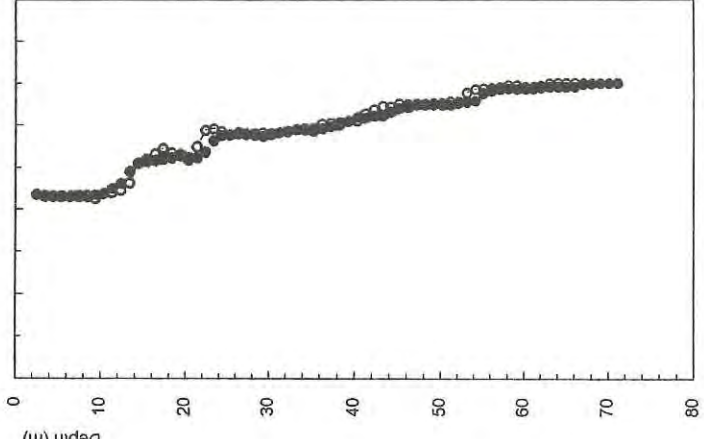
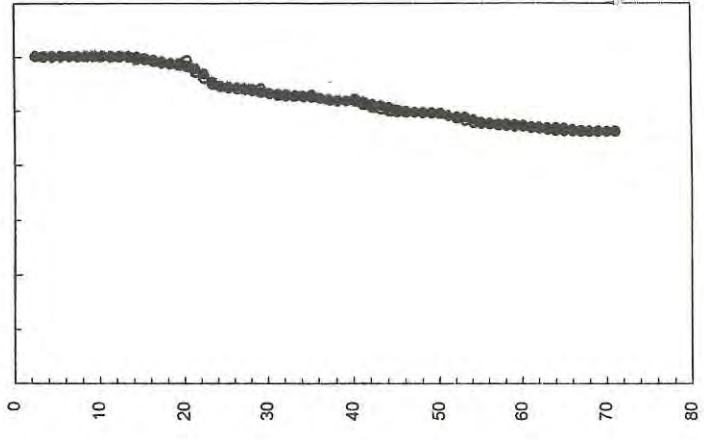
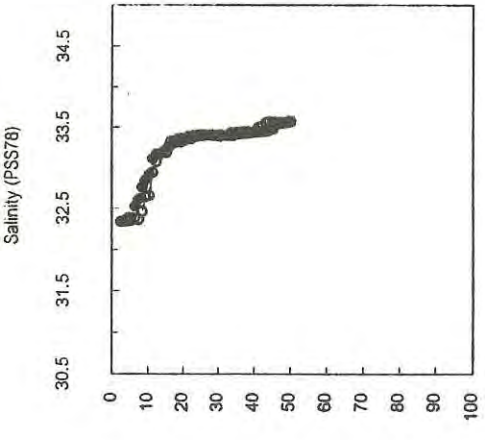
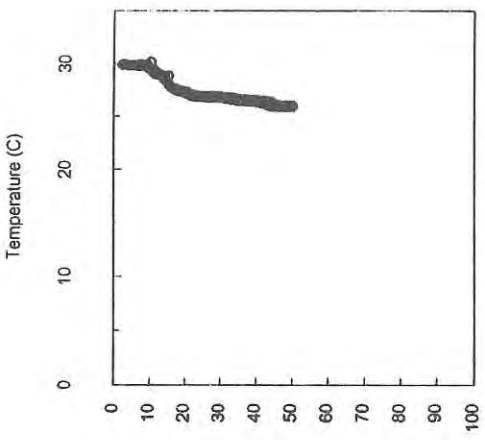
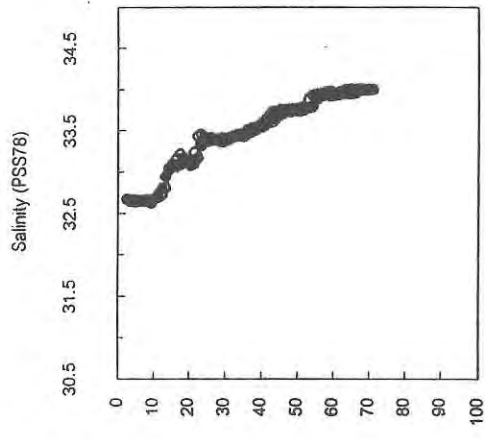
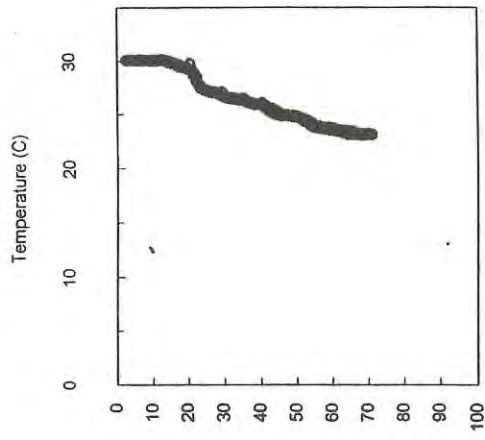
Station 028
 ● = Downcast
 ○ = Upcast

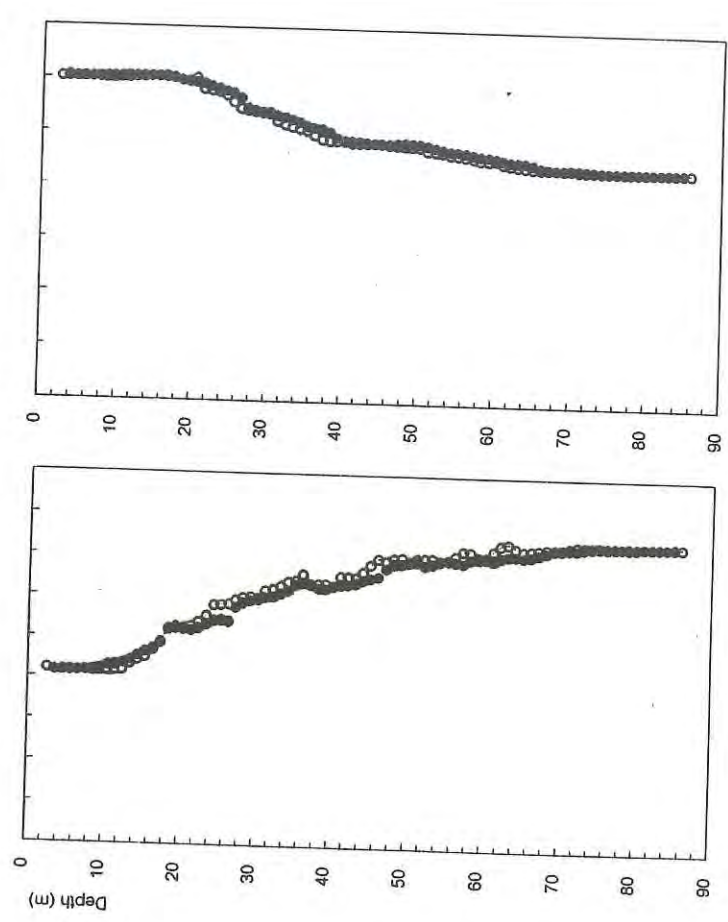
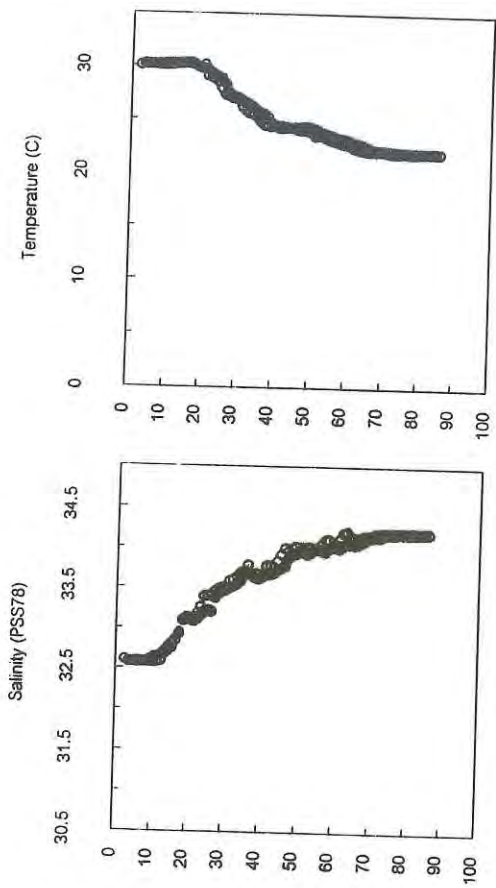


Station 027
 ● = Downcast
 ○ = Upcast







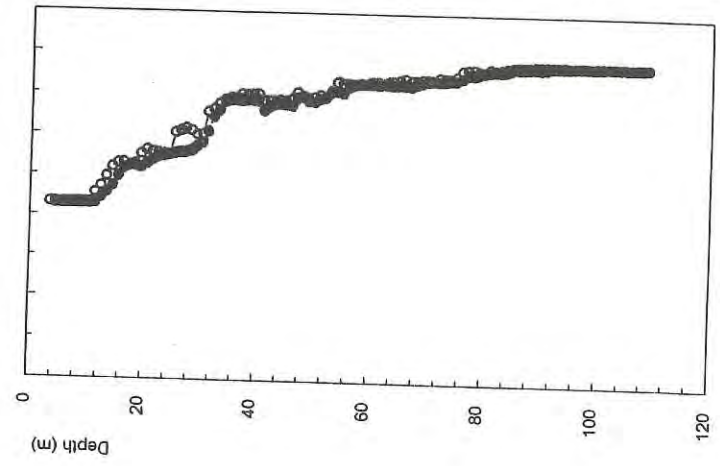
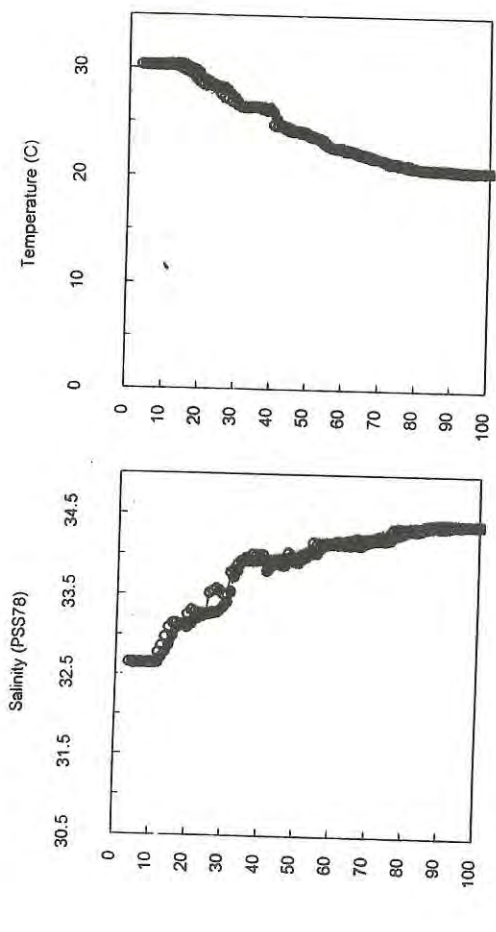


Station 035

● = Downcast

Station 035

○ = Upcast

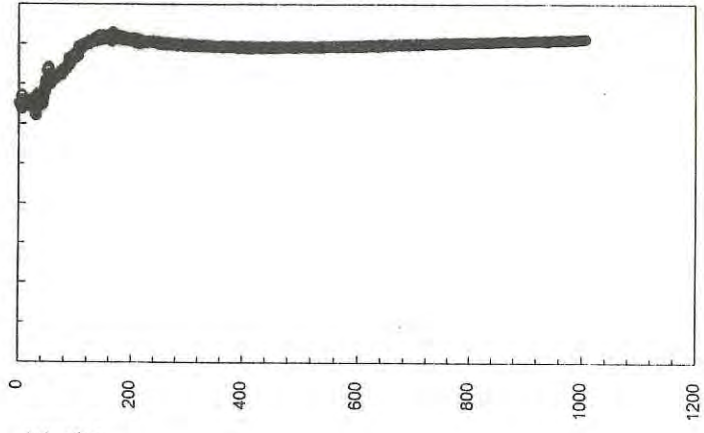
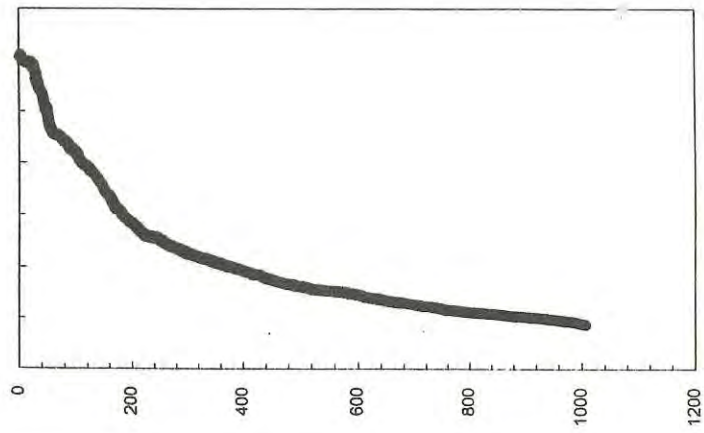
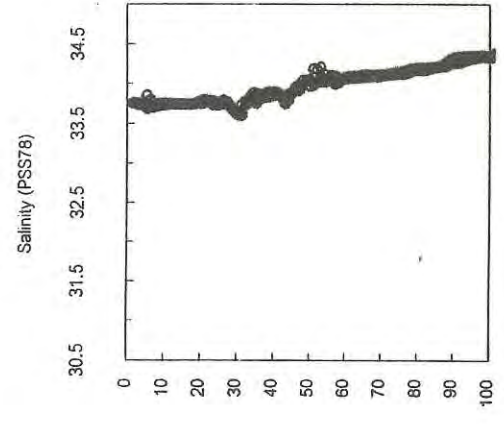
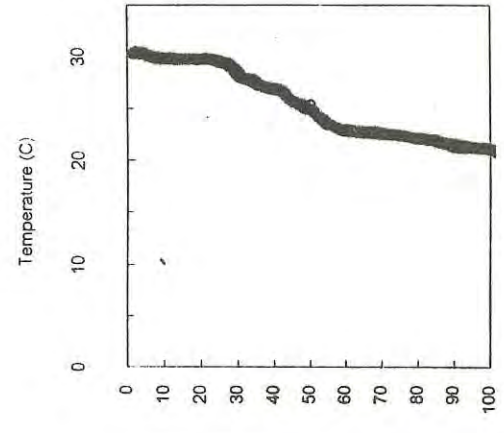


Station 036

● = Downcast

Station 036

○ = Upcast

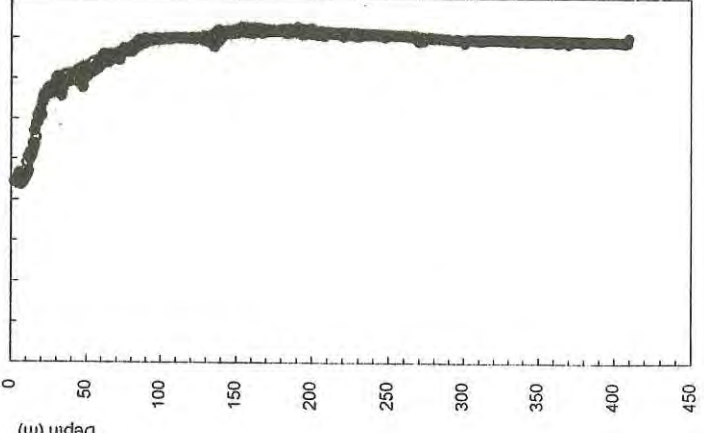
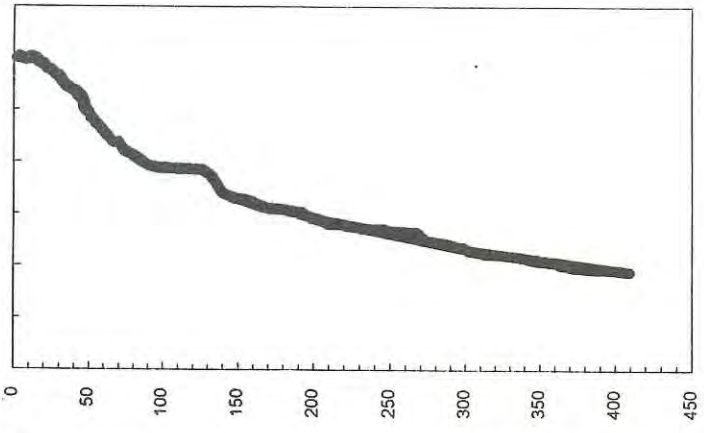
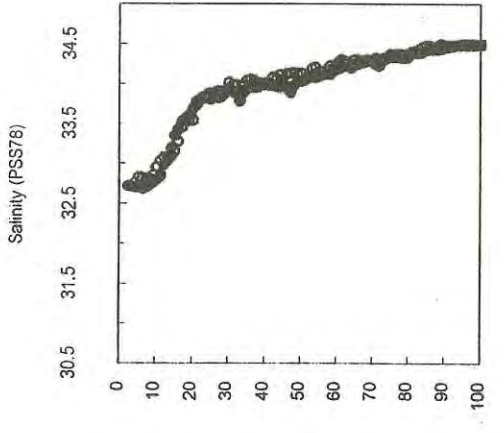
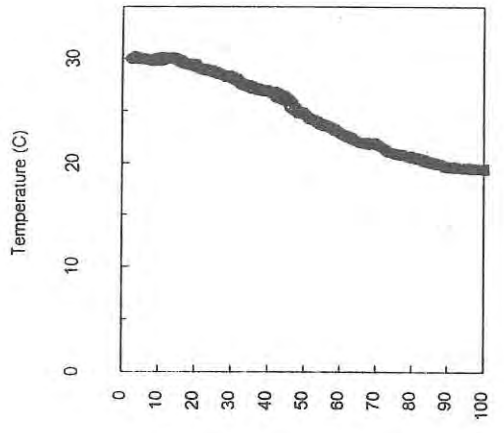


Station 038

o = Upcast

Station 038

● = Downcast

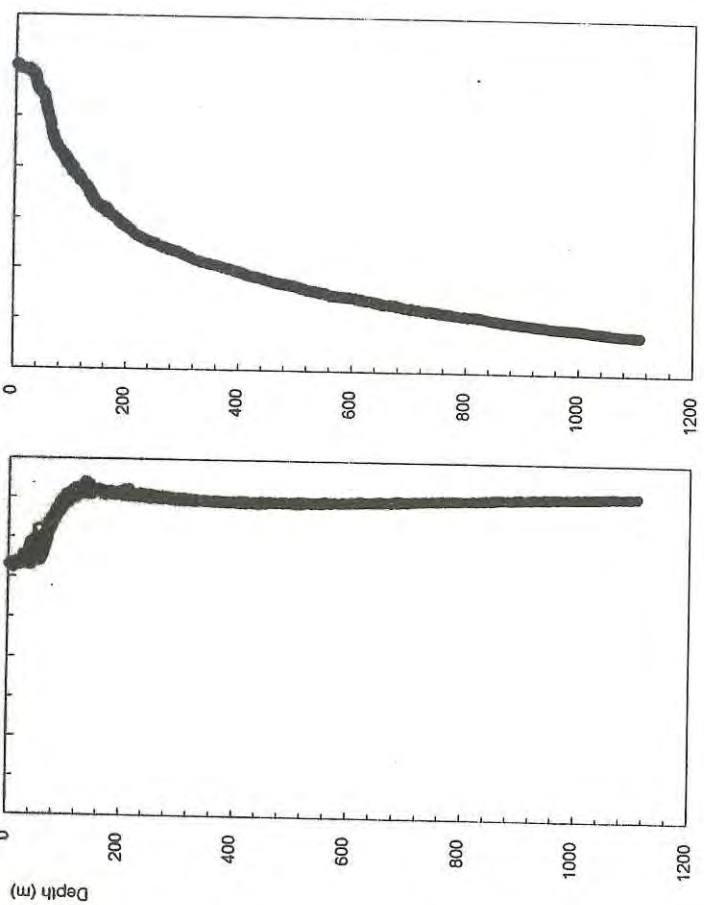
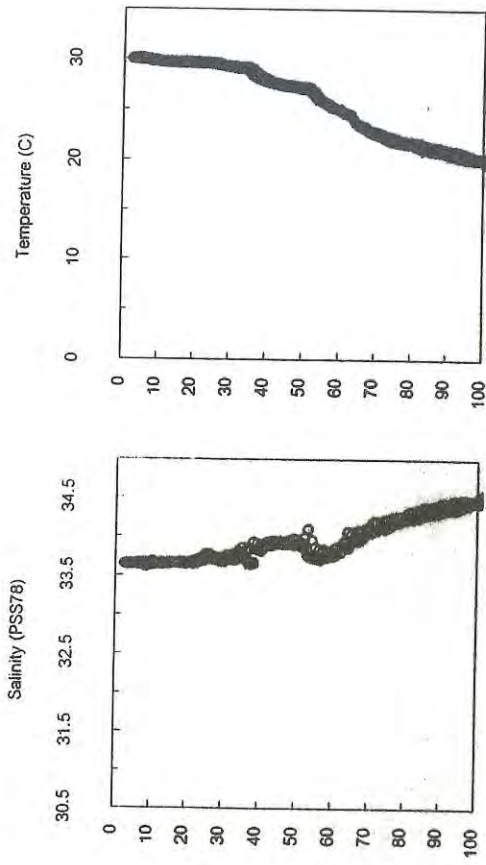


Station 037

o = Upcast

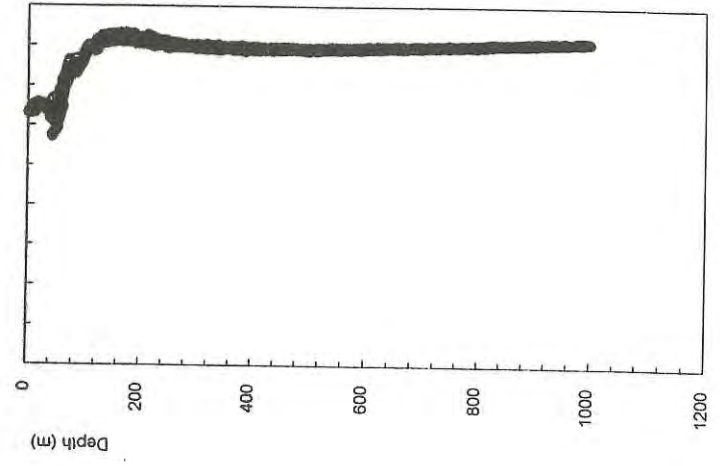
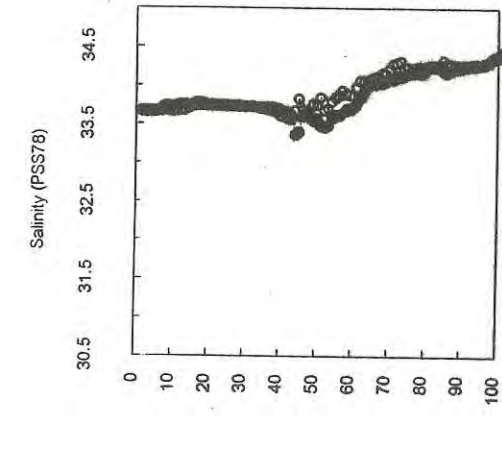
Station 037

● = Downcast



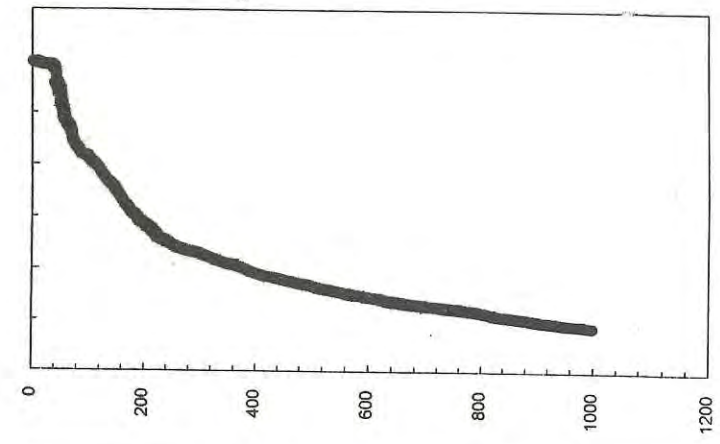
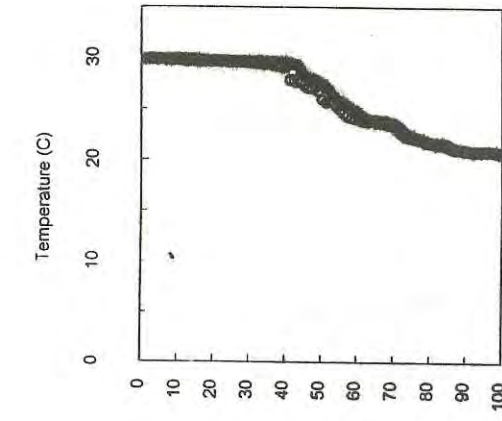
Station 039

● = Downcast



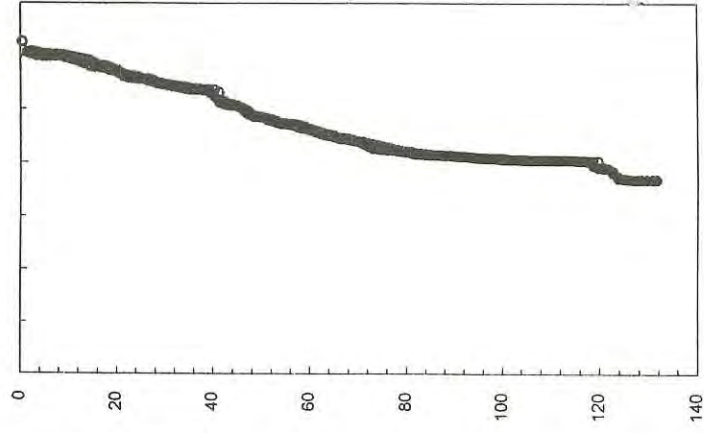
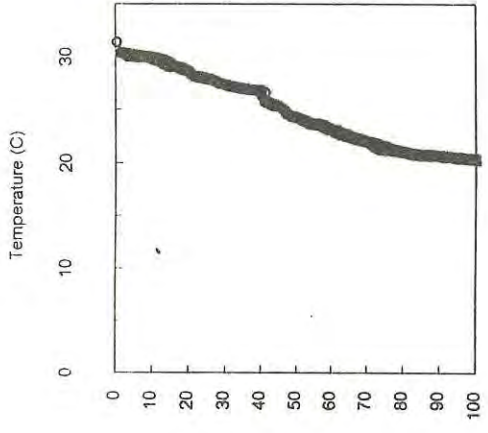
Station 040

● = Downcast



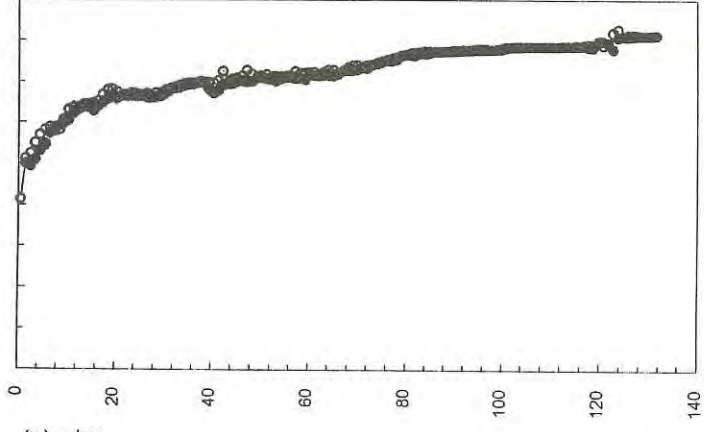
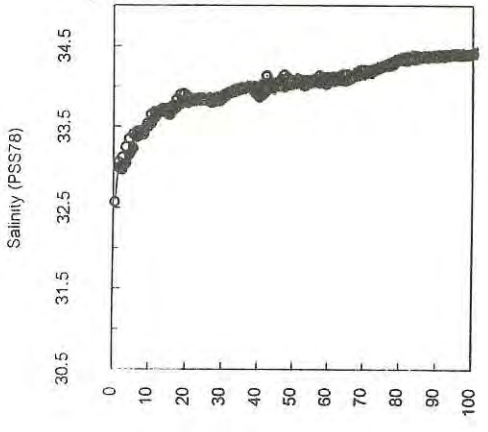
Station 040

○ = Upcast



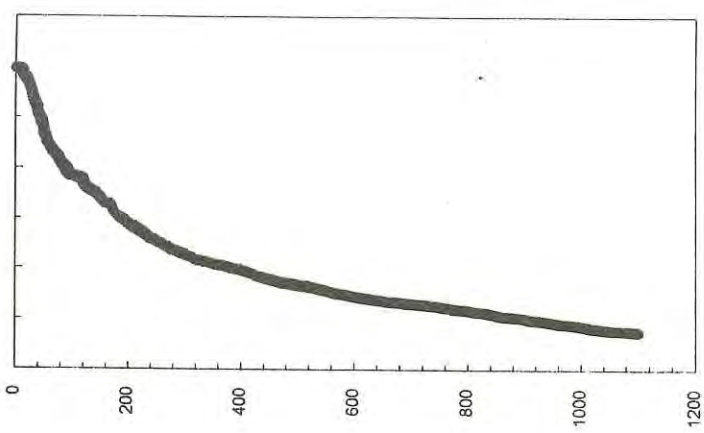
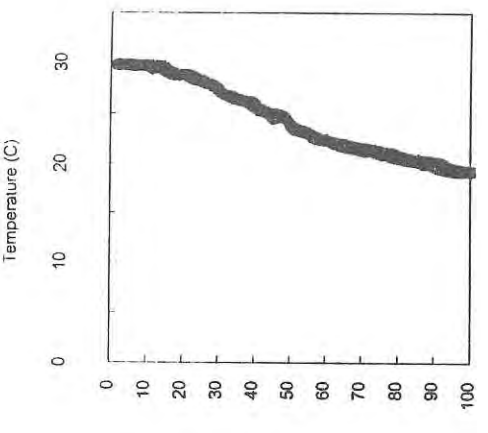
Station 042

o = Upcast



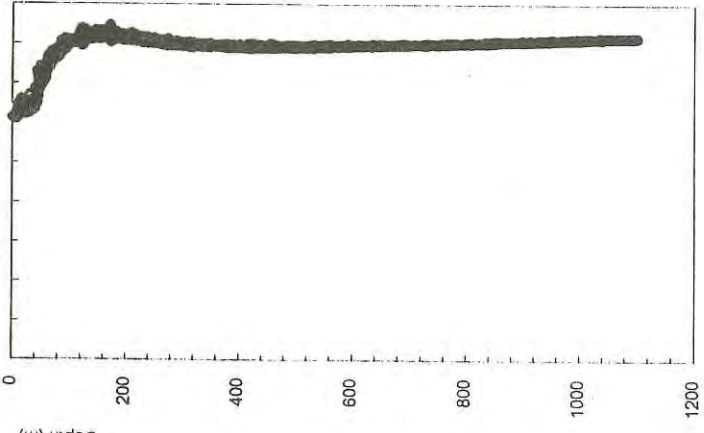
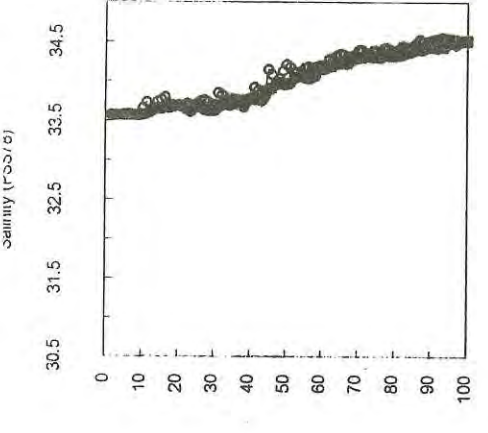
Station 042

● = Downcast



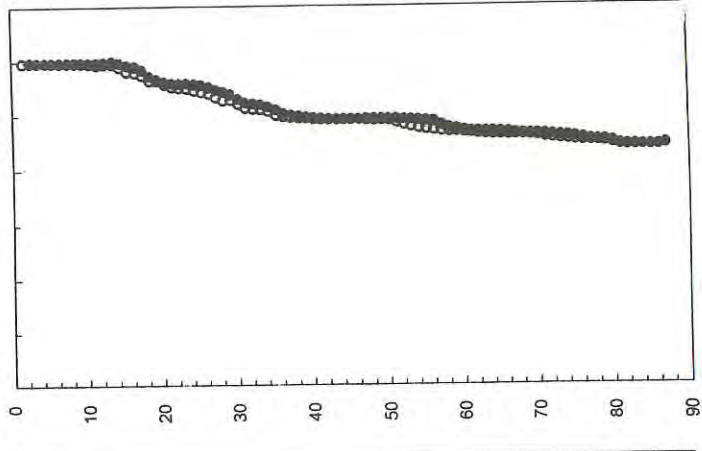
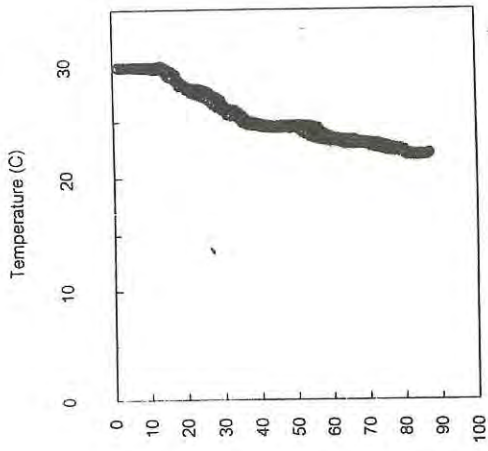
Station 041

o = Upcast



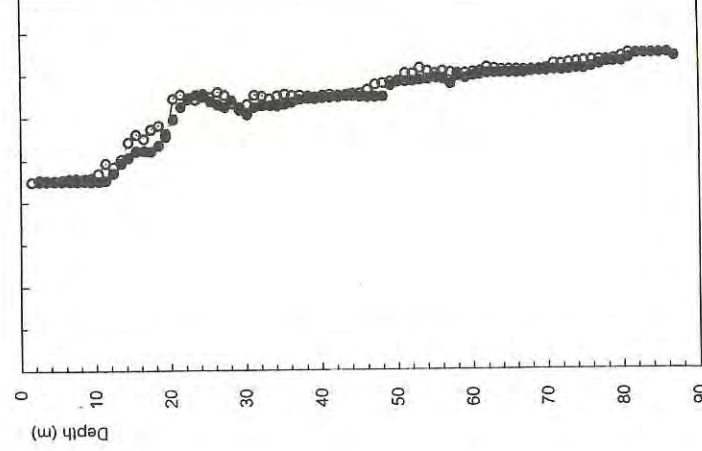
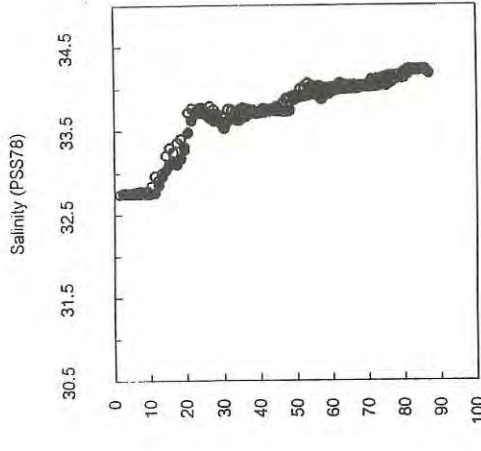
Station 041

● = Downcast



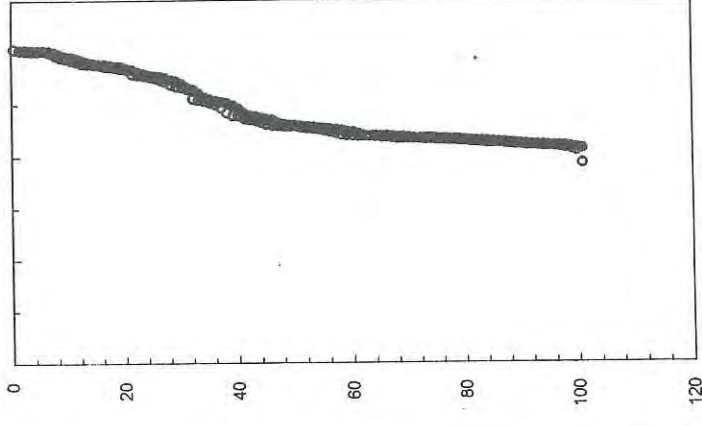
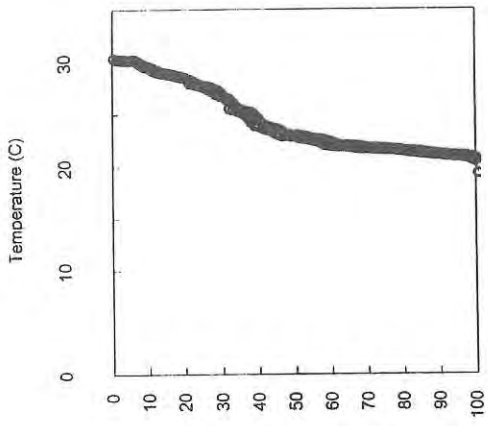
Station 044

o = Upcast



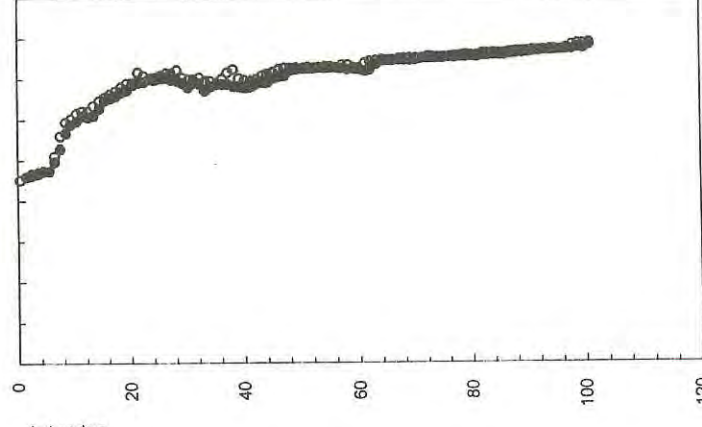
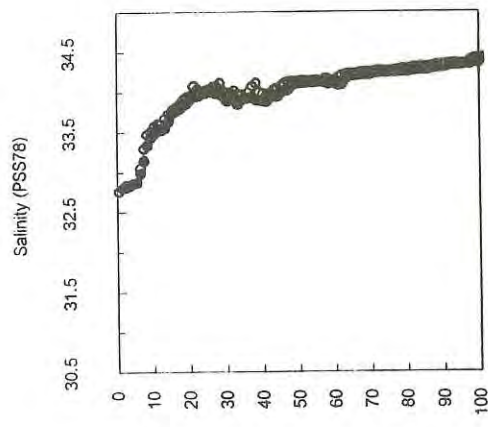
Station 044

● = Downcast



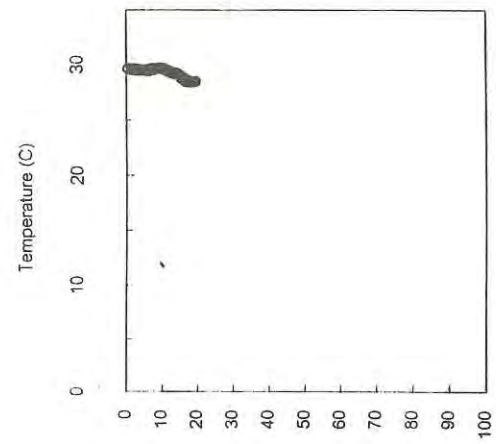
Station 043

o = Upcast



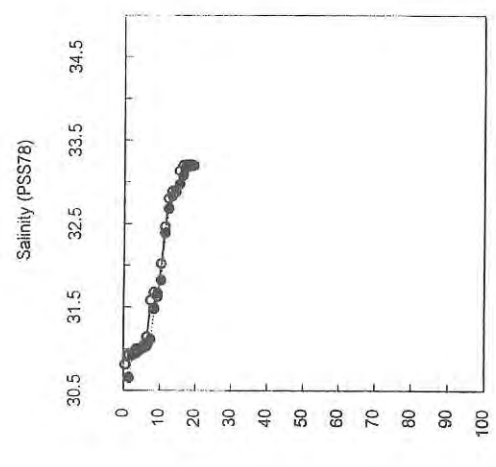
Station 043

● = Downcast



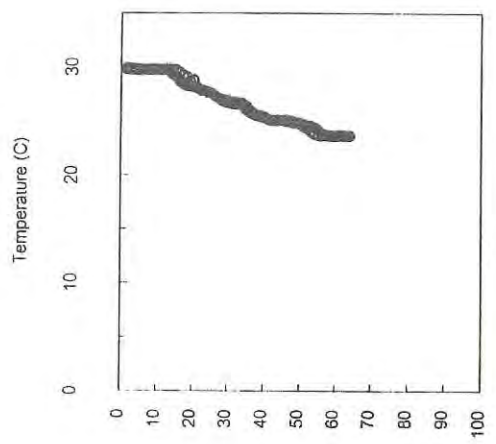
Station 046

o = Upcast
● = Downcast



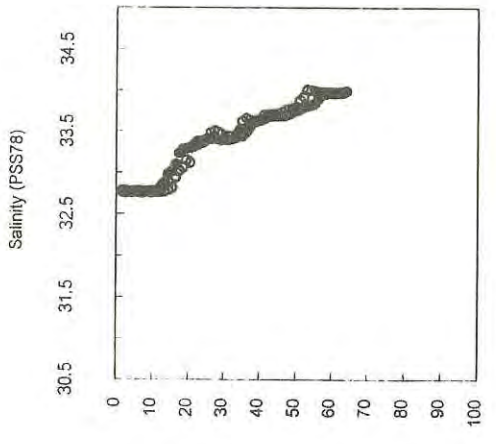
Station 046

● = Downcast
o = Upcast



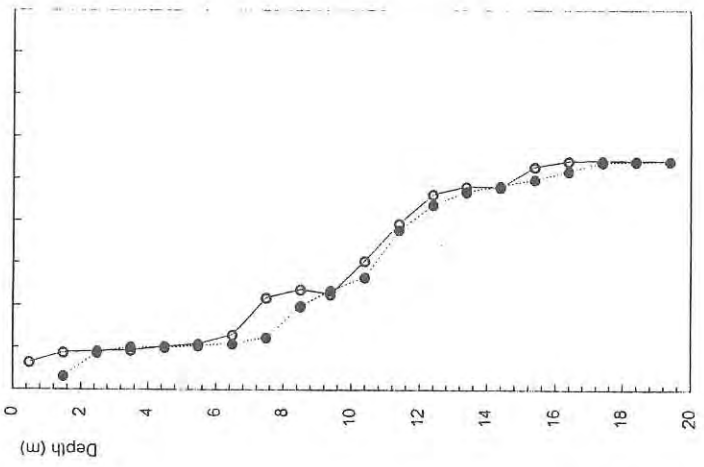
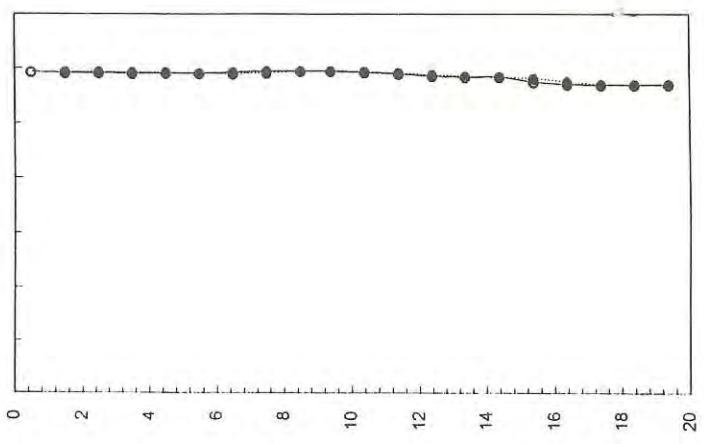
Station 045

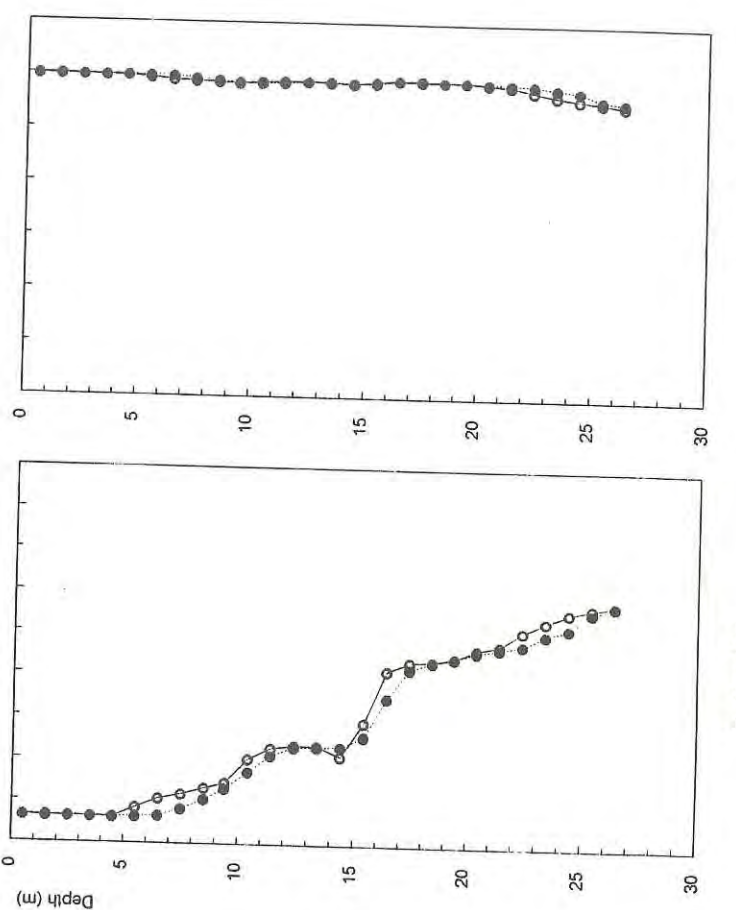
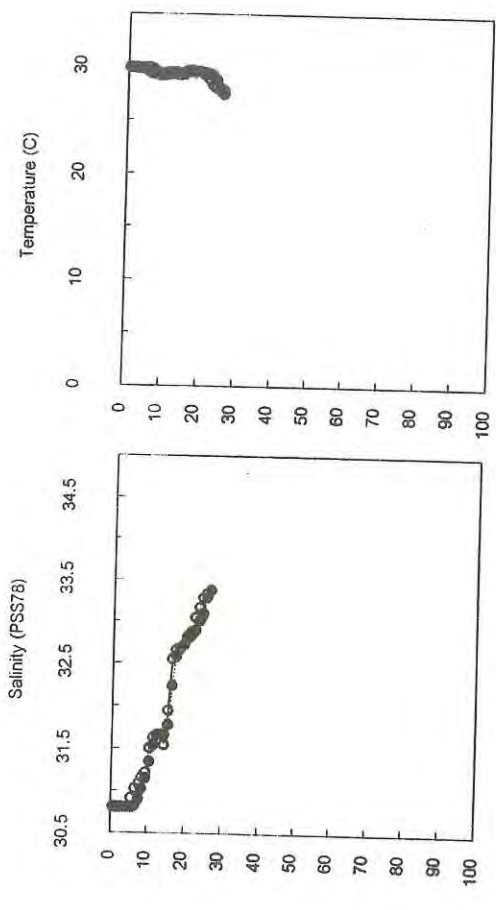
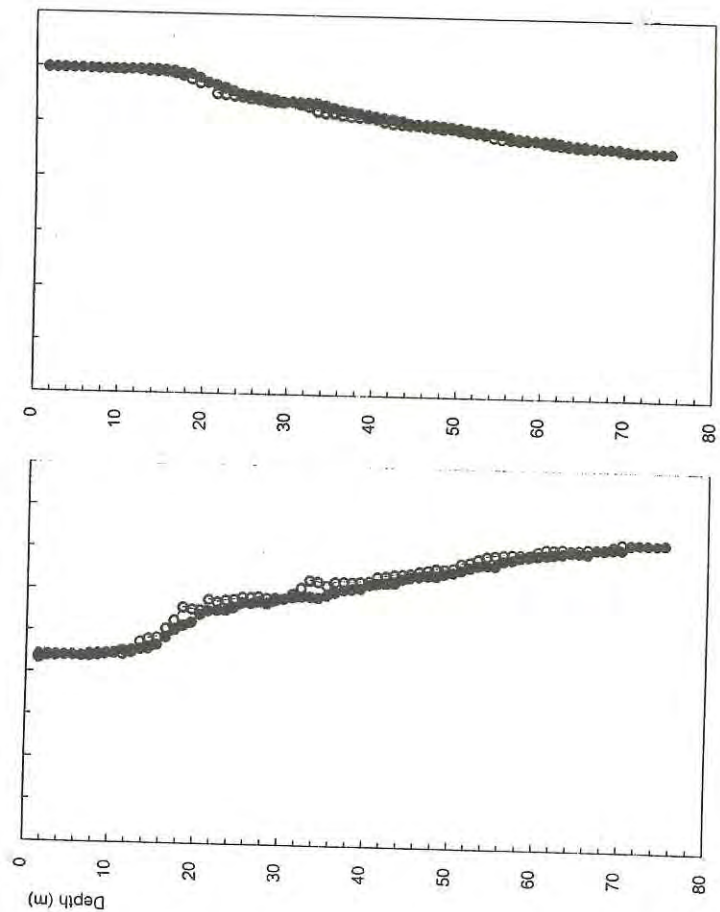
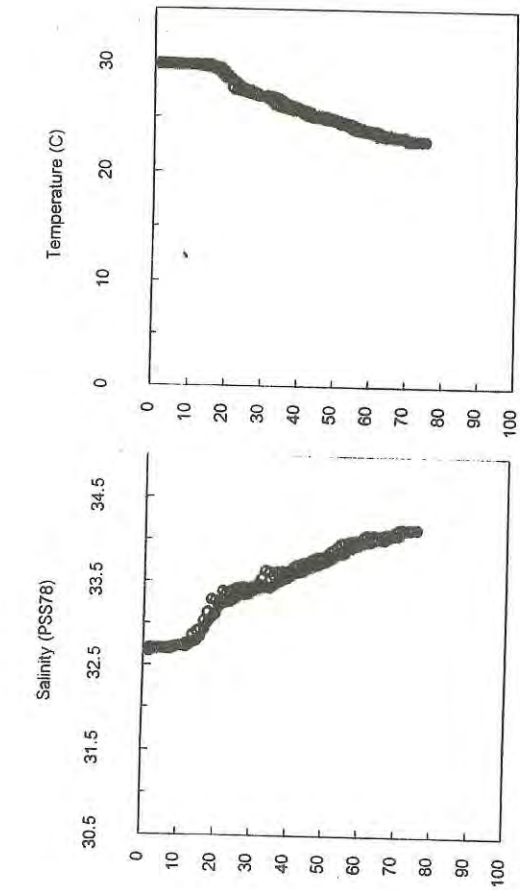
o = Upcast
● = Downcast

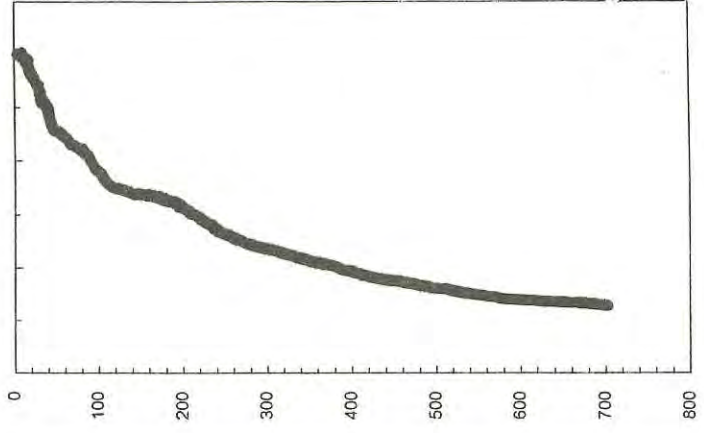
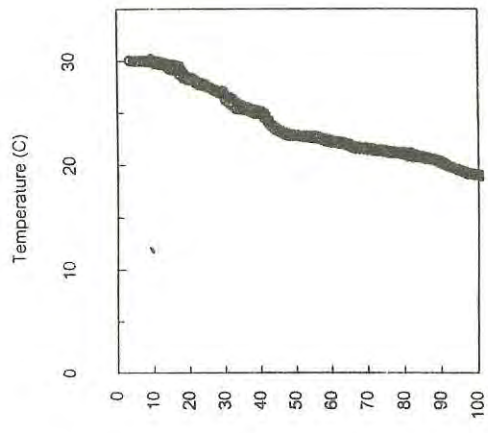


Station 045

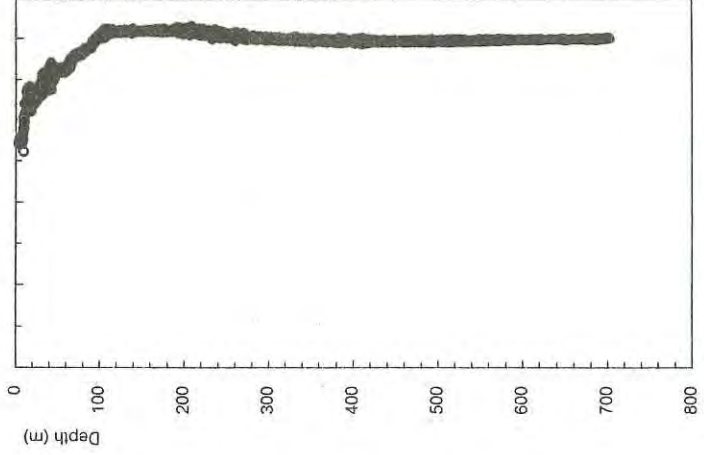
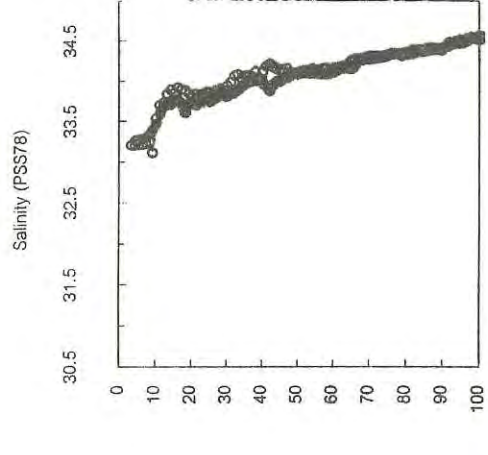
● = Downcast
o = Upcast



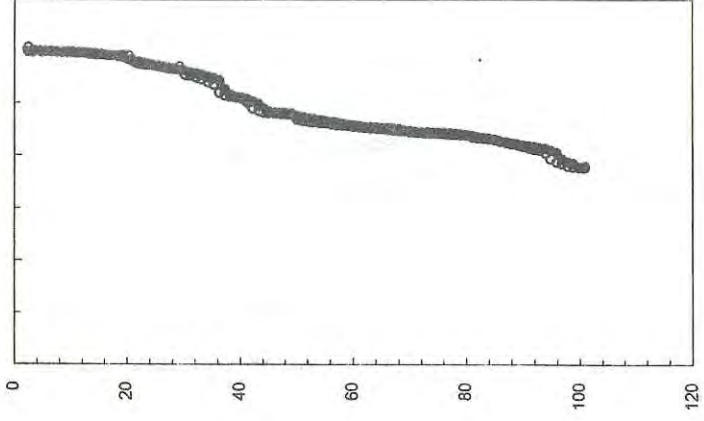
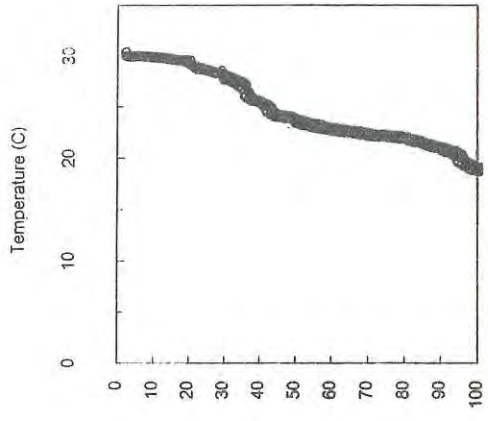




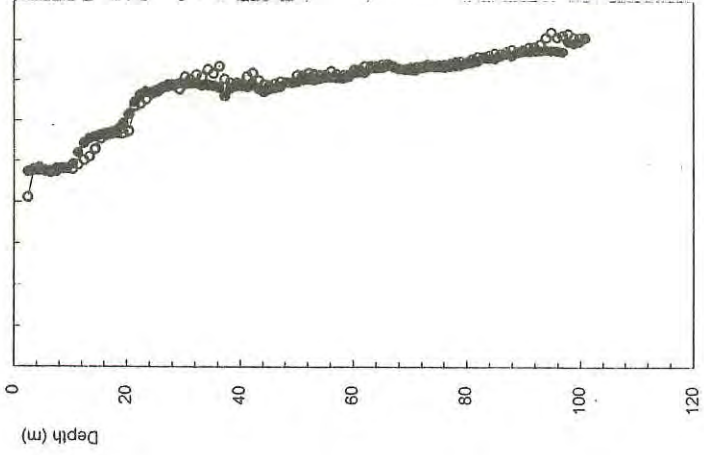
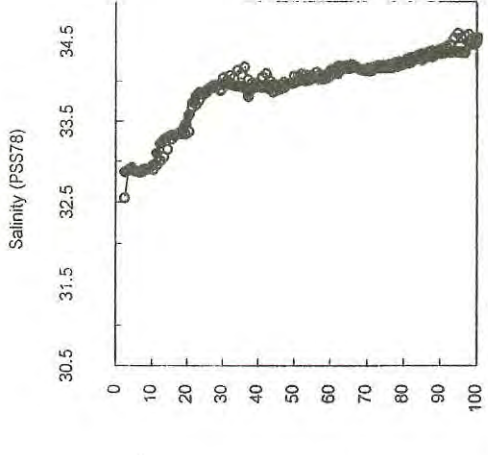
Station 050
o = Upcast



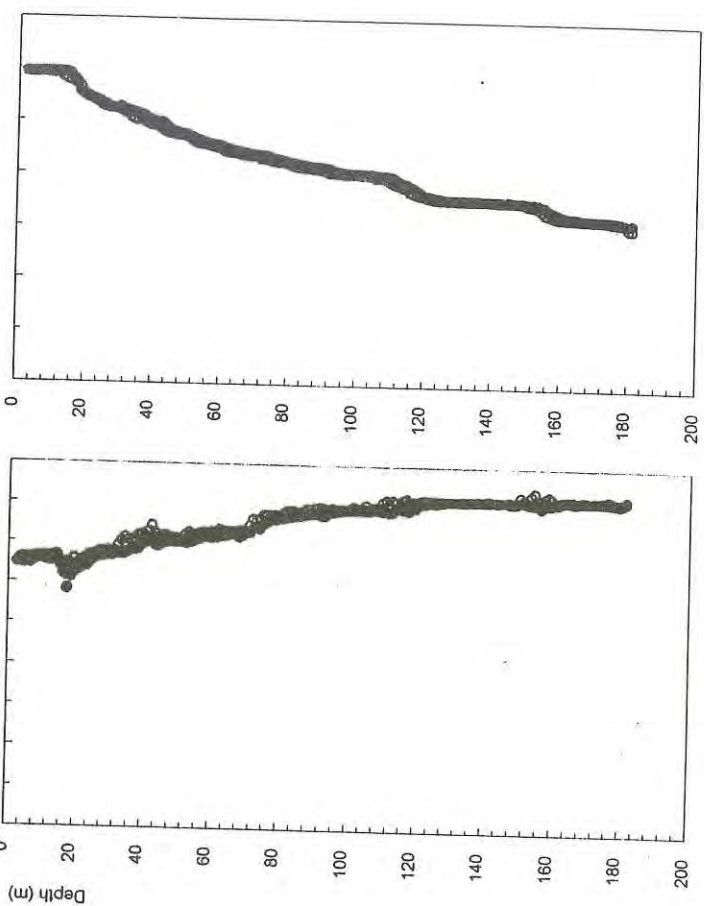
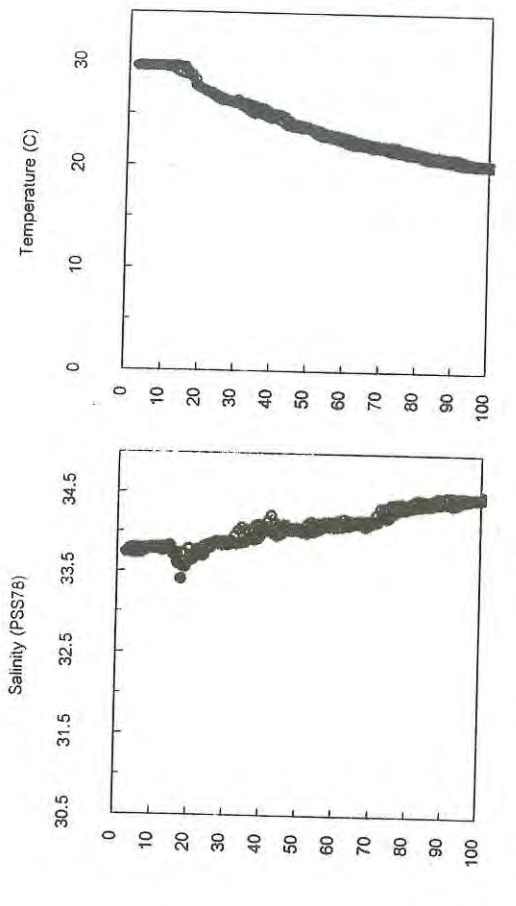
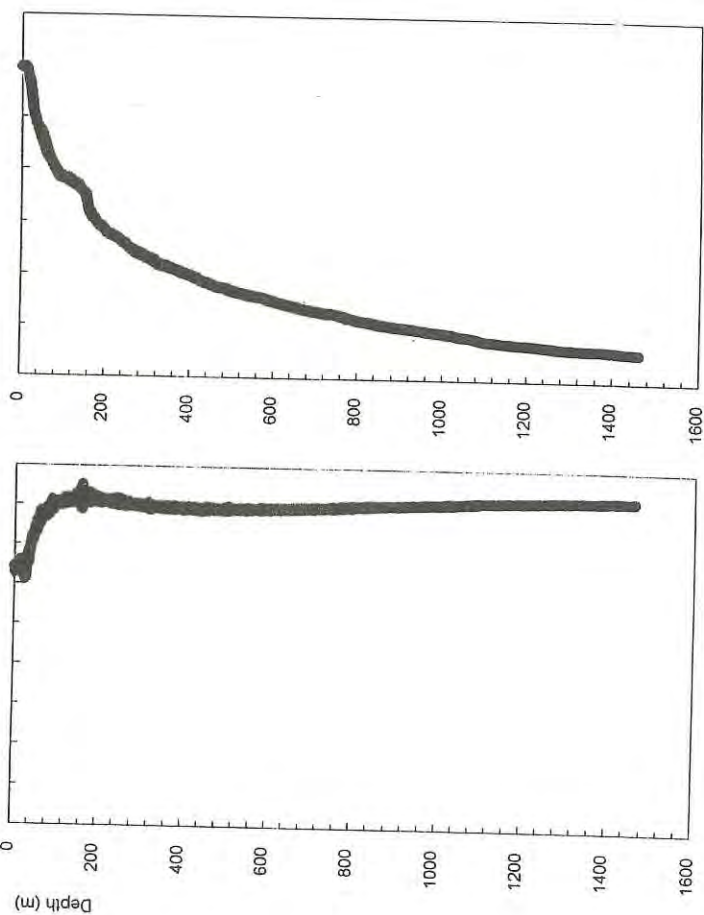
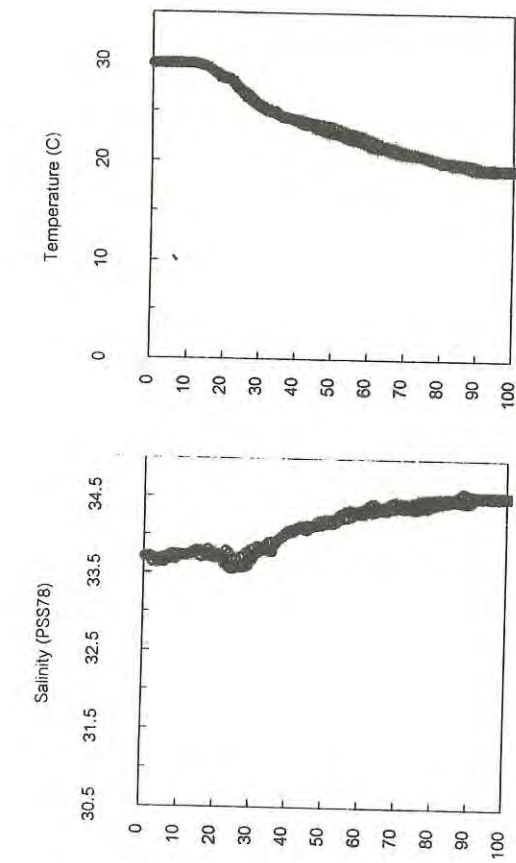
Station 050
● = Downcast



Station 049
o = Upcast

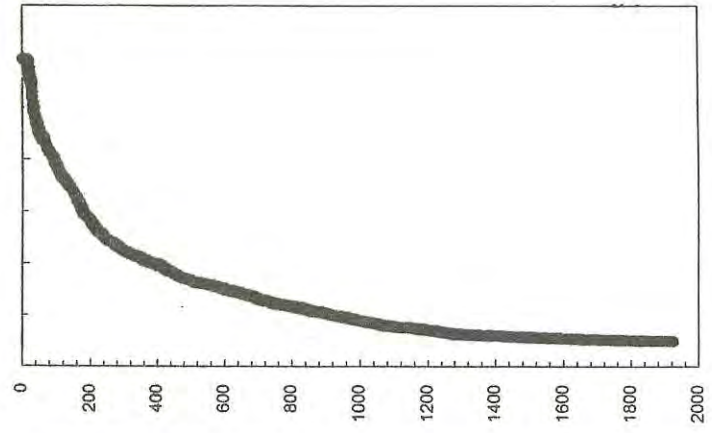
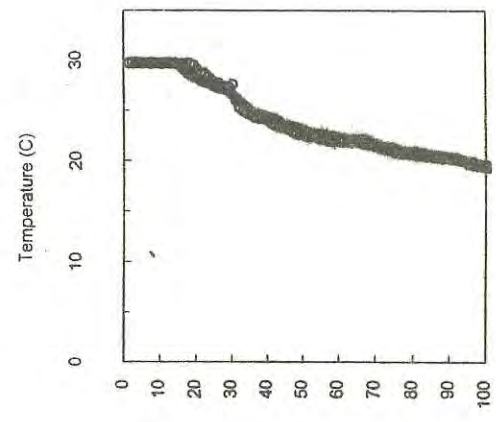


Station 049
● = Downcast



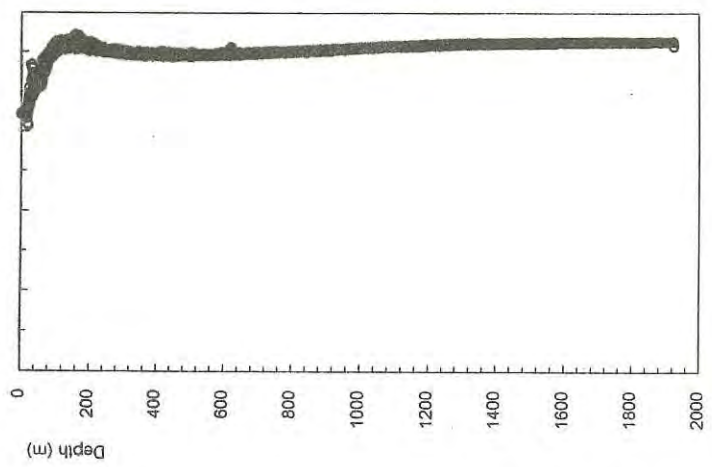
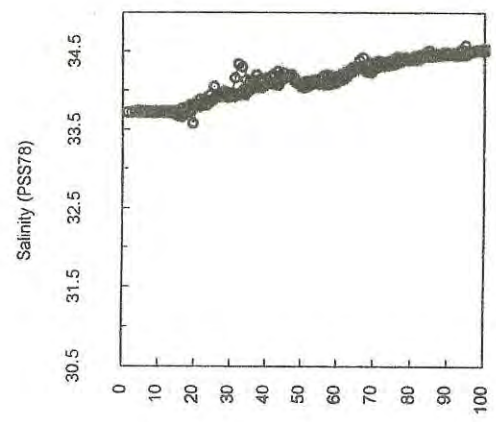
Station 052
 ● = Downcast
 ○ = Upcast

Station 051
 ● = Downcast
 ○ = Upcast



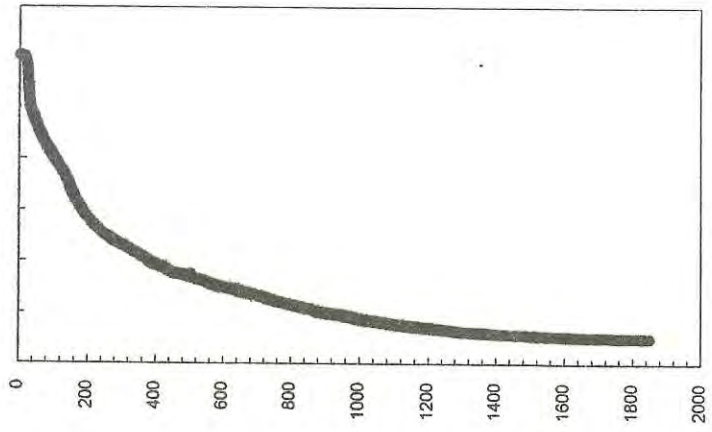
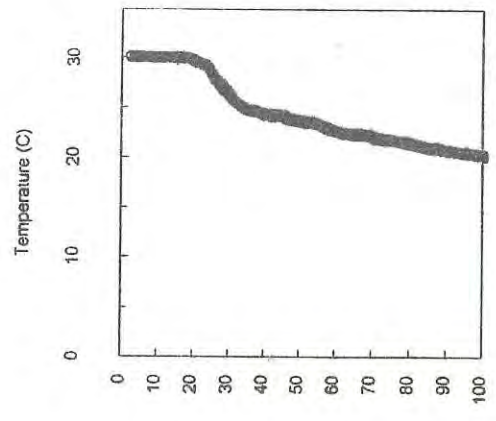
Station 054

o = Upcast



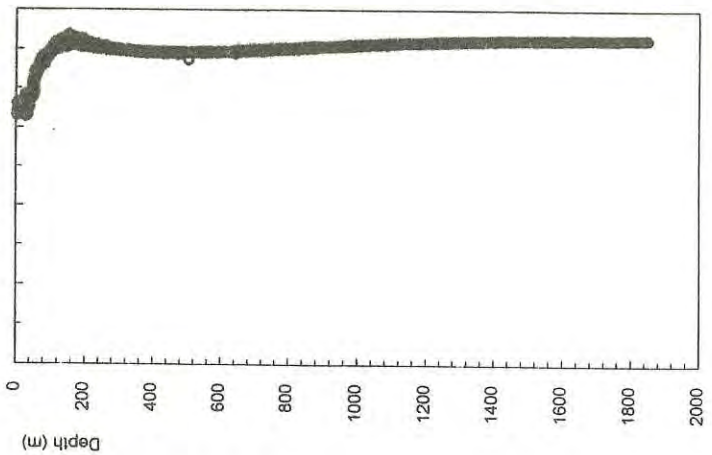
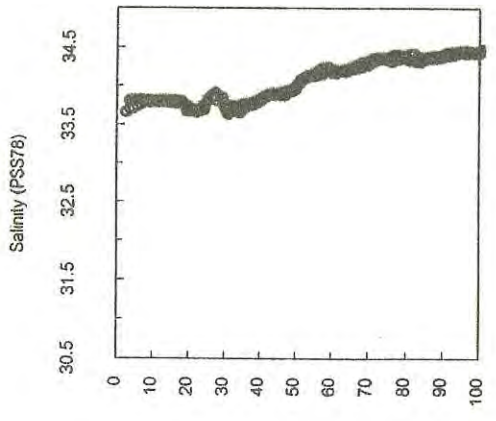
Station 054

● = Downcast



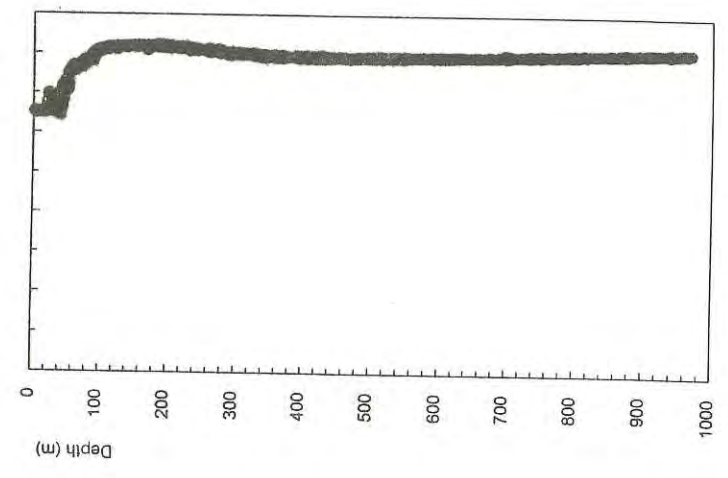
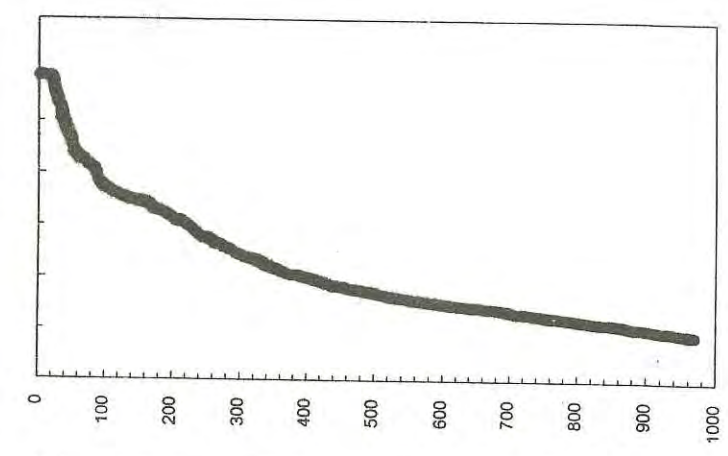
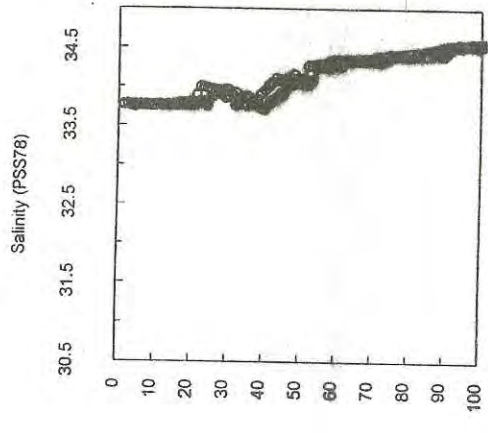
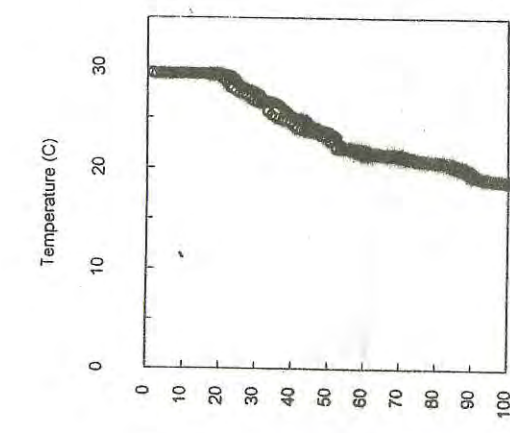
Station 053

o = Upcast



Station 053

● = Downcast

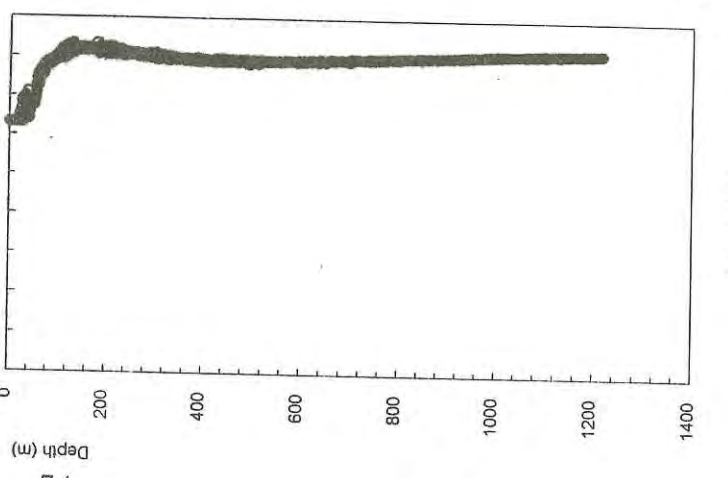
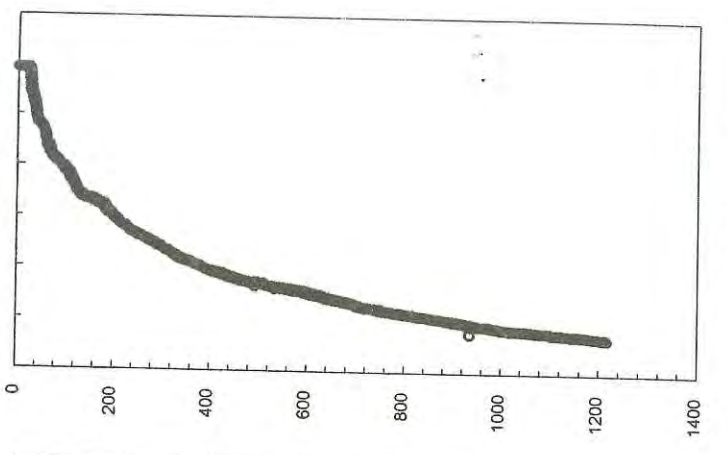
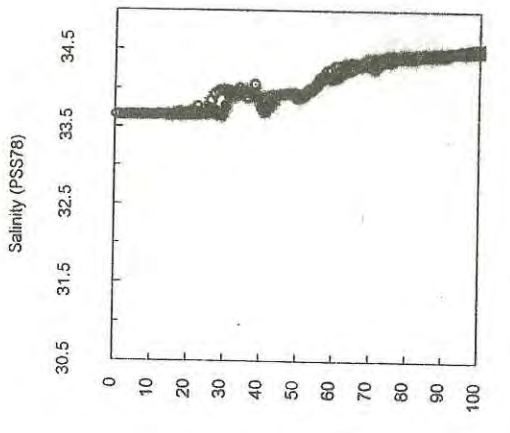
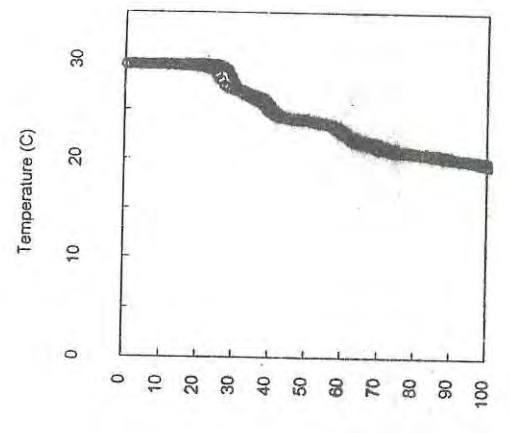


Station 056

o = Upcast

Station 056

● = Downcast

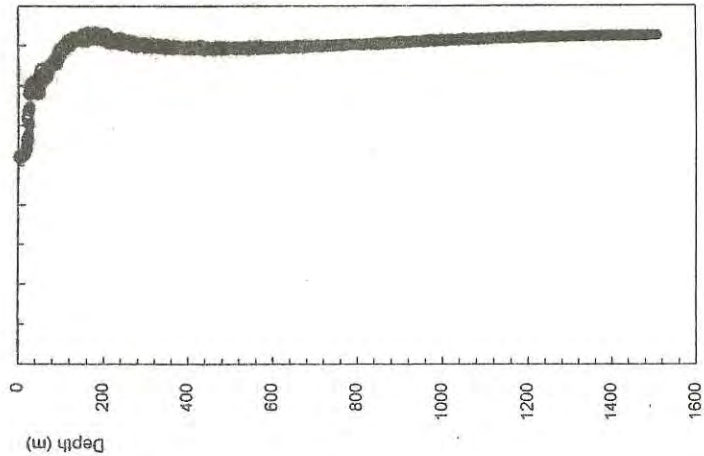
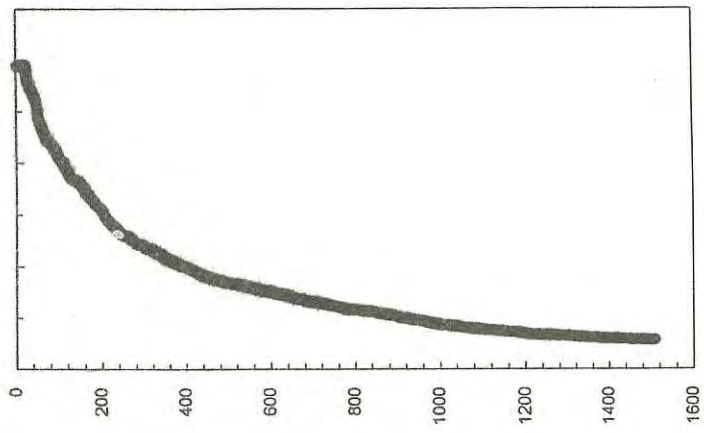
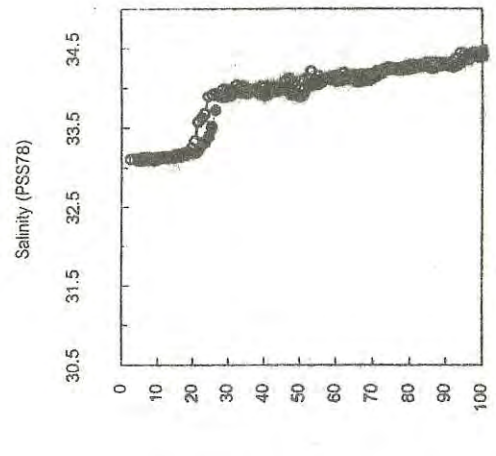
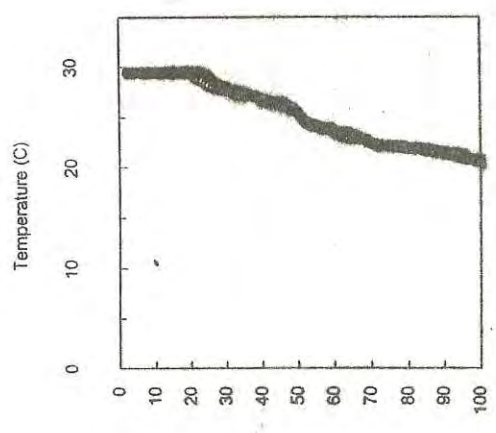


Station 055

o = Upcast

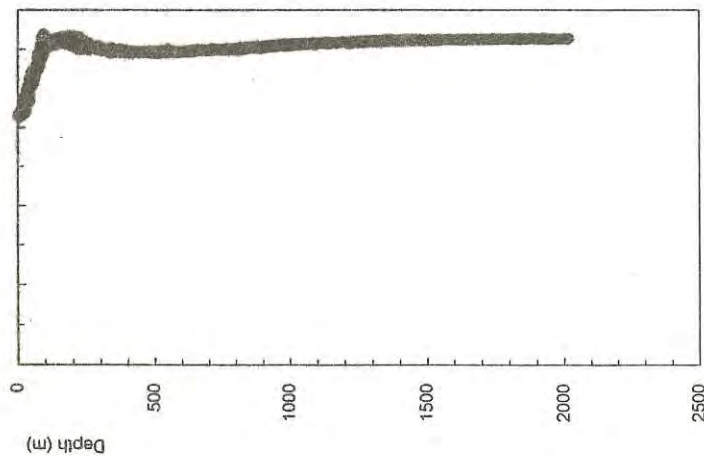
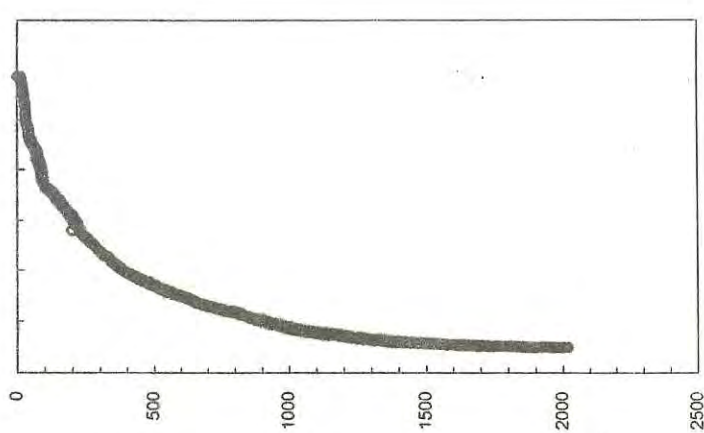
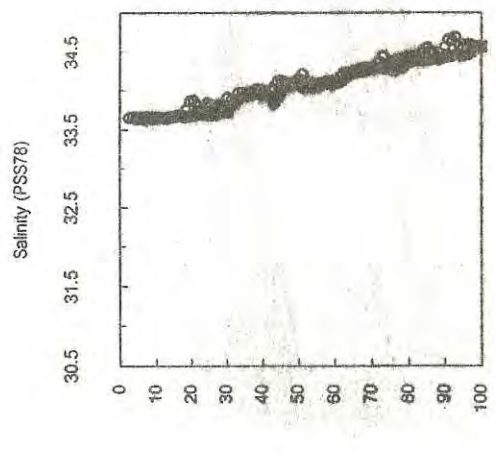
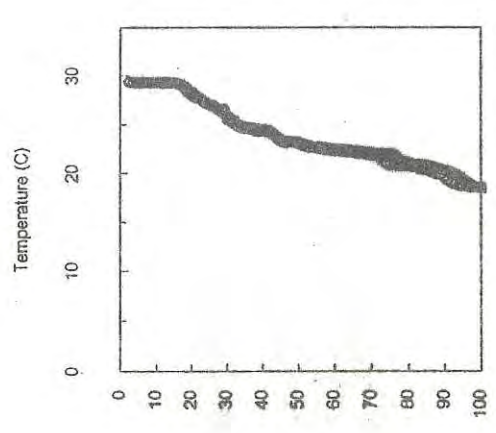
Station 055

● = Downcast



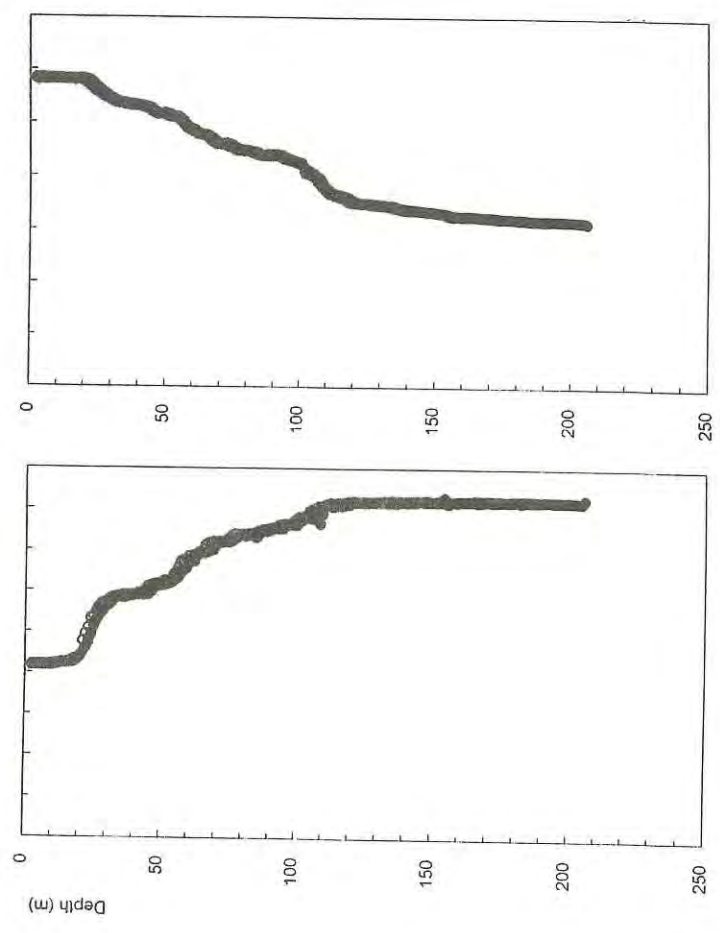
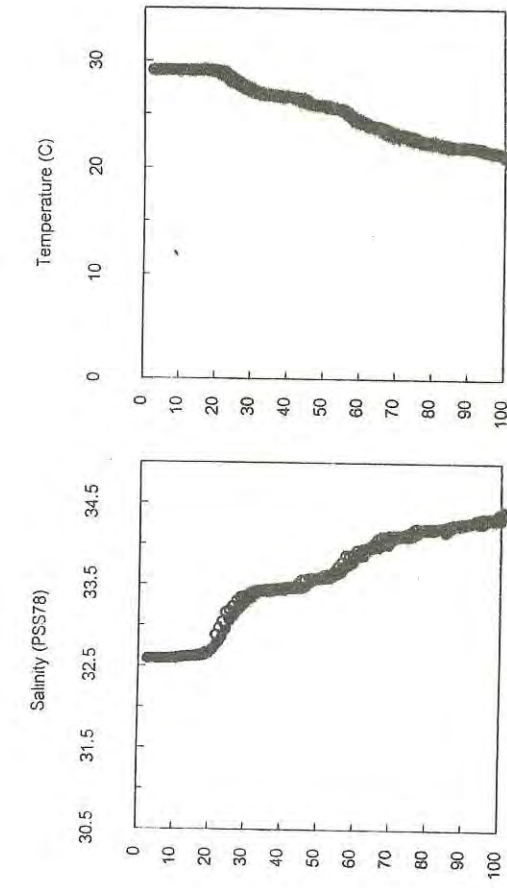
Station 058
o = Upcast

Station 058
● = Downcast

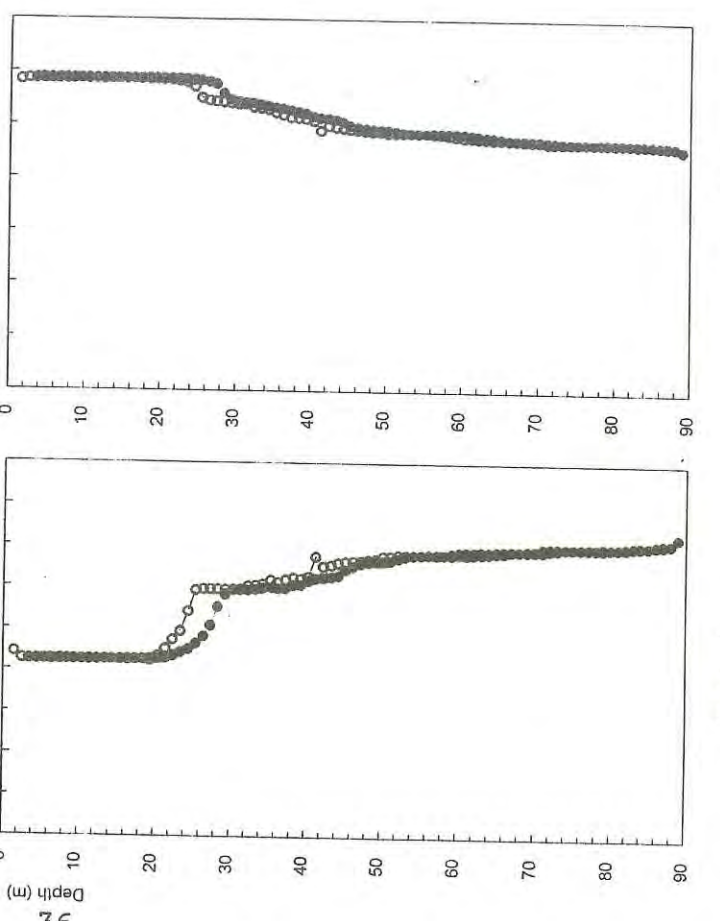
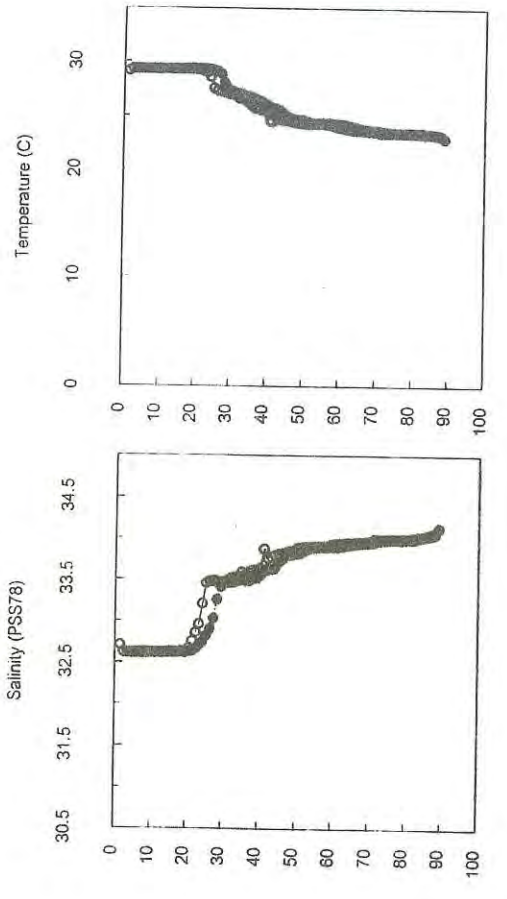


Station 057
o = Upcast

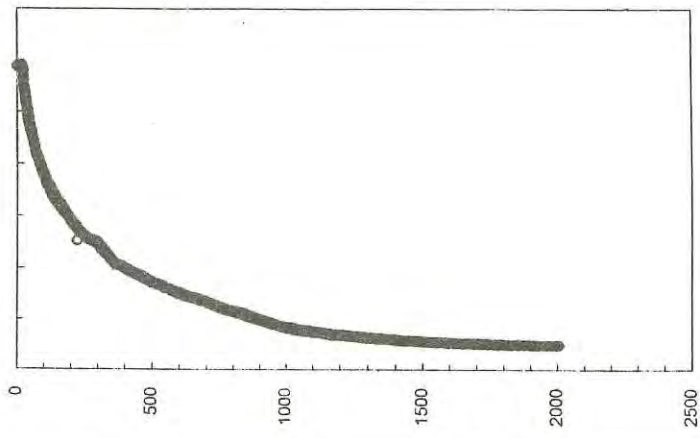
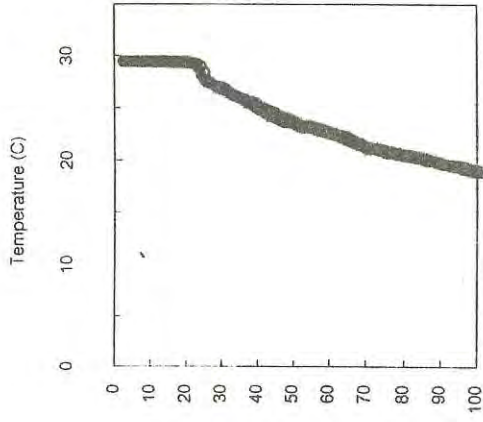
Station 057
● = Downcast



Station 060
 o = Upcast
 ● = Downcast

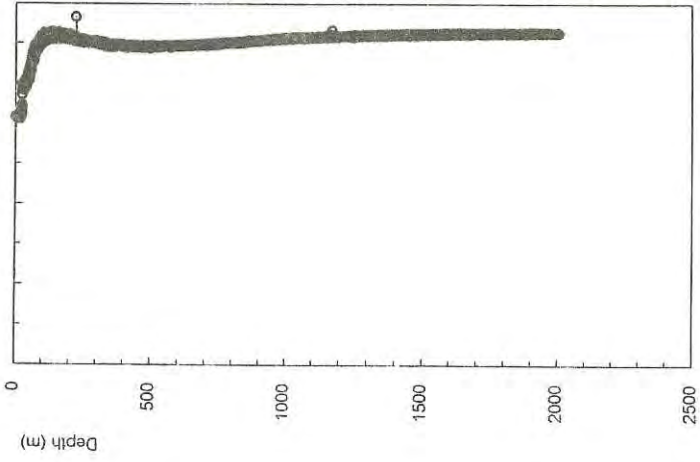
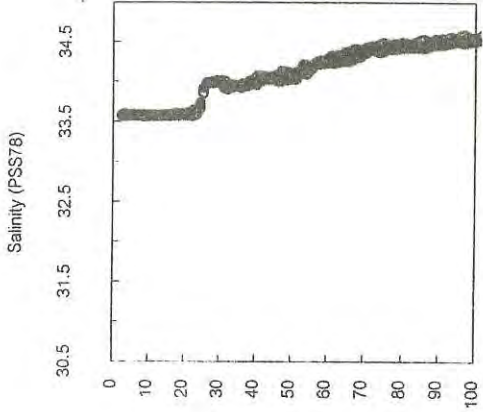


Station 059
 o = Upcast
 ● = Downcast



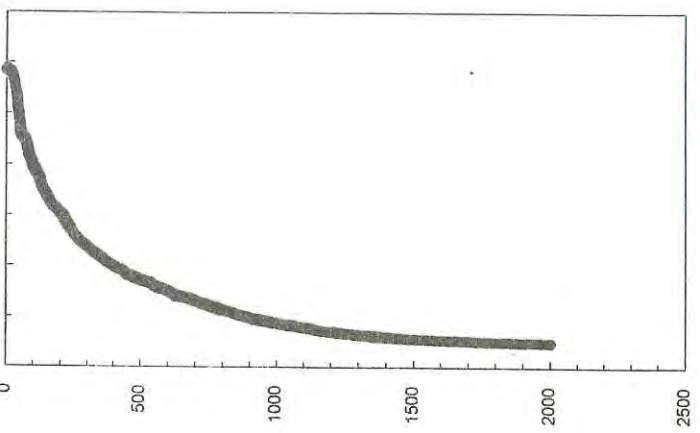
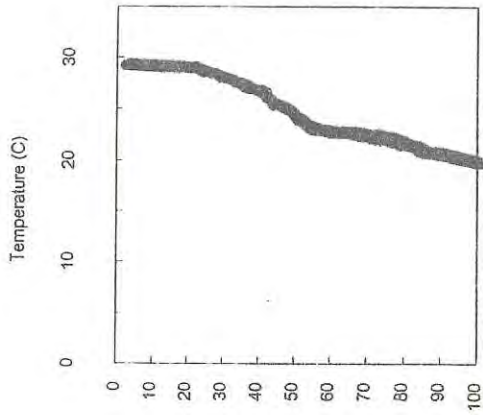
Station 062

o = Upcast



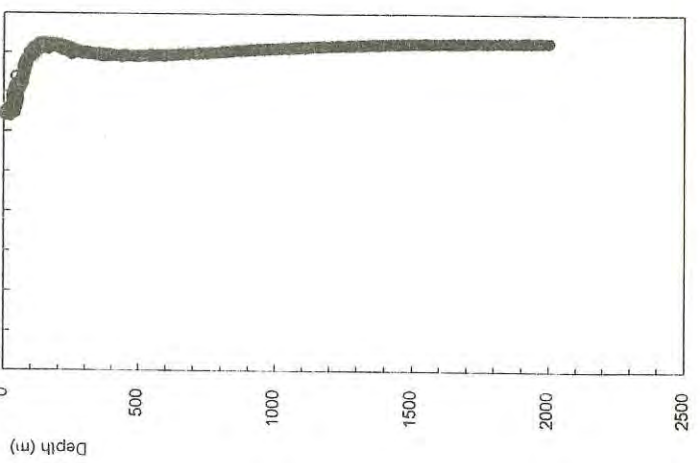
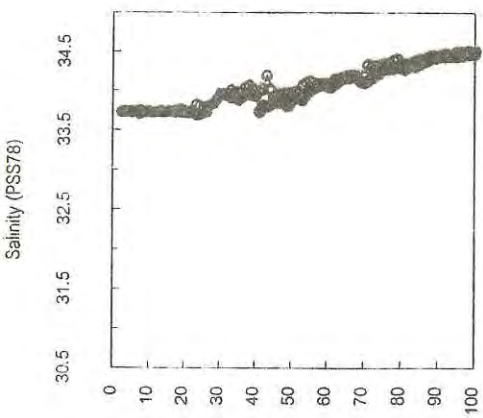
Station 062

● = Downcast



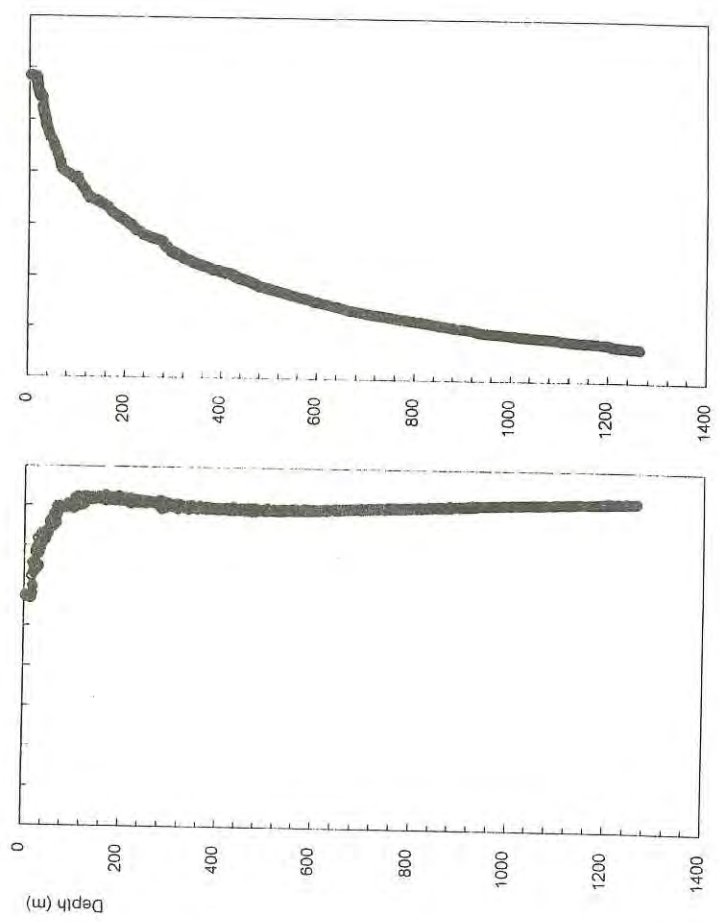
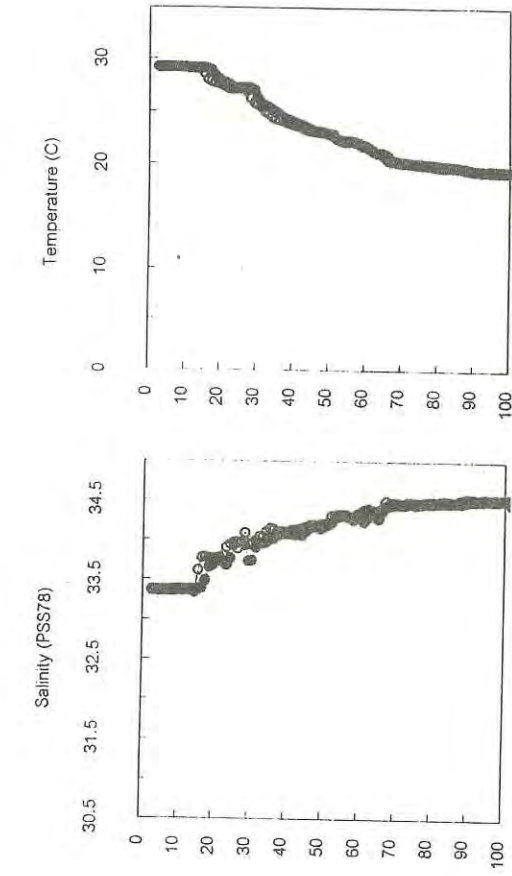
Station 061

o = Upcast

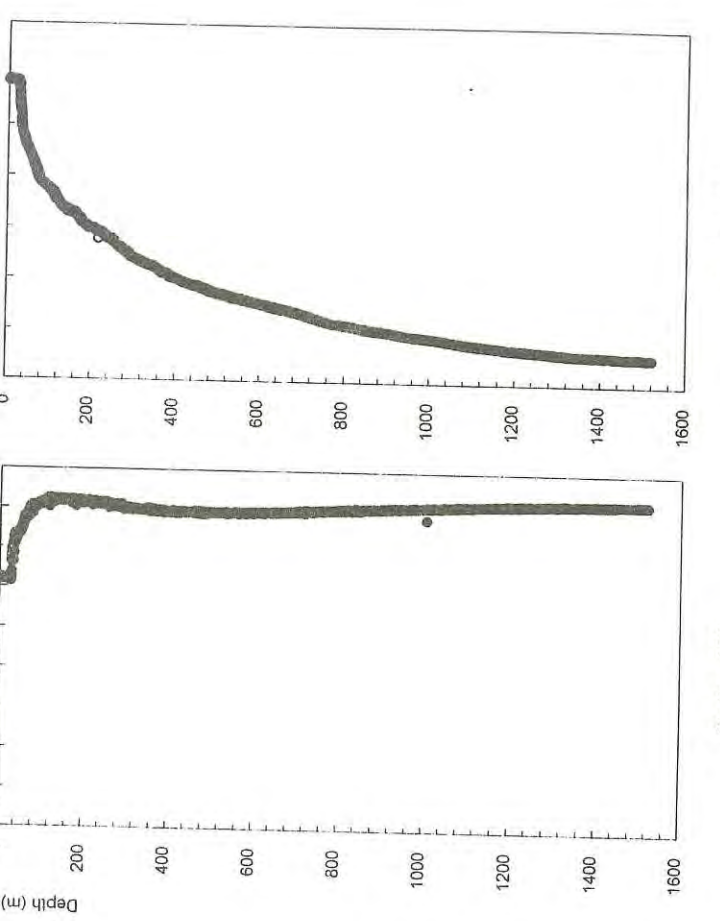
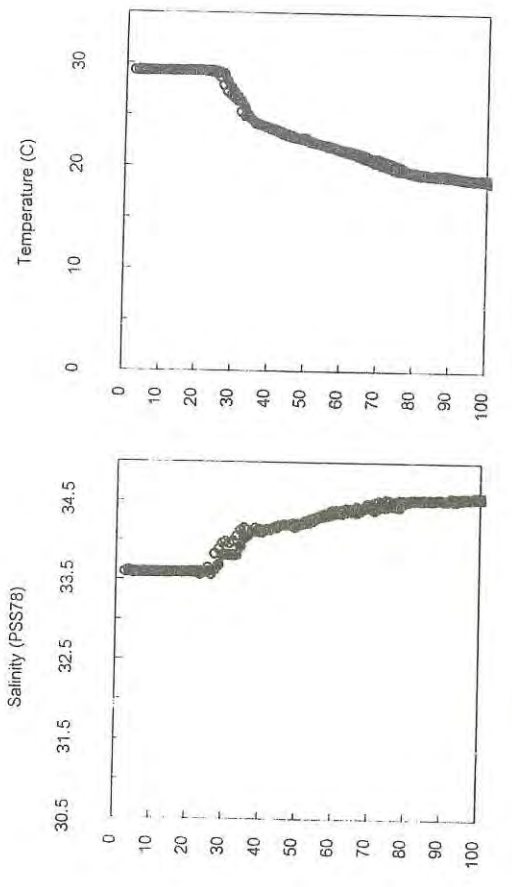


Station 061

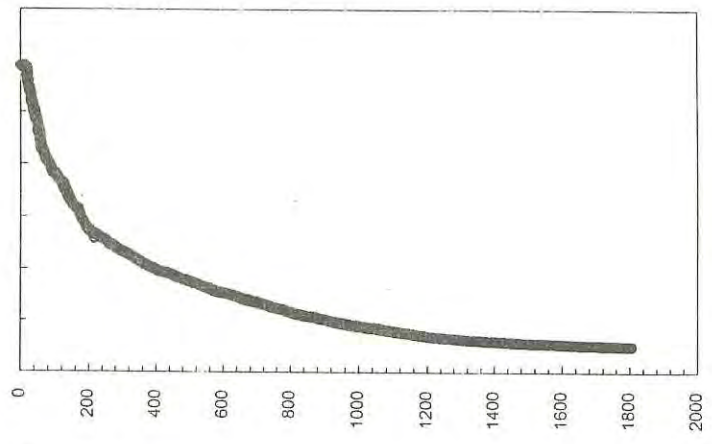
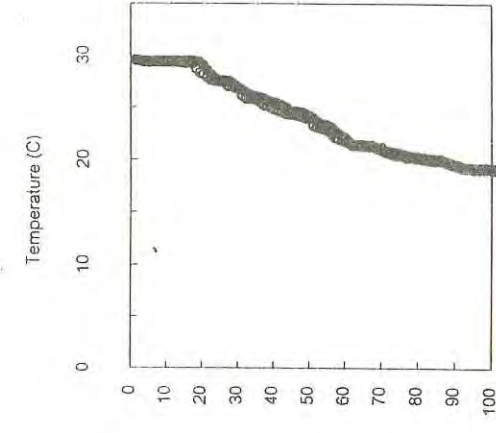
● = Downcast



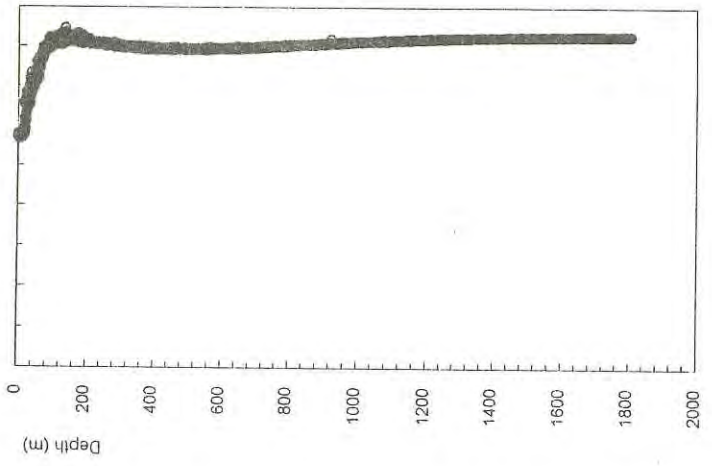
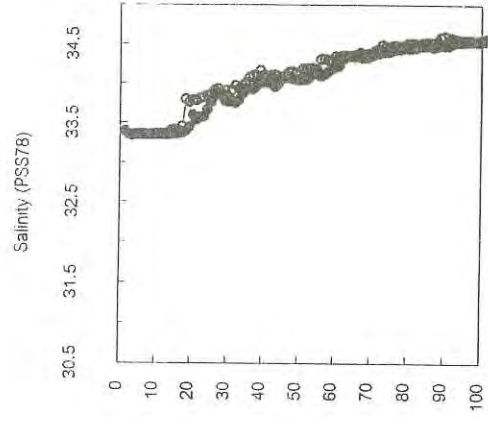
Station 064
o = Upcast
● = Downcast



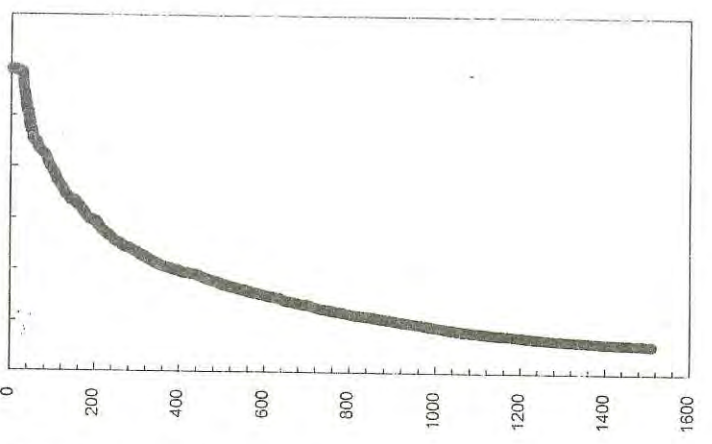
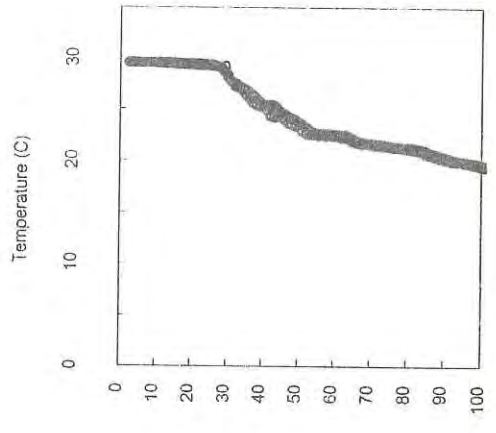
Station 063
o = Upcast
● = Downcast



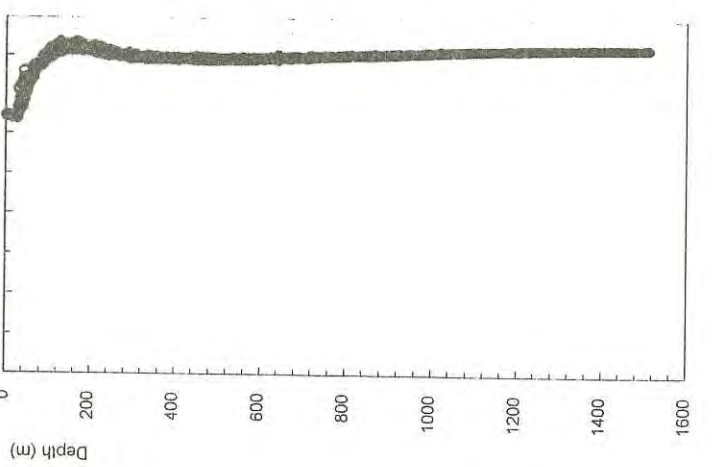
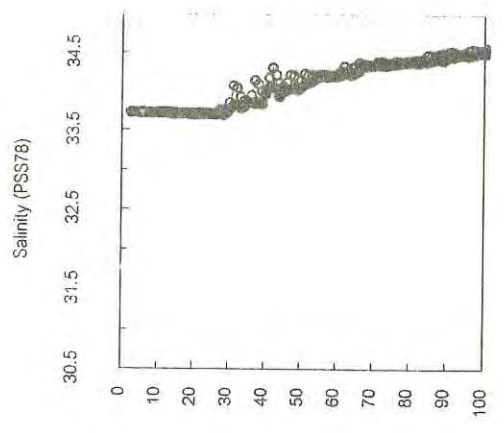
Station 066
o = Upcast



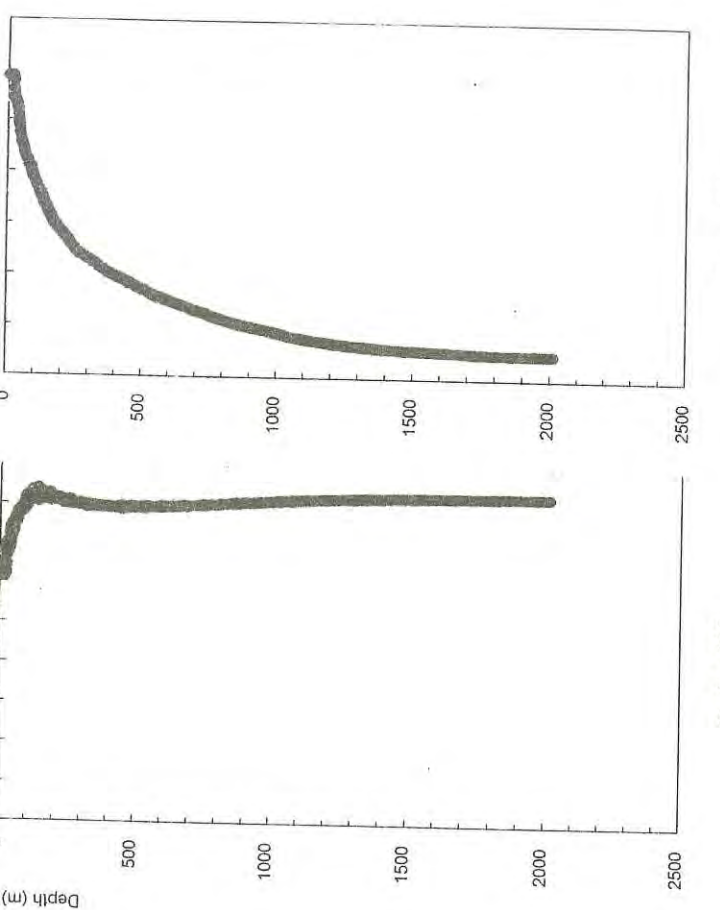
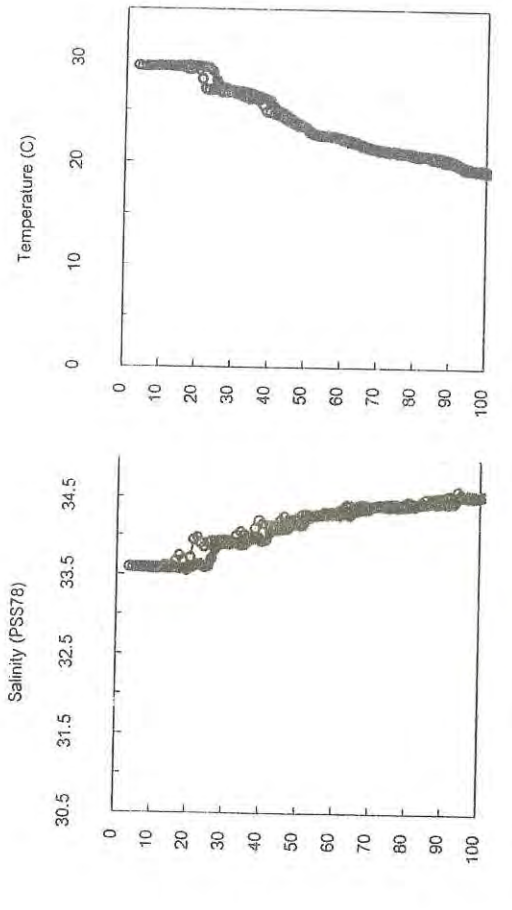
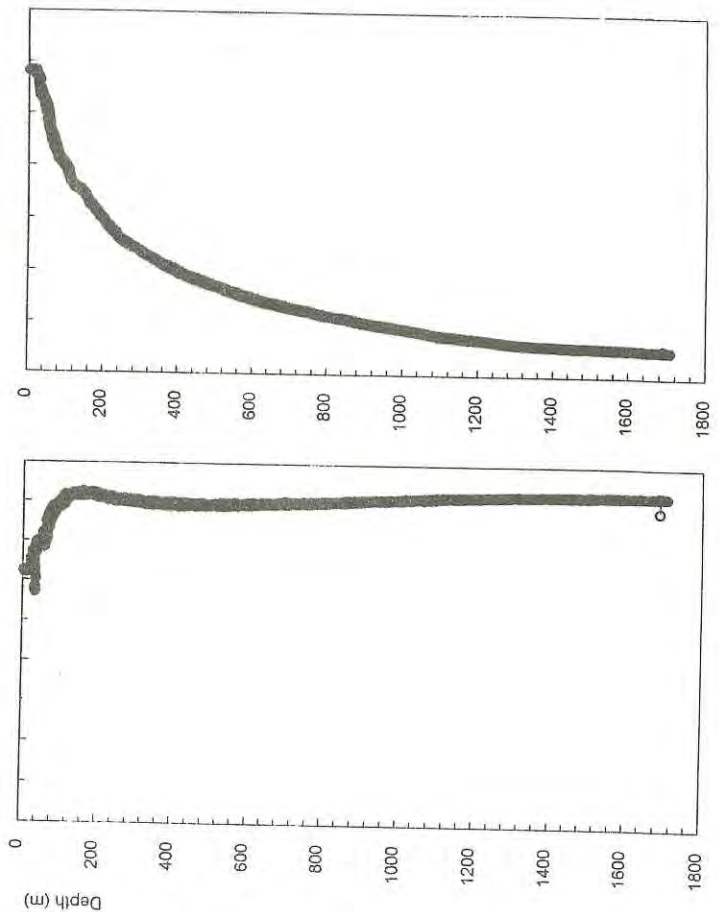
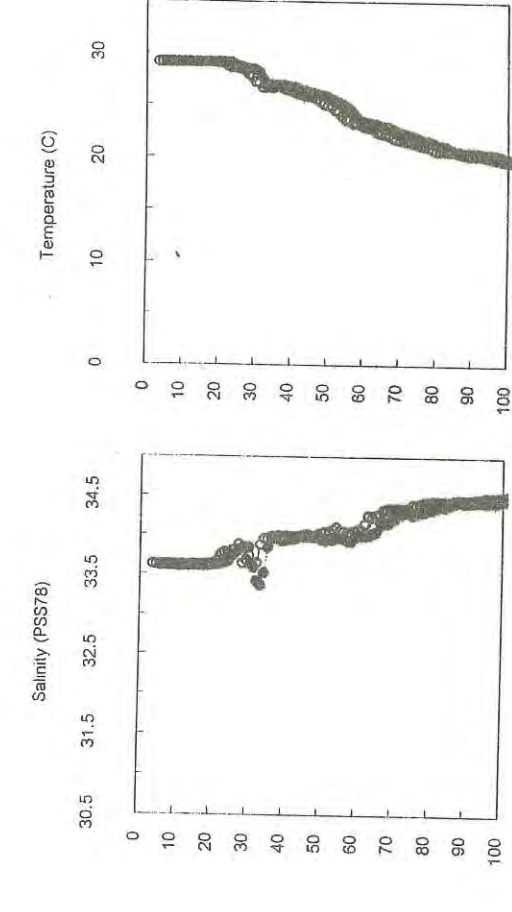
Station 066
● = Downcast

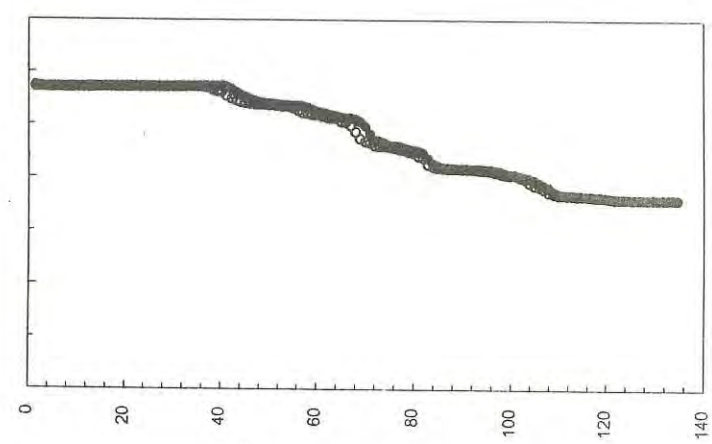
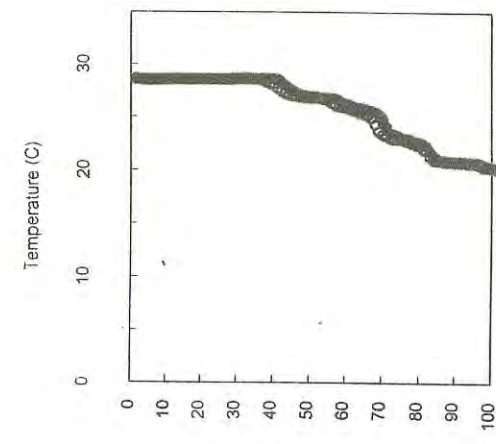


Station 065
o = Upcast

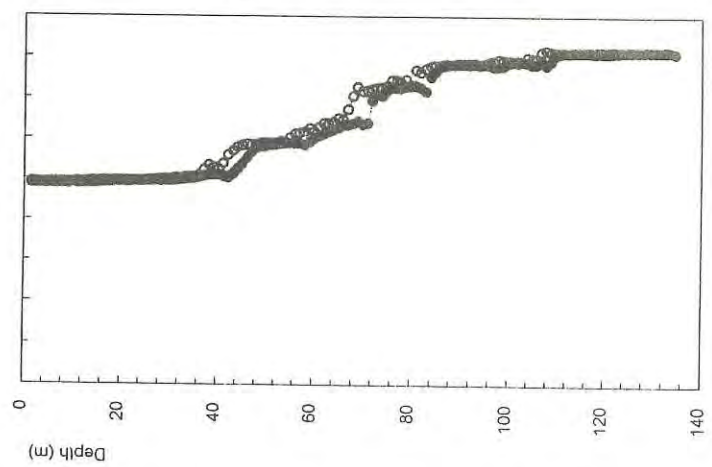
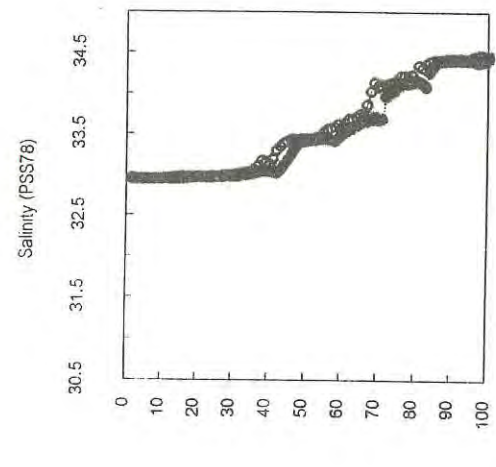


Station 065
● = Downcast

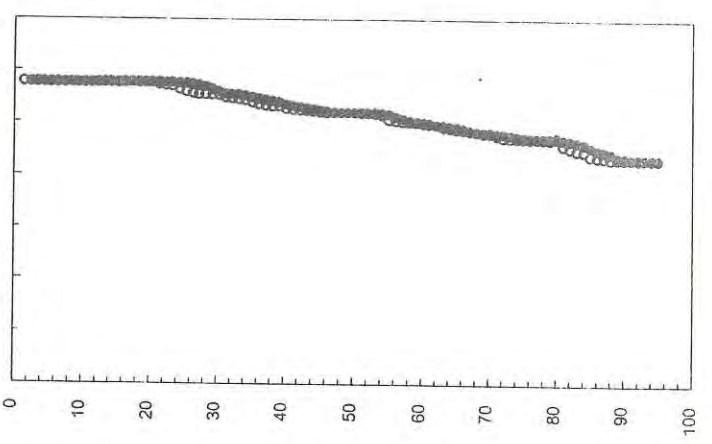
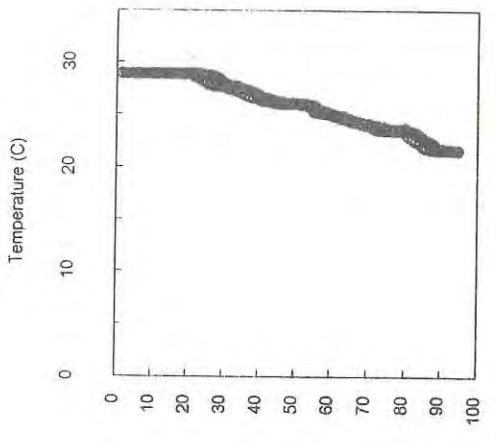




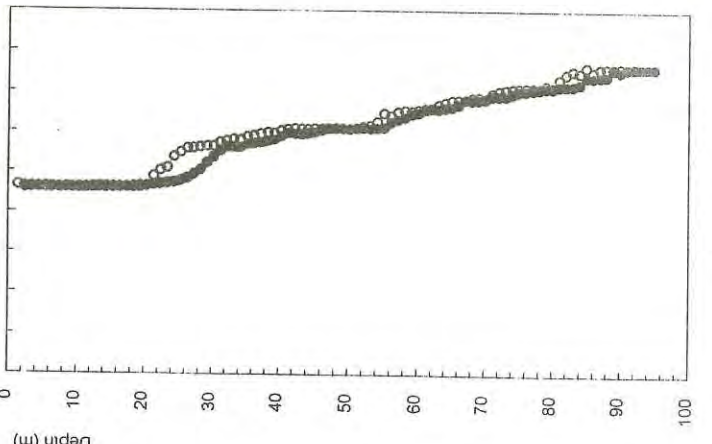
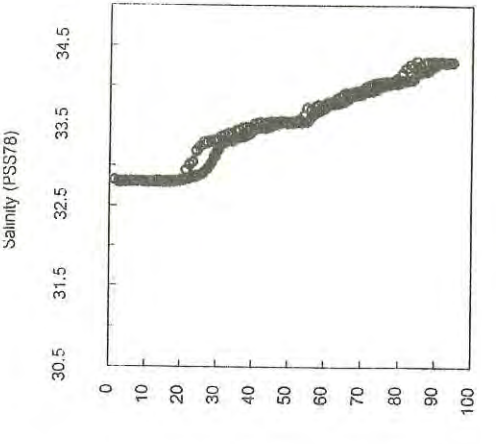
Station 070
o = Upcast



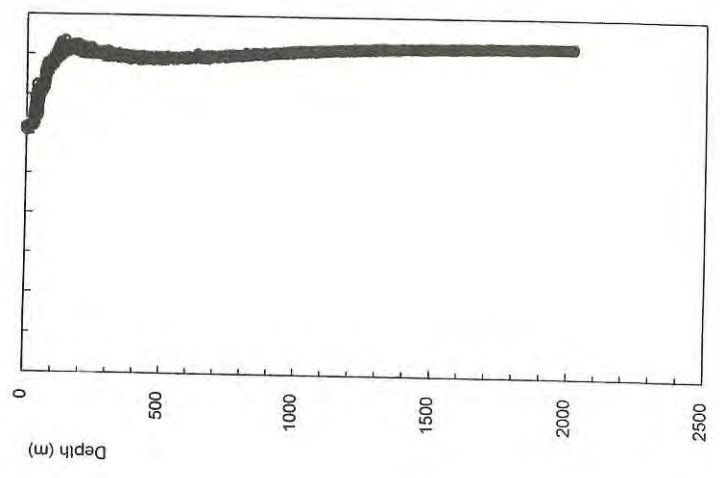
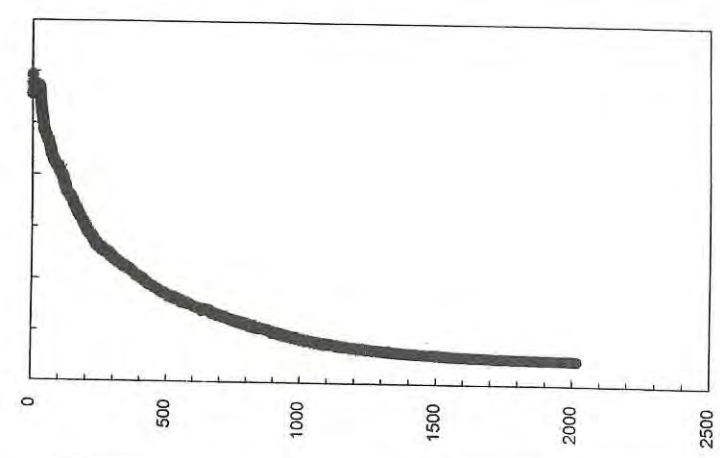
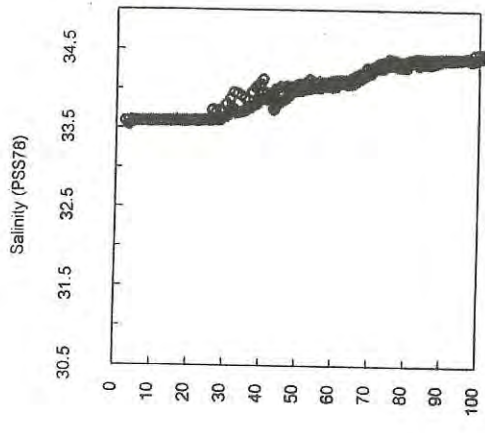
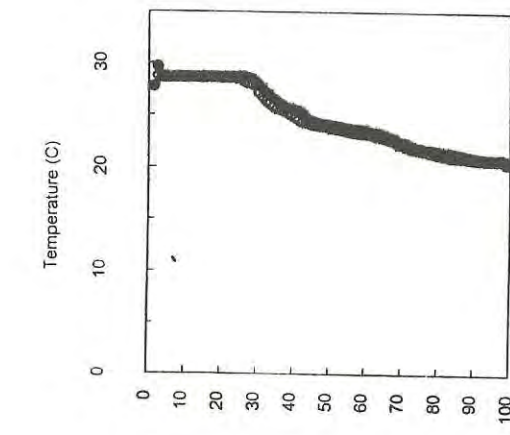
Station 070
● = Downcast



Station 069
o = Upcast



Station 069
● = Downcast

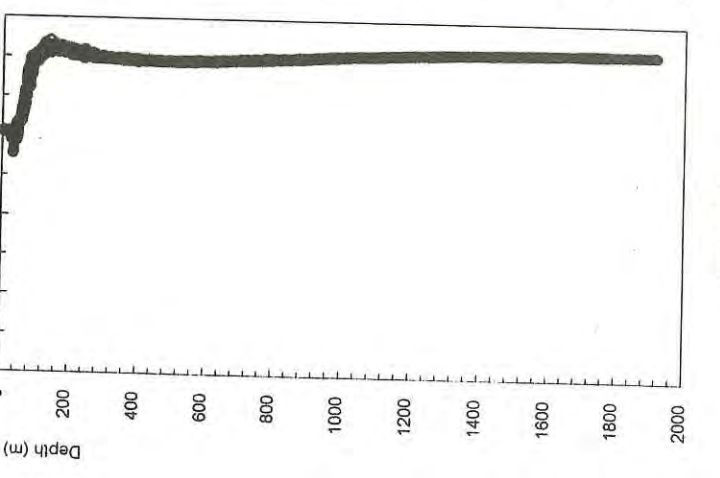
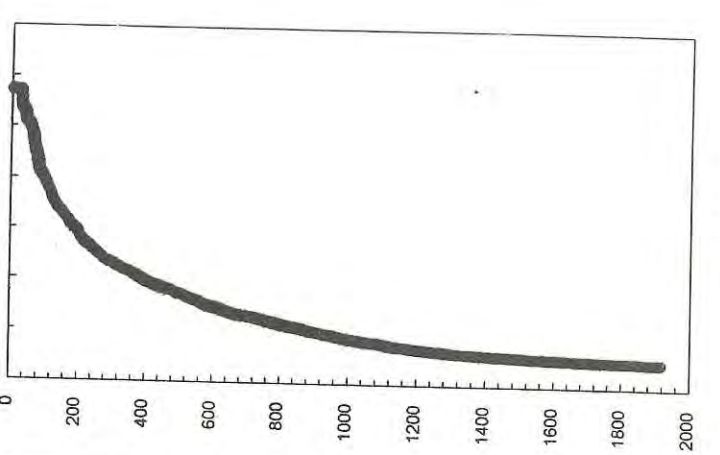
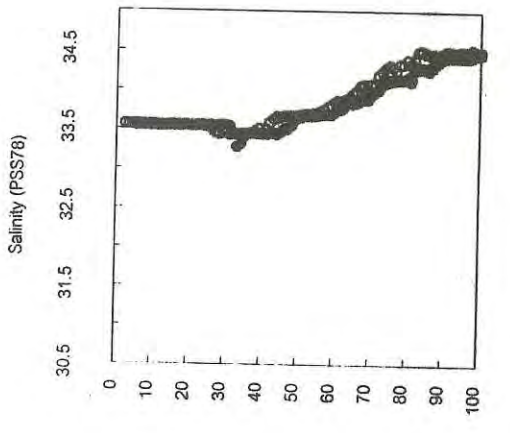
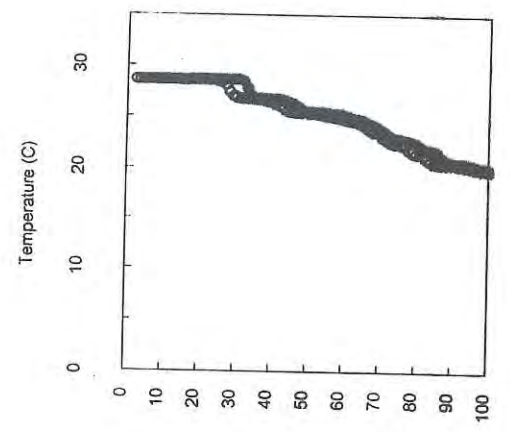


Station 072

o = Upcast

Station 072

● = Downcast

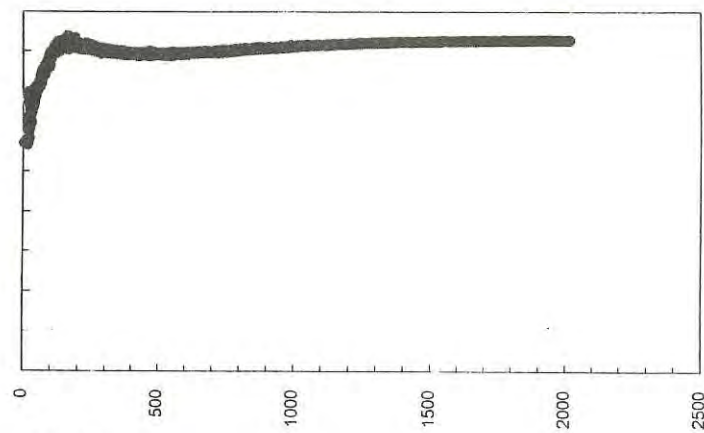
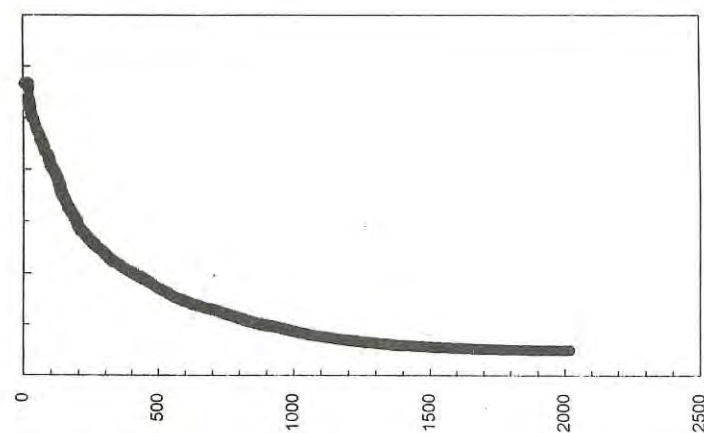
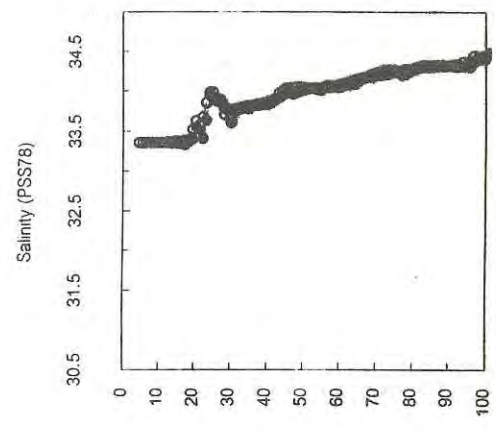
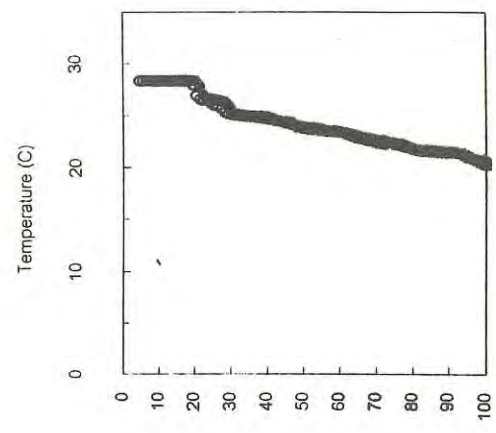


Station 071

o = Upcast

Station 071

● = Downcast

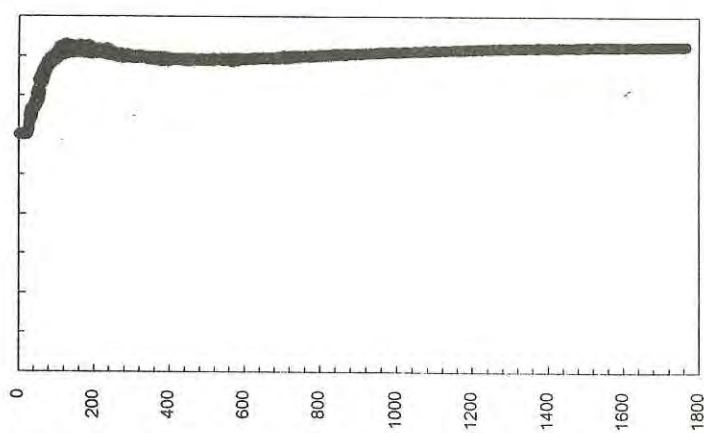
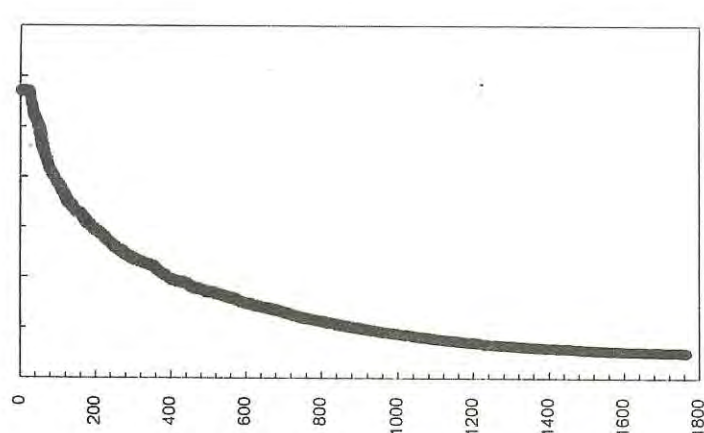
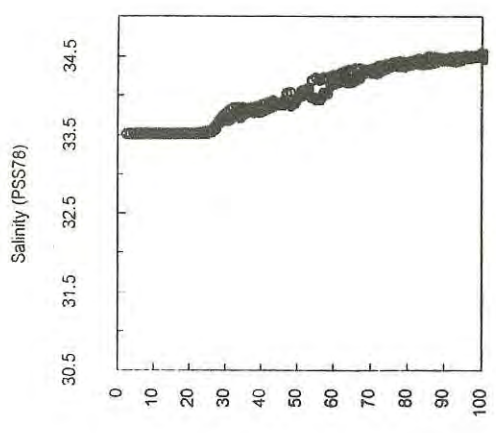
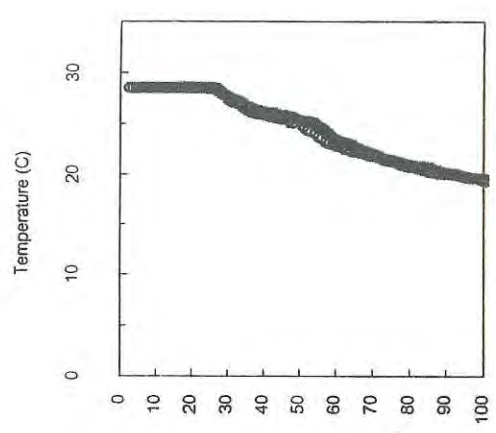


Station 074

o = Upcast

Station 074

● = Downcast

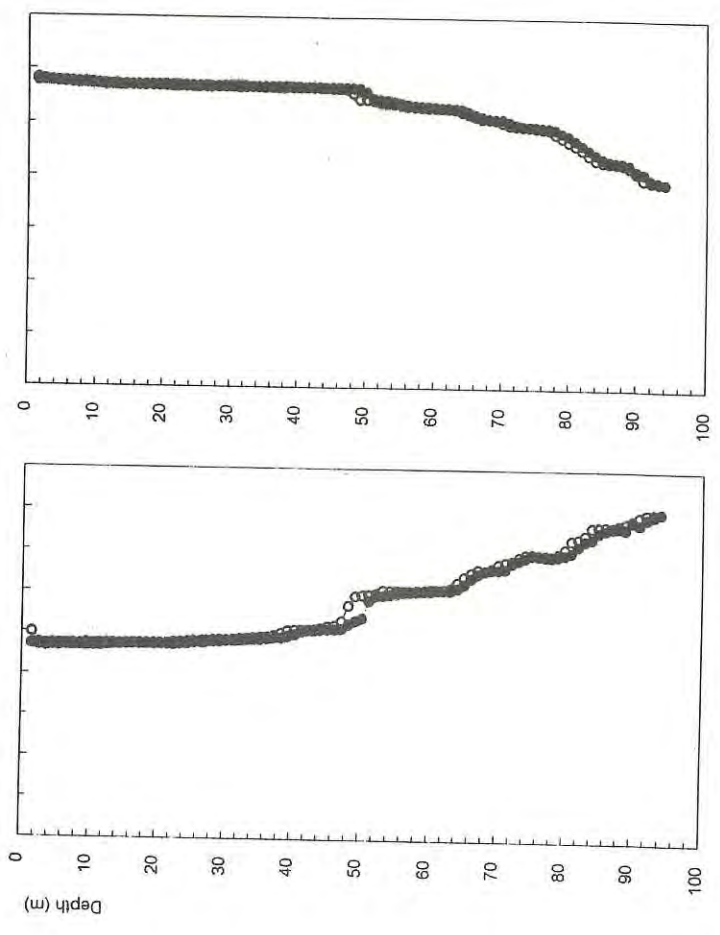
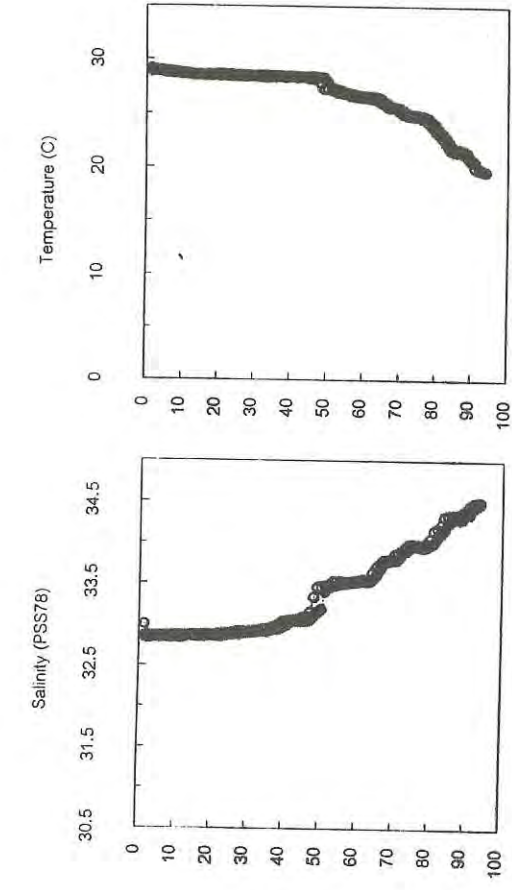


Station 073

o = Upcast

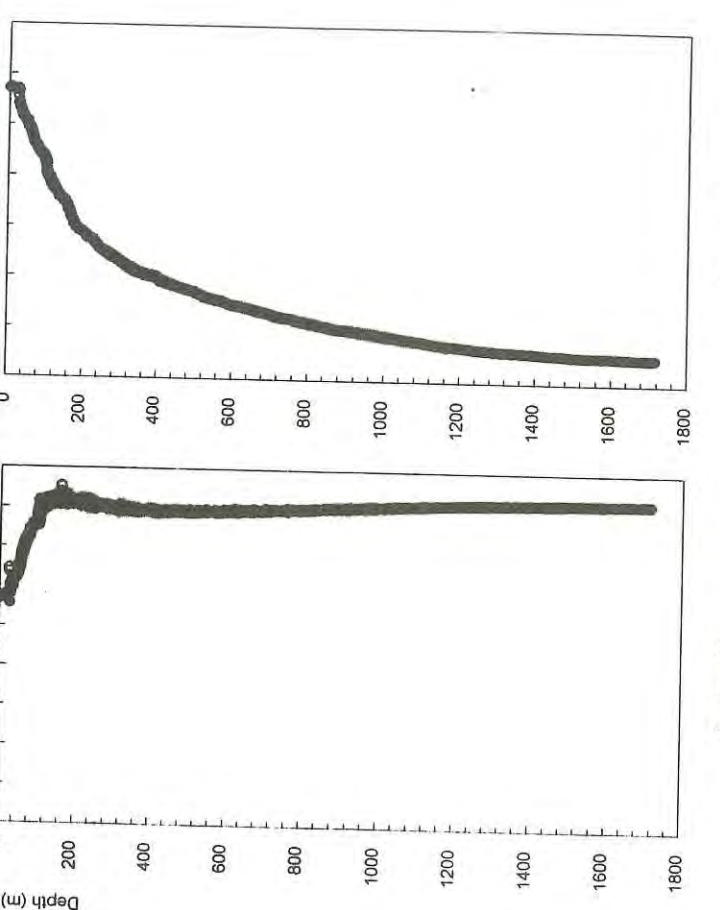
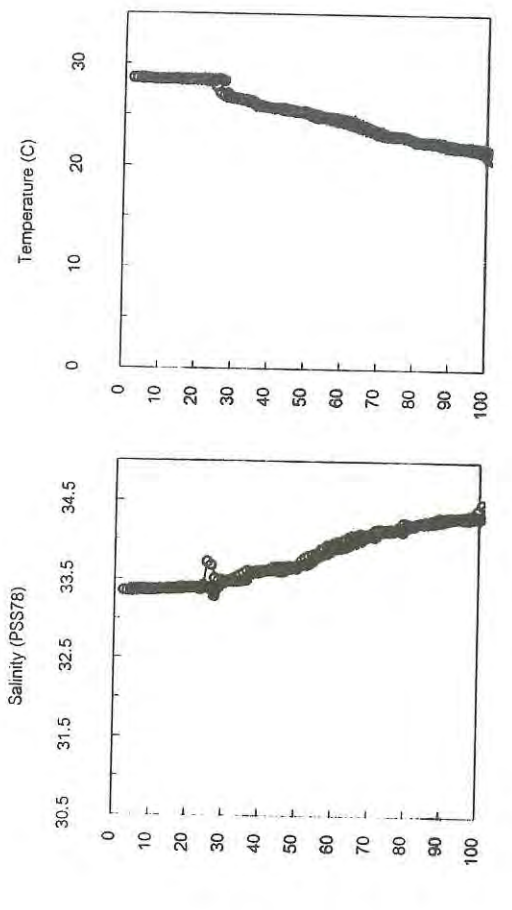
Station 073

● = Downcast



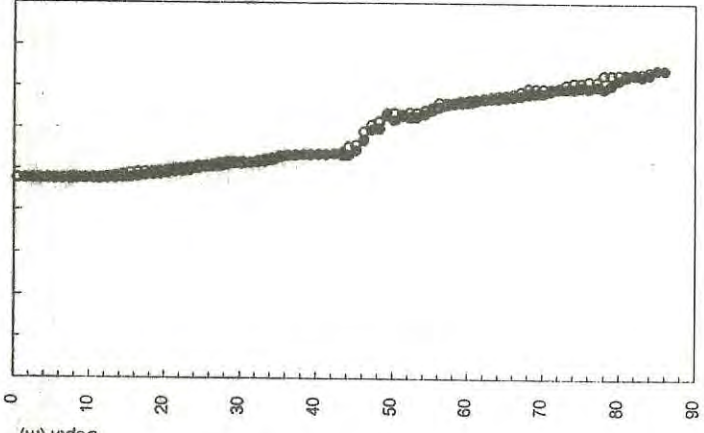
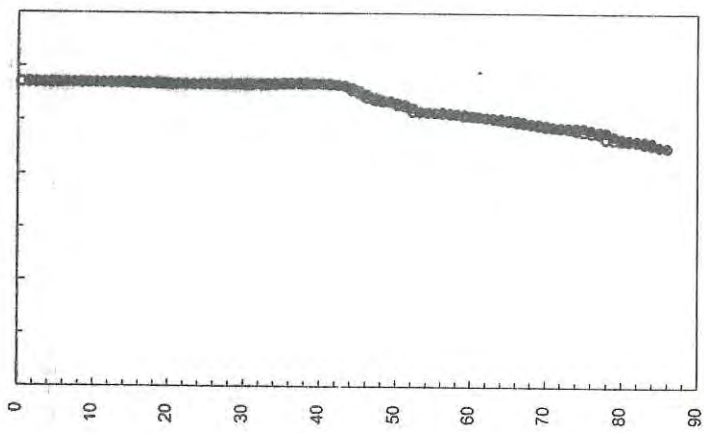
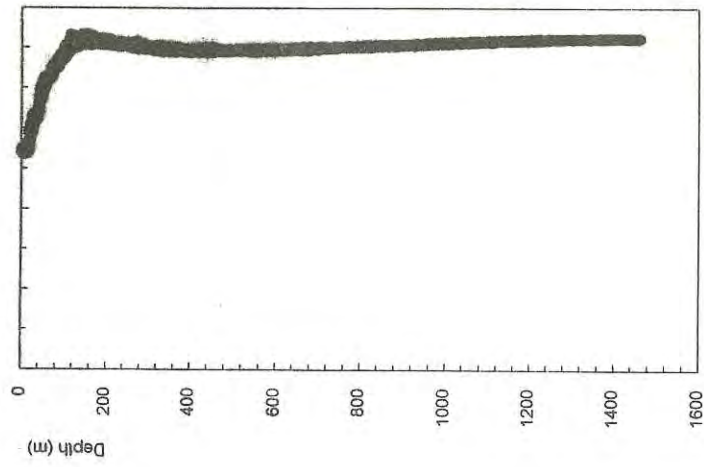
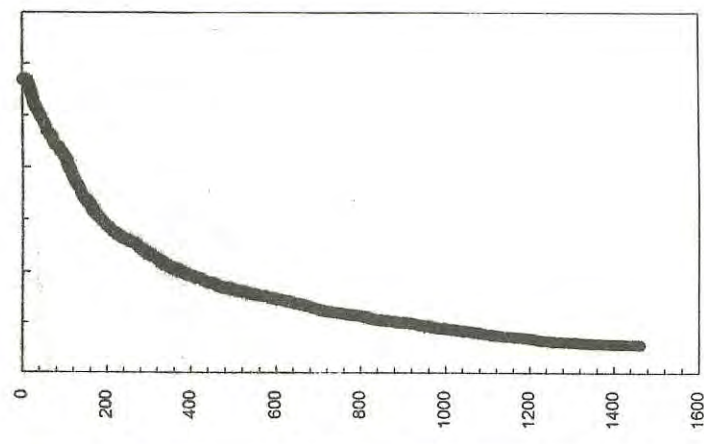
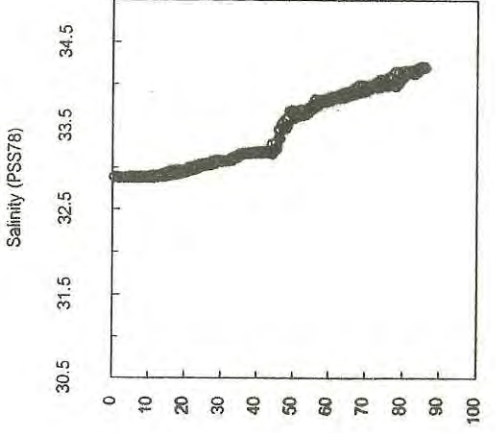
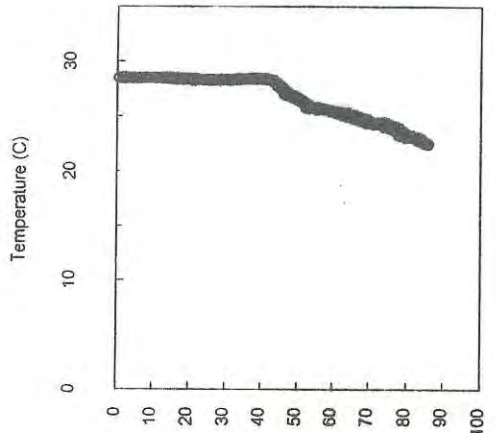
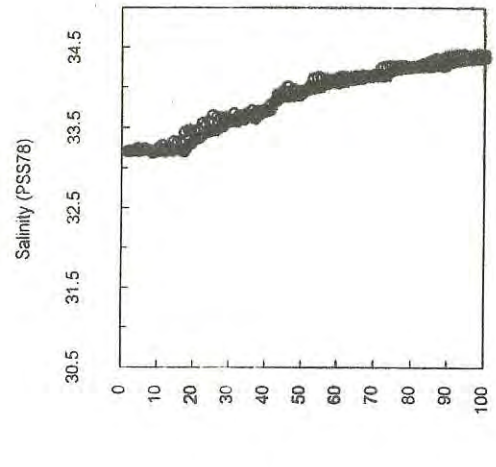
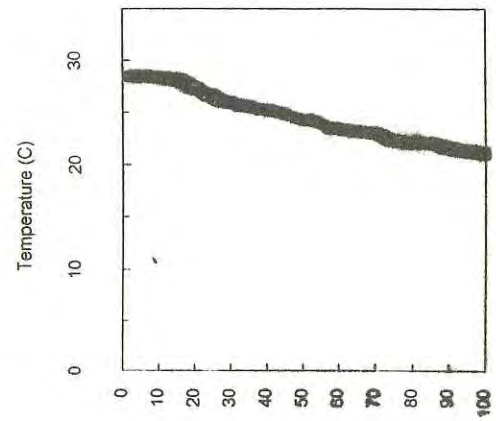
Station 076
o = Upcast

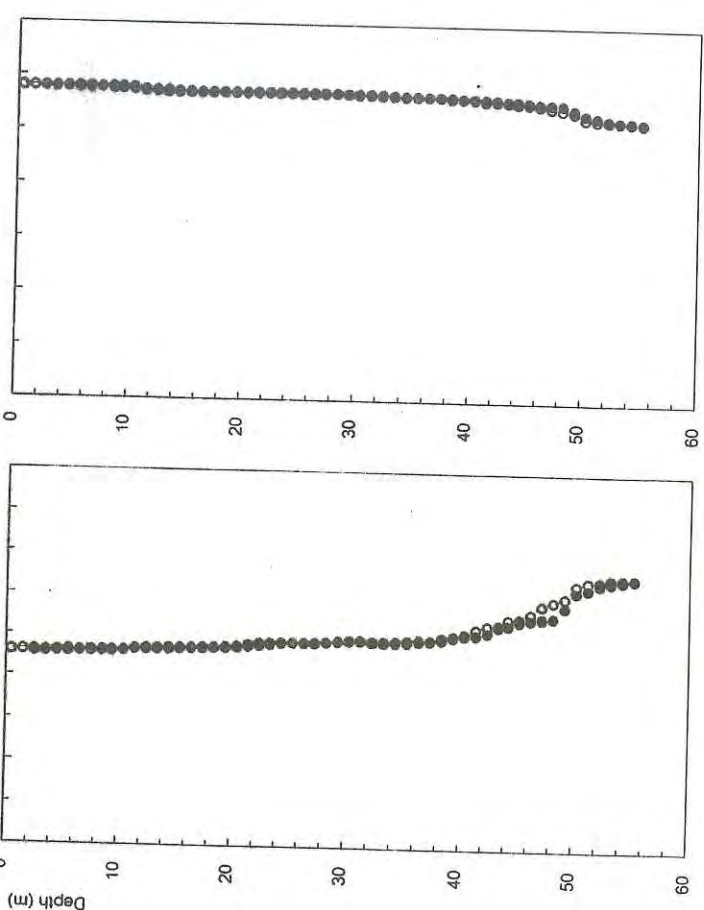
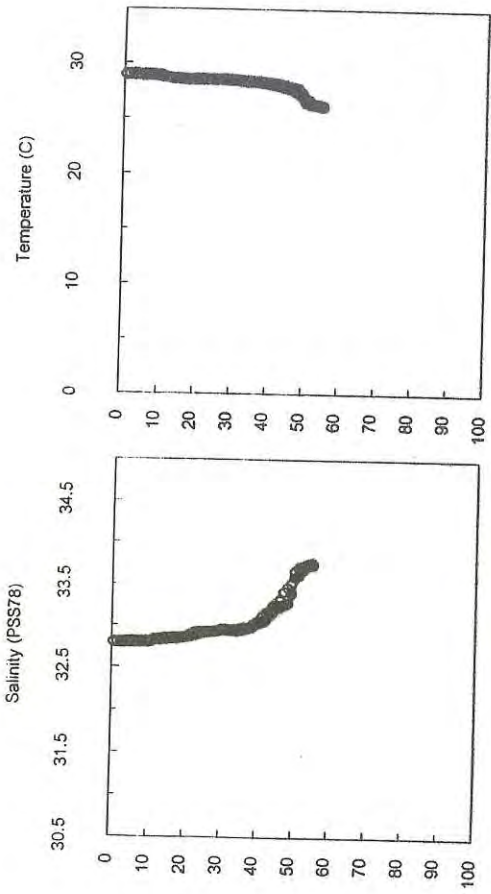
Station 076
● = Downcast



Station 075
o = Upcast

Station 075
● = Downcast



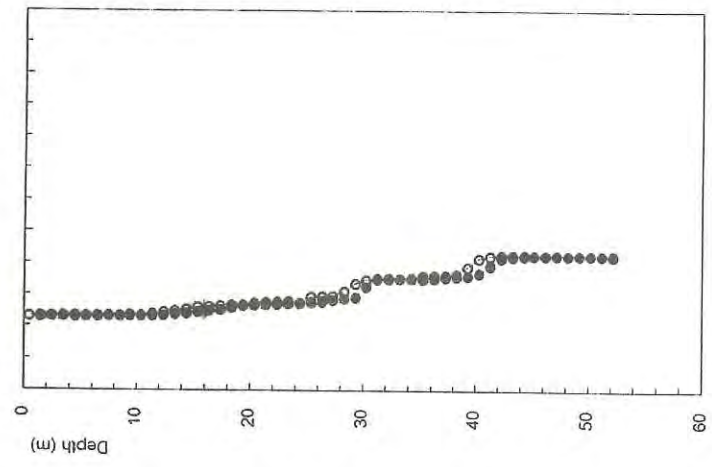
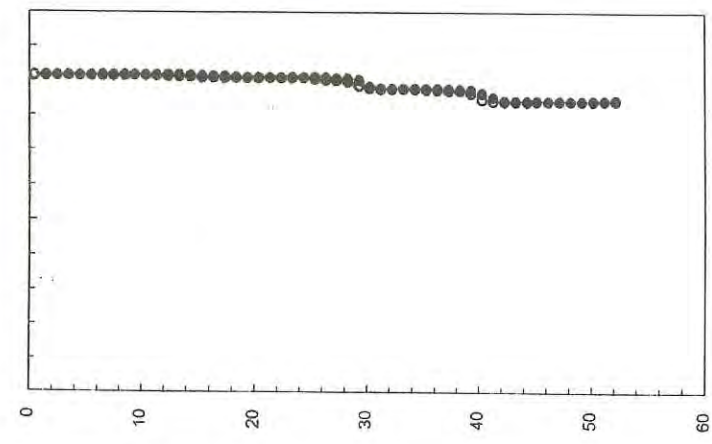
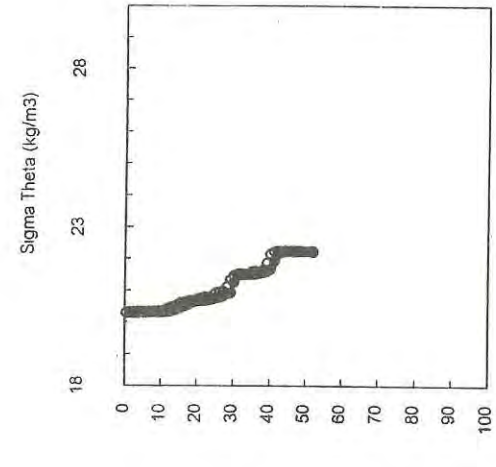
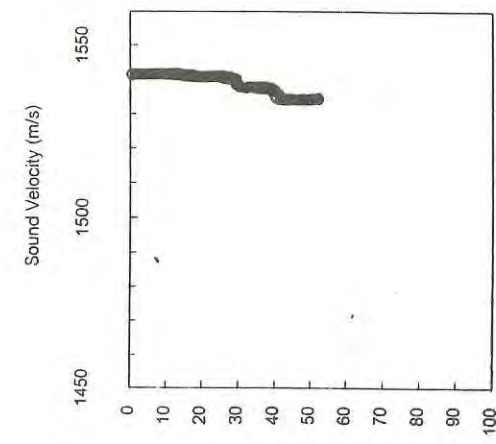


Station 079

o = Upcast

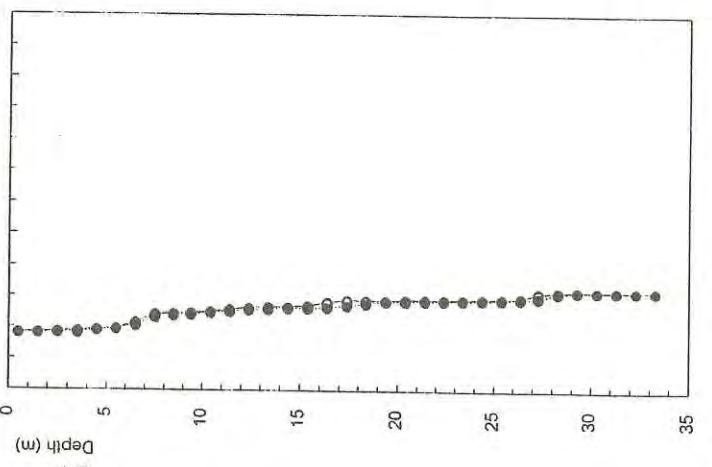
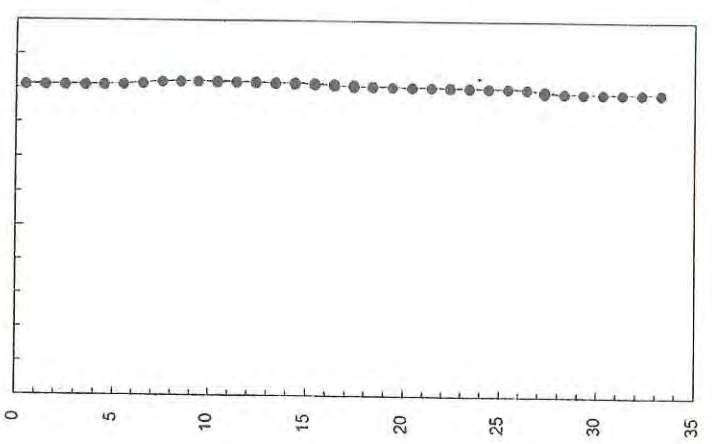
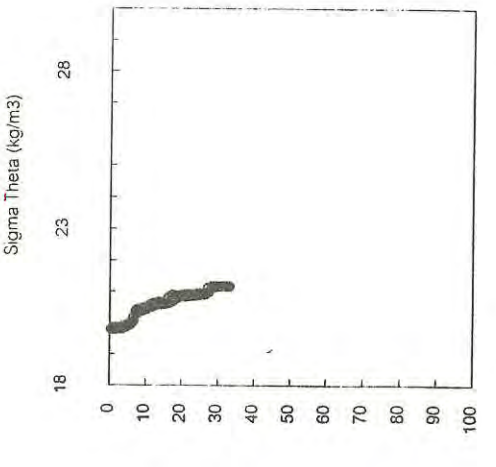
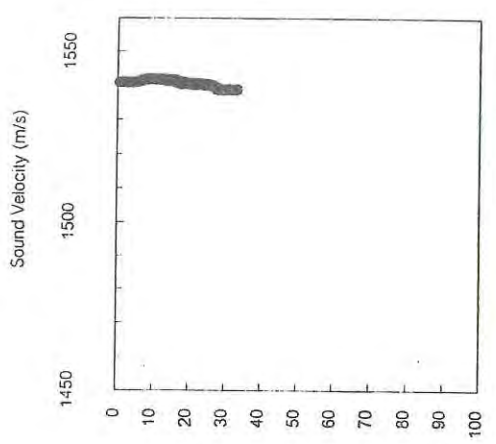
Station 079

● = Downcast



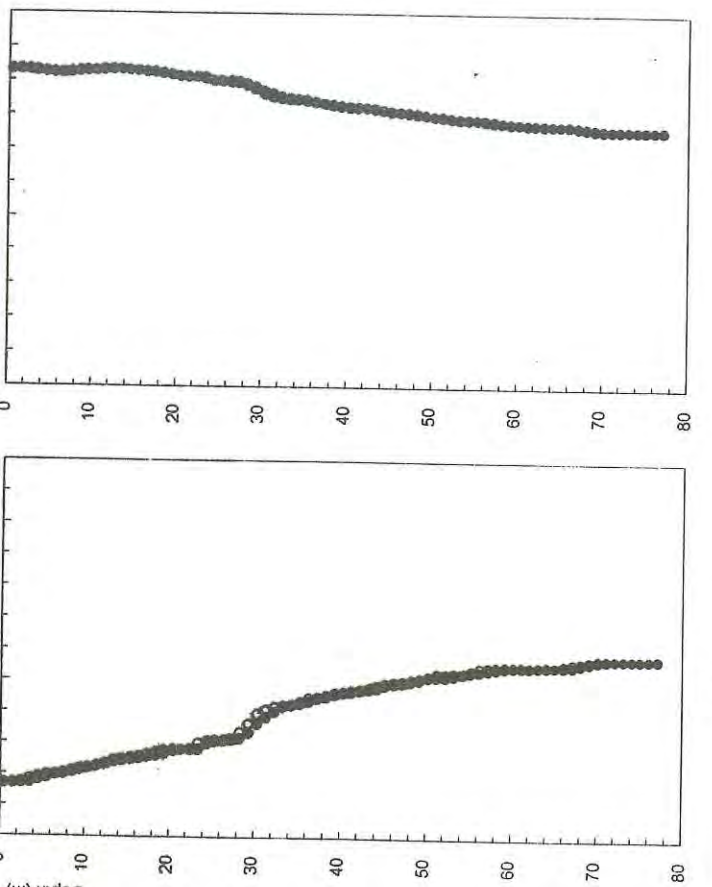
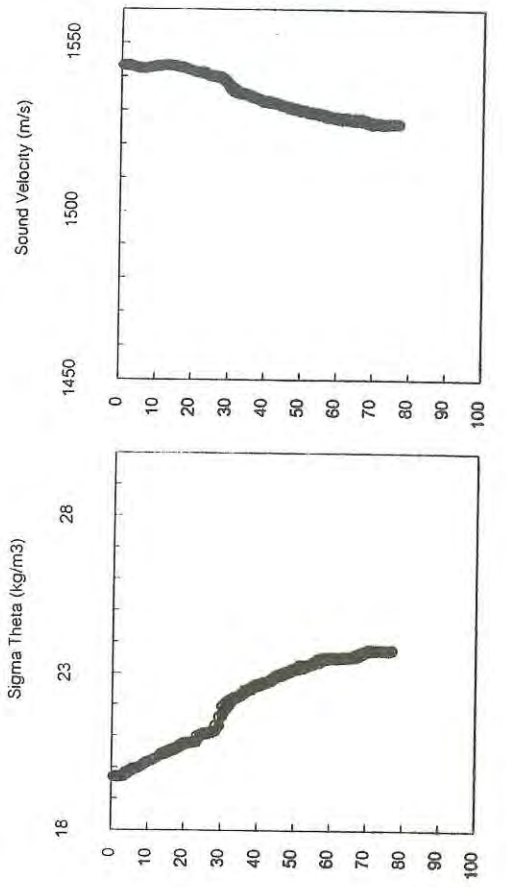
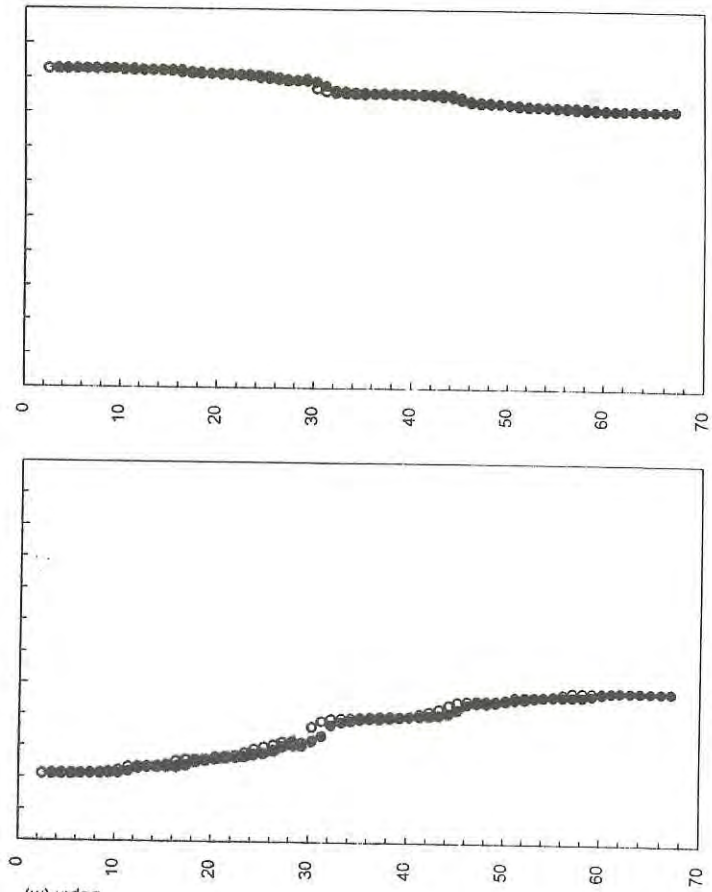
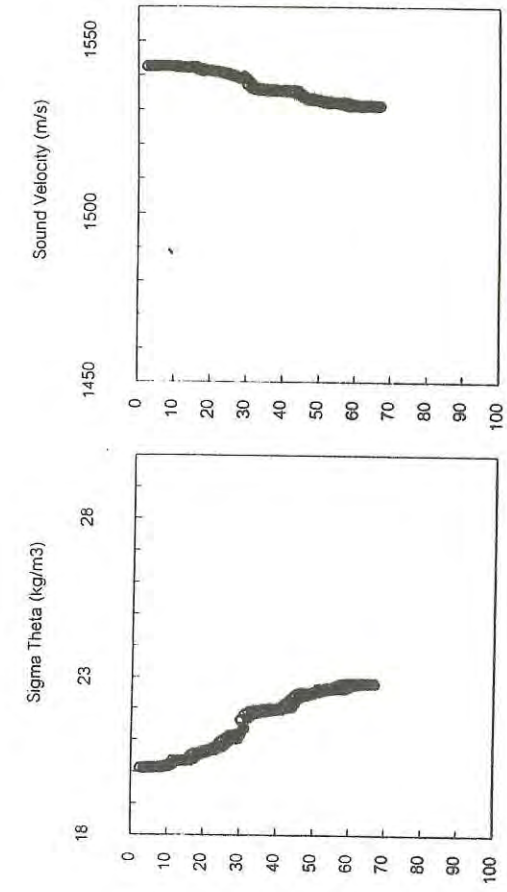
Station 002
o = Upcast

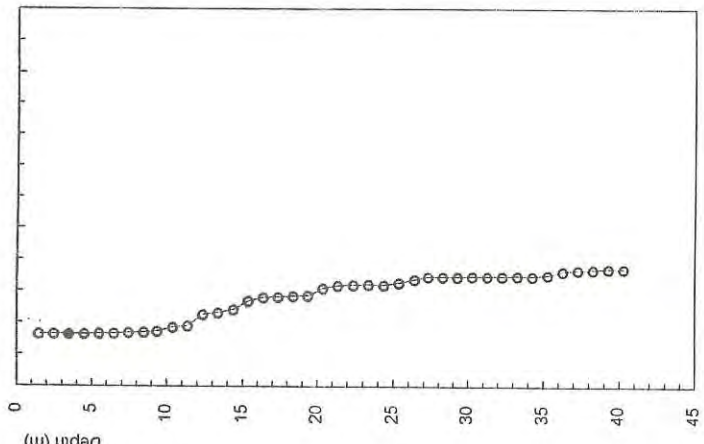
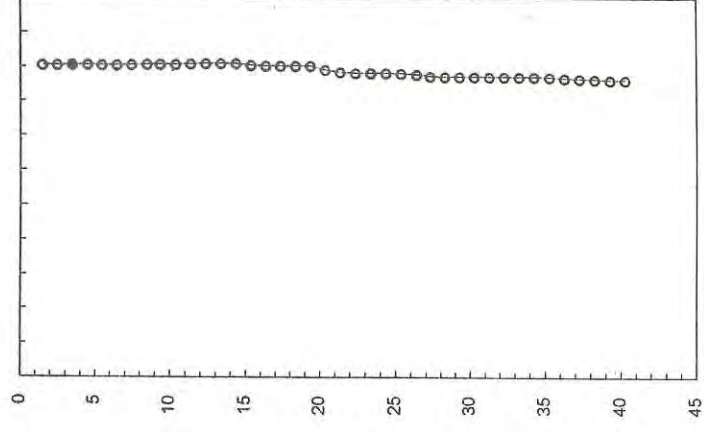
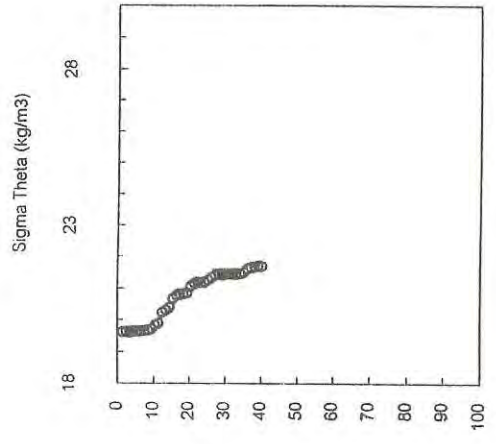
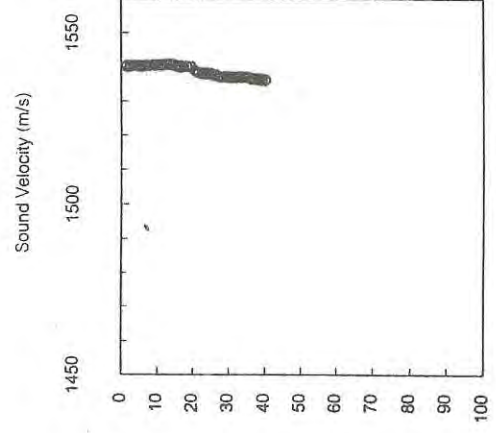
Station 002
● = Downcast



Station 001
o = Upcast

Station 001
● = Downcast



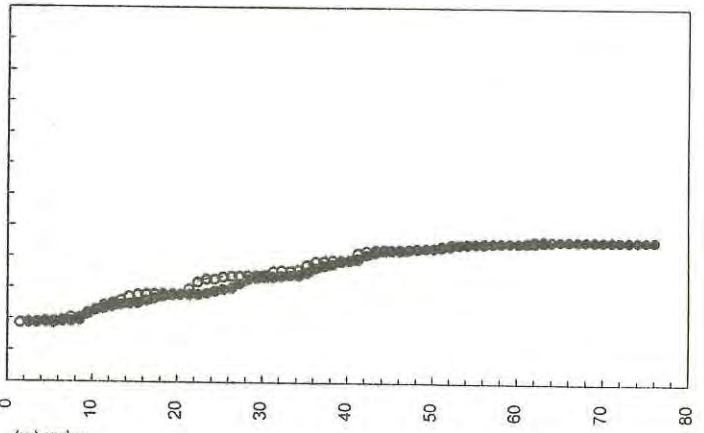
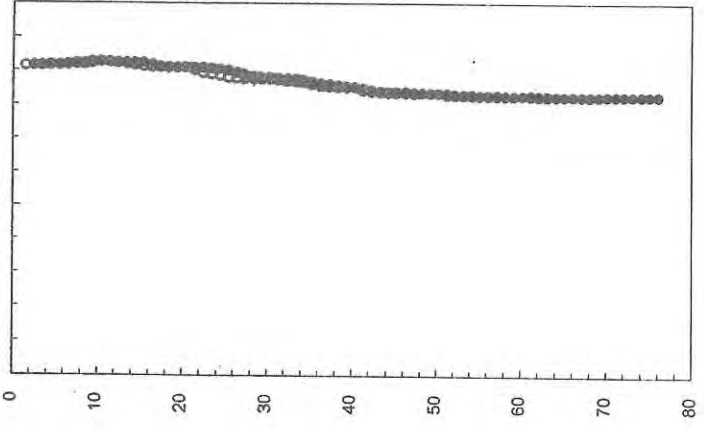
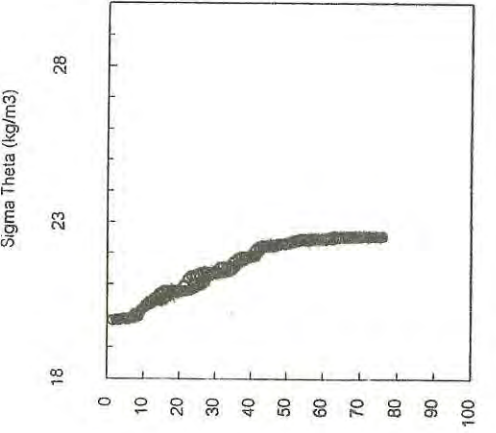
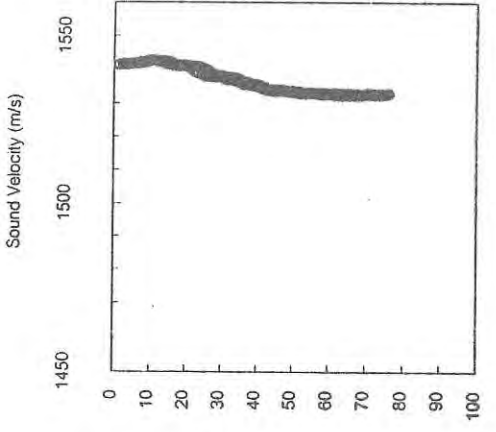


Station 006

o = Upcast

Station 006

● = Downcast

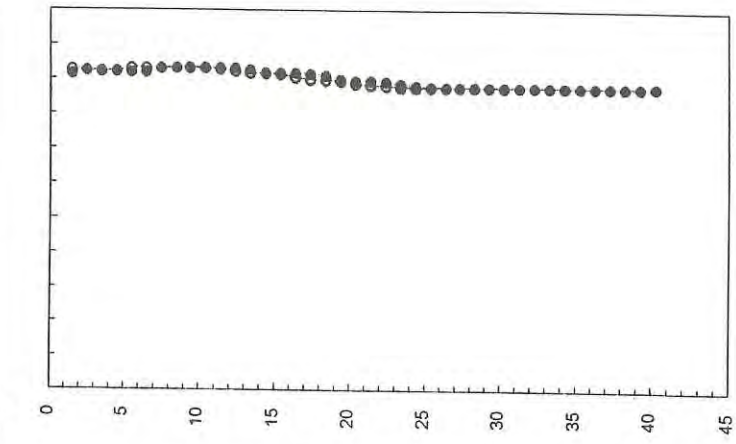
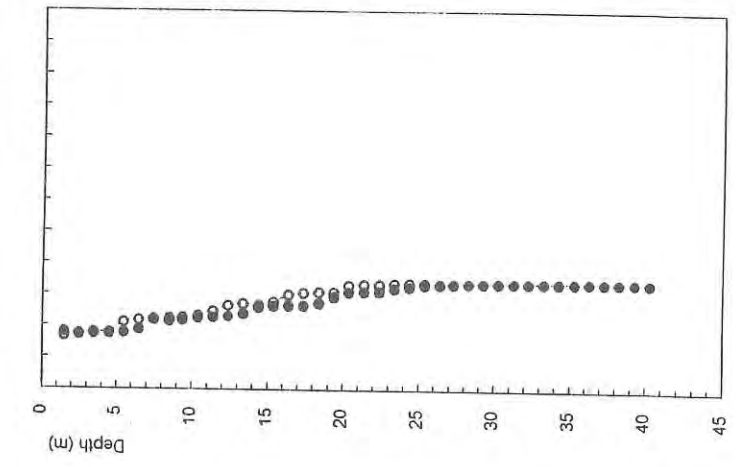
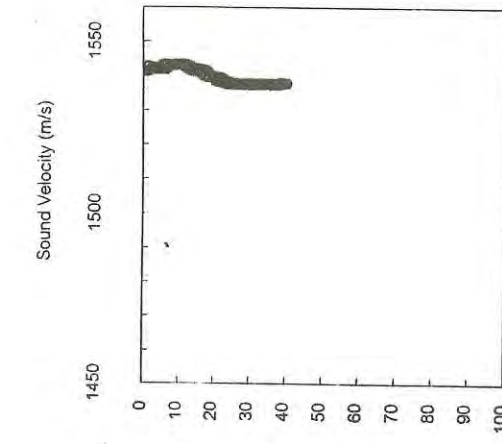
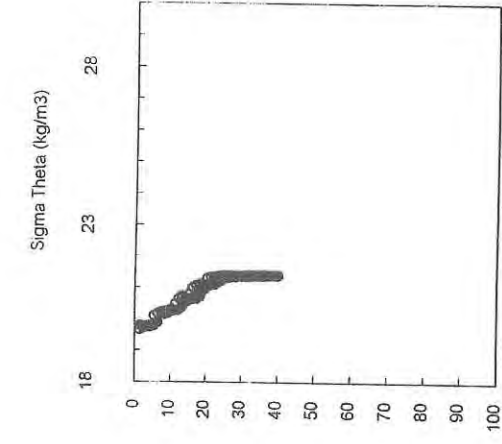
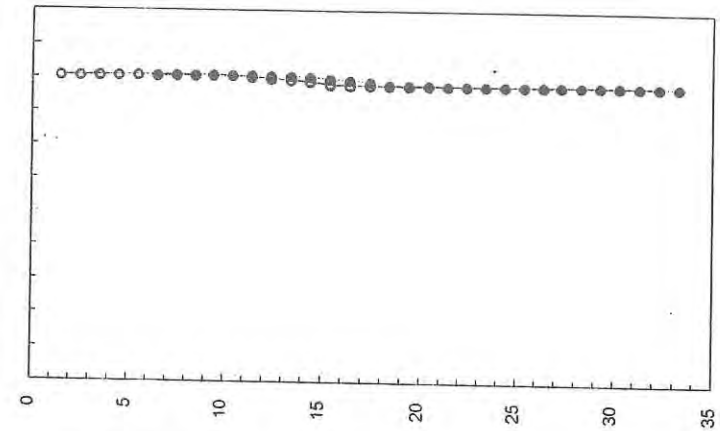
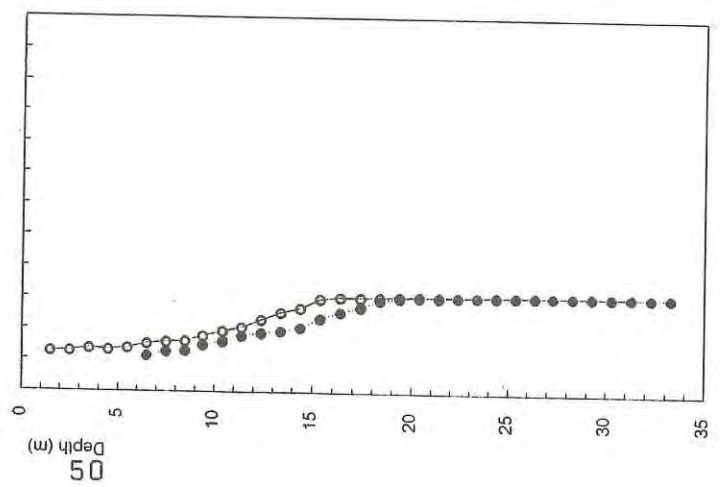
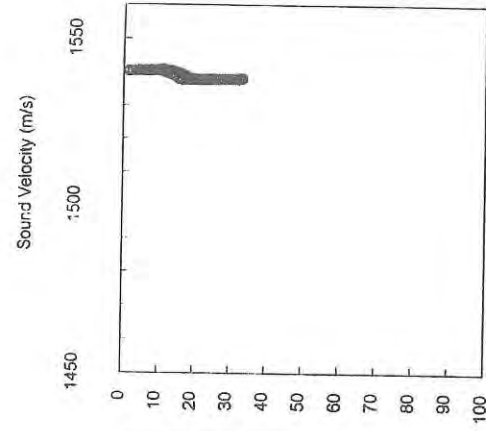
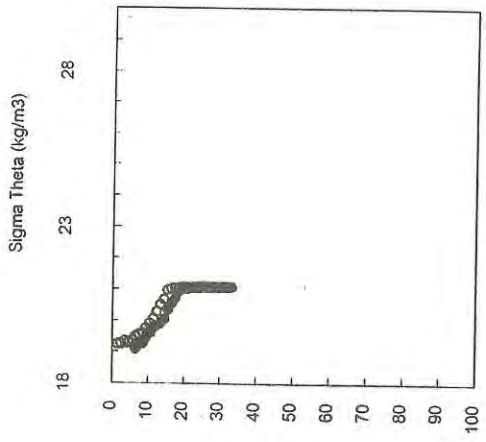


Station 005

o = Upcast

Station 005

● = Downcast



Station 007

● = Downcast

Station 007

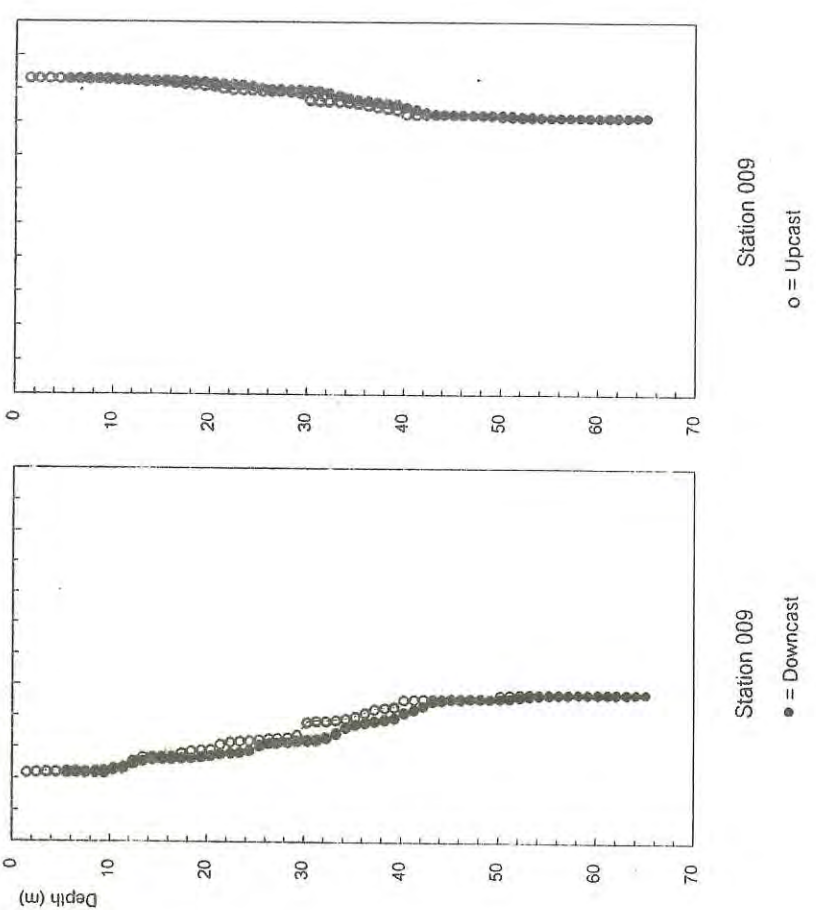
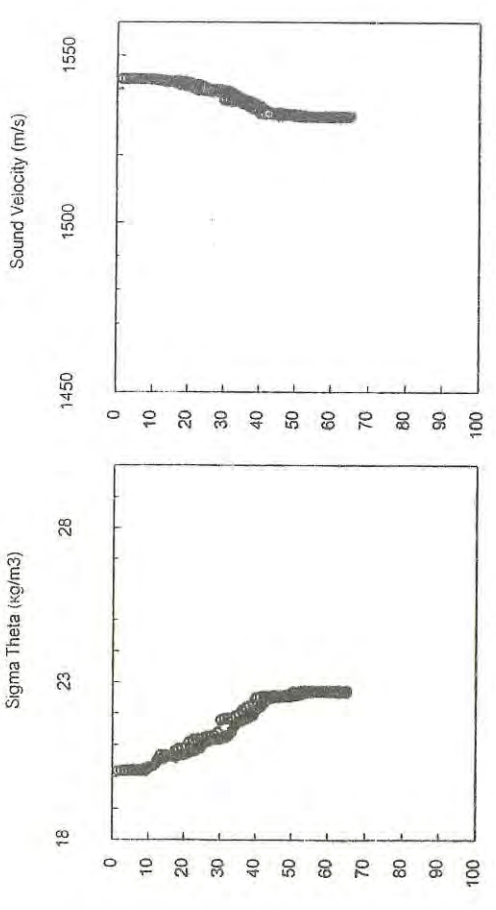
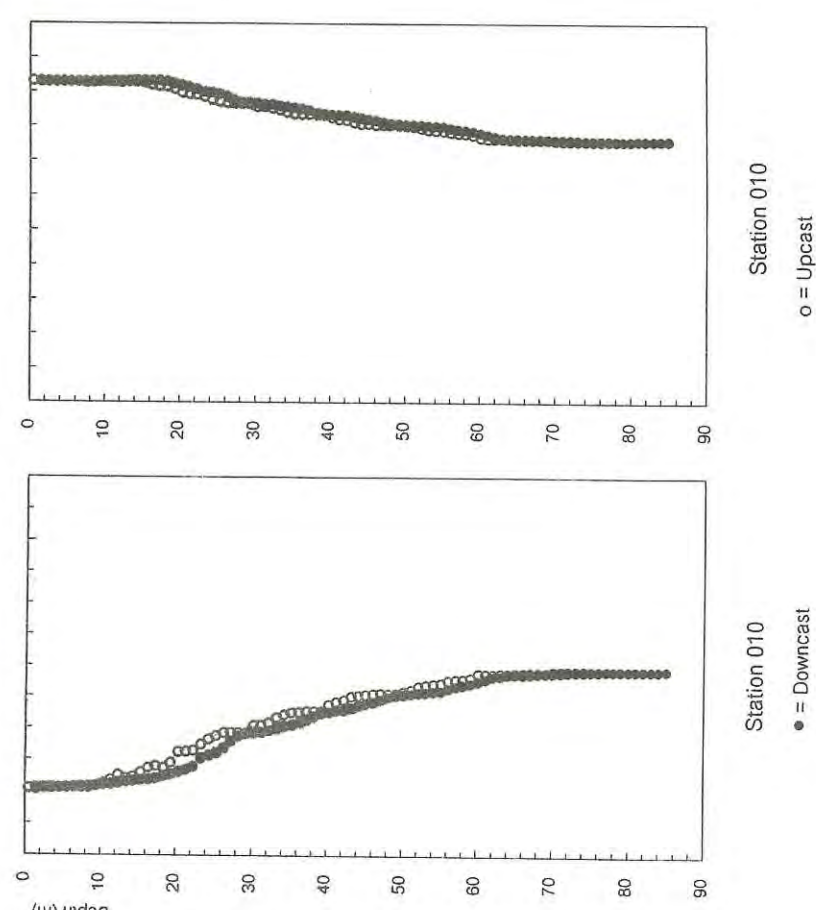
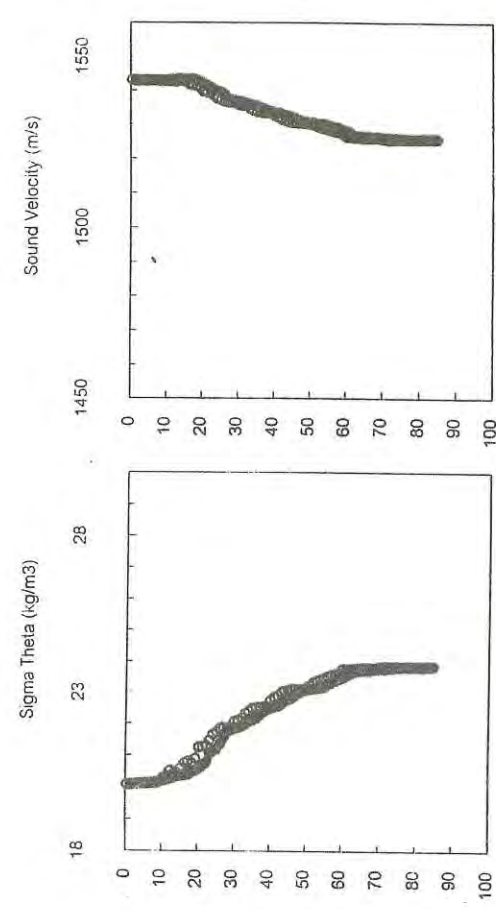
○ = Upcast

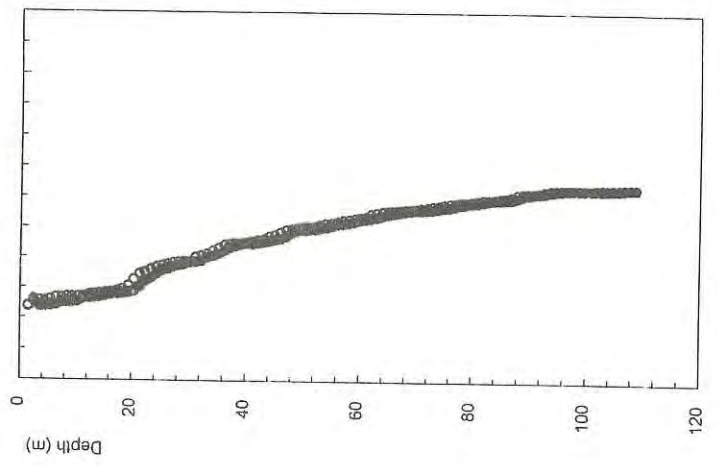
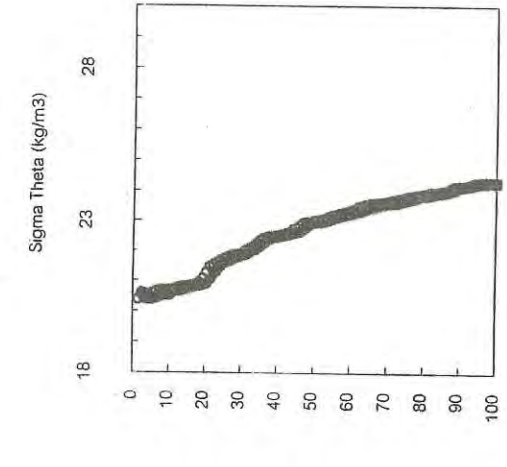
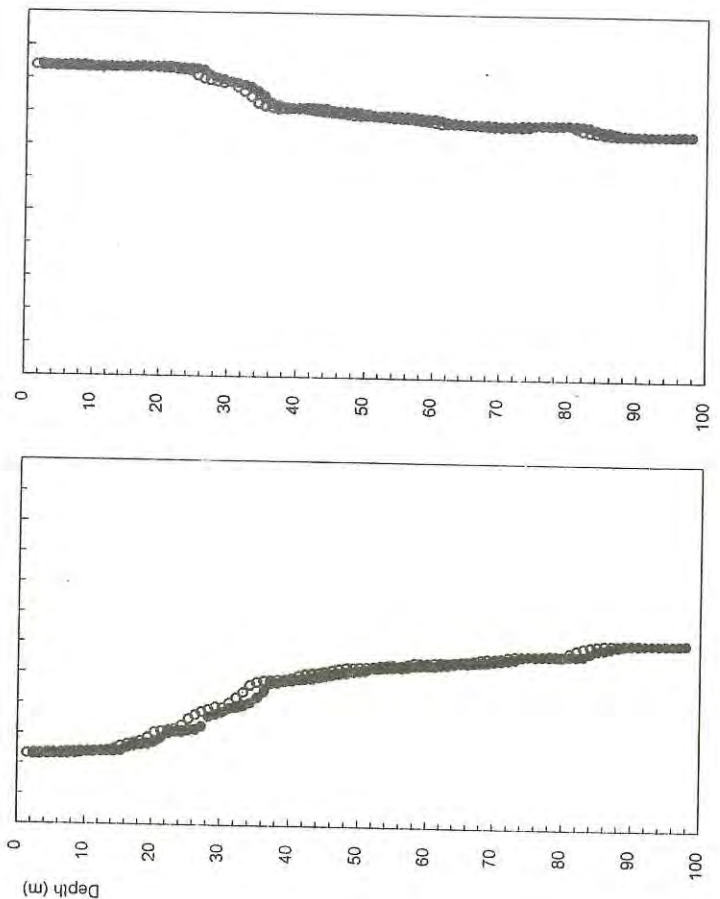
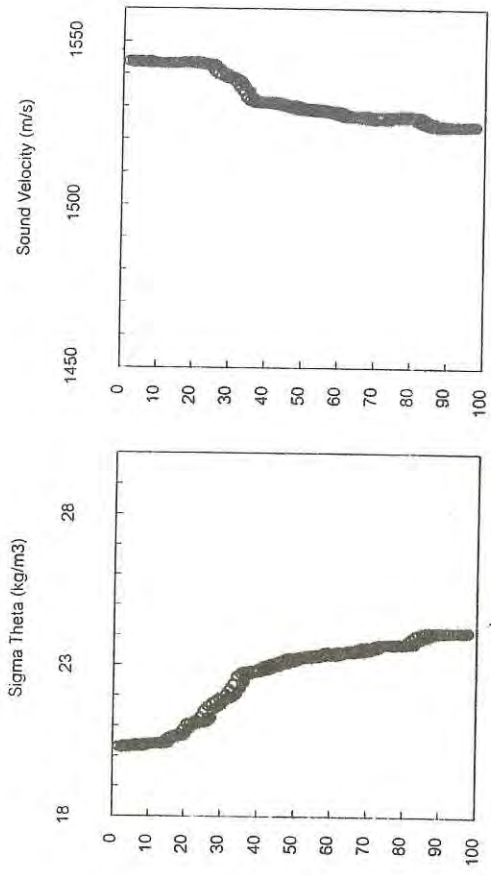
Station 008

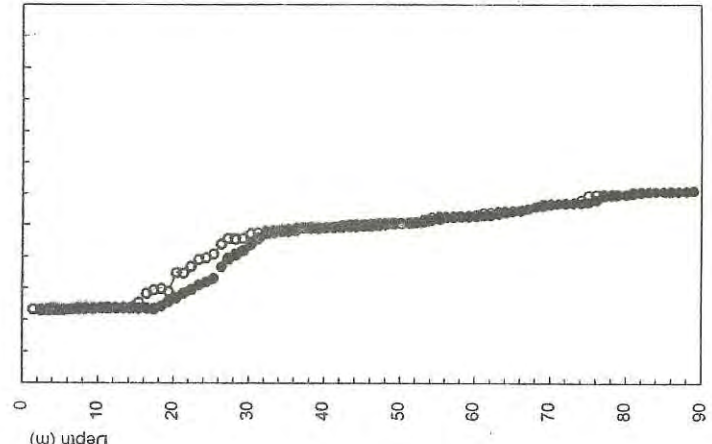
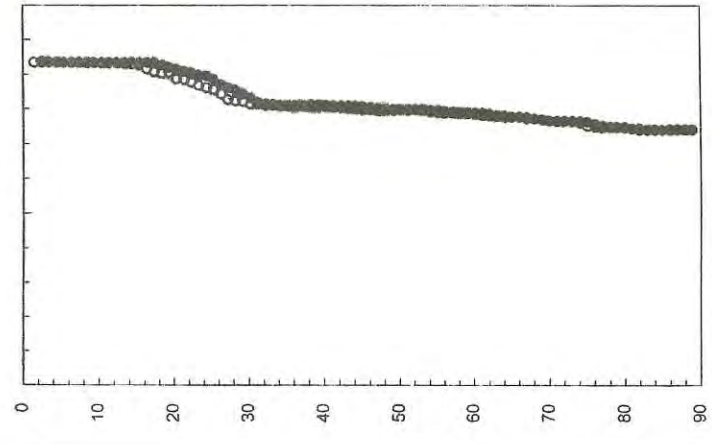
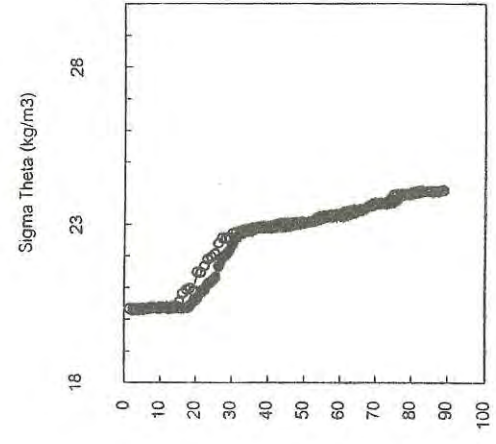
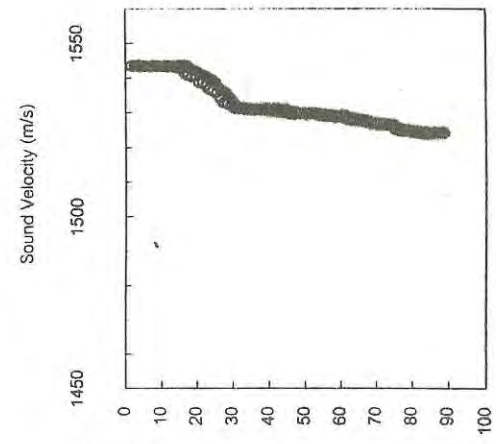
● = Downcast

Station 008

○ = Upcast





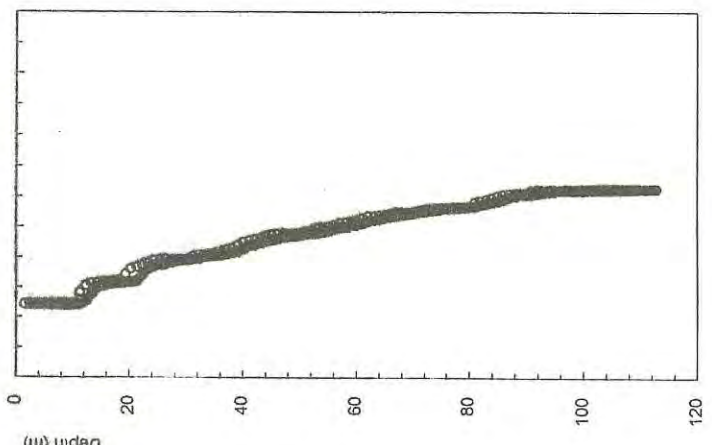
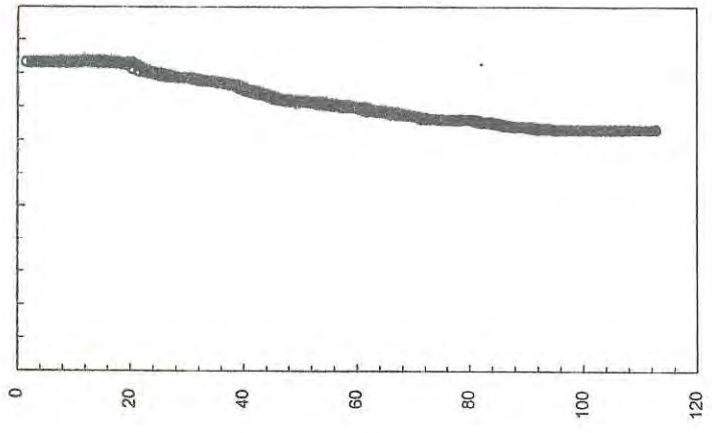
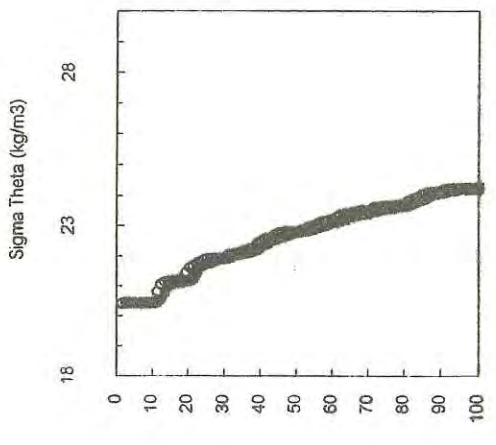
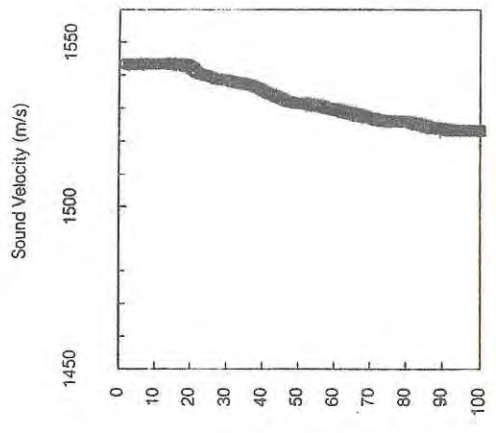


Station 014

o = Upcast

Station 014

● = Downcast

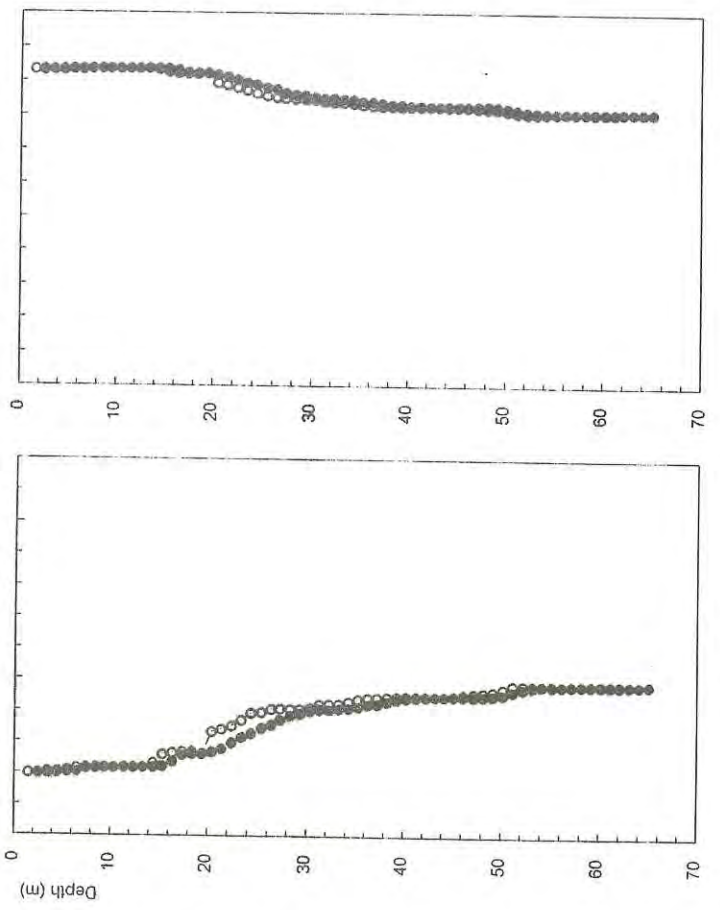
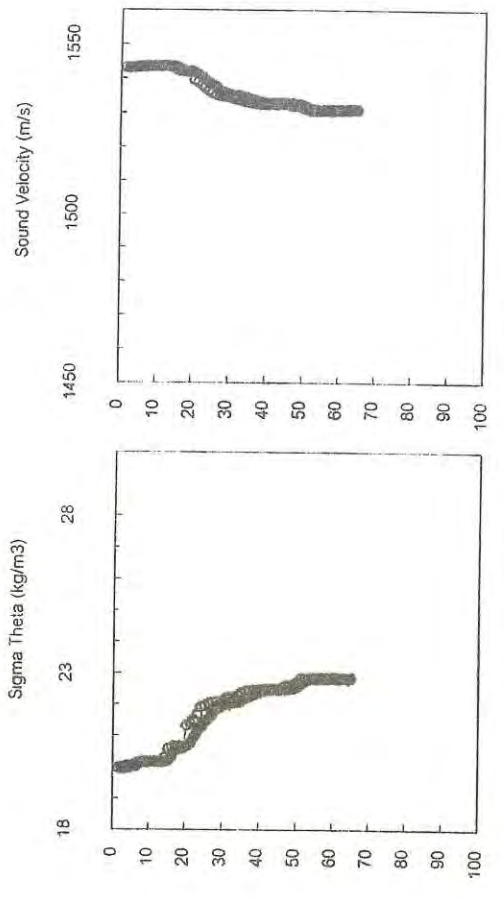
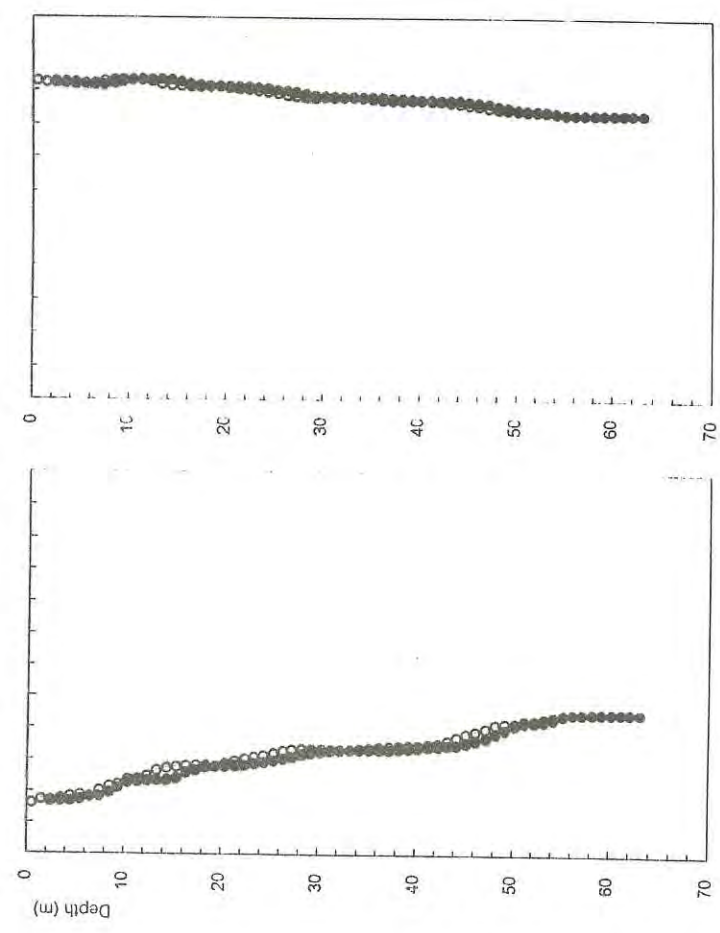
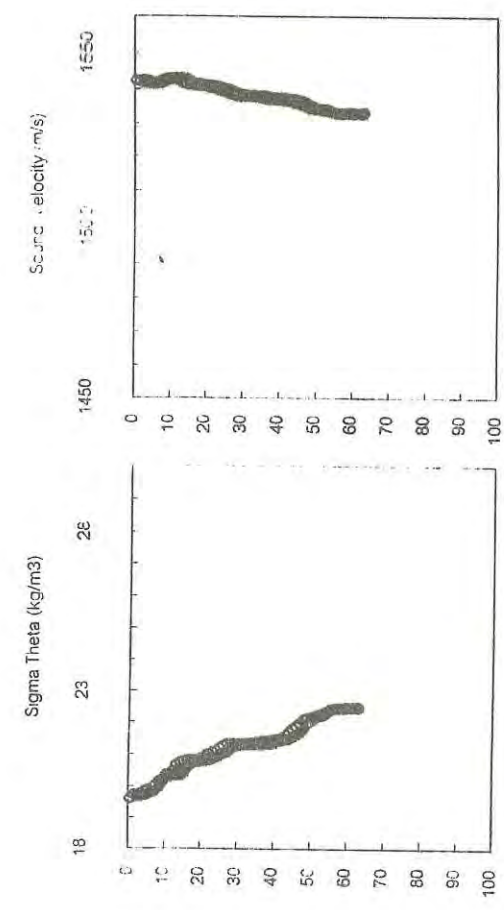


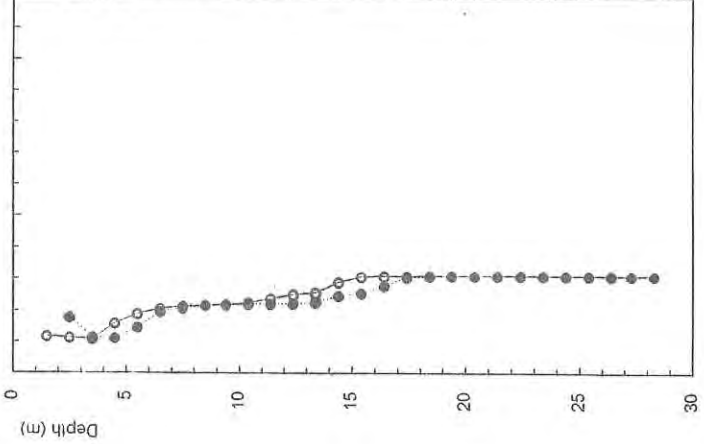
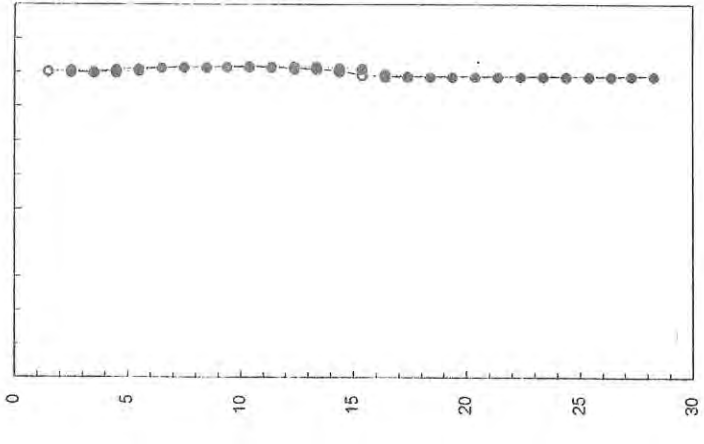
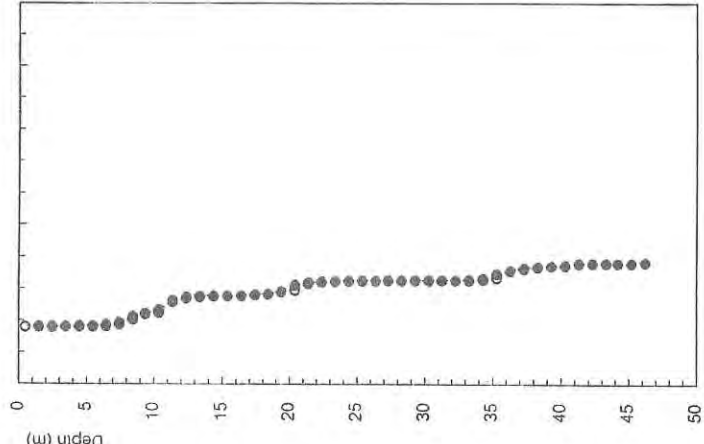
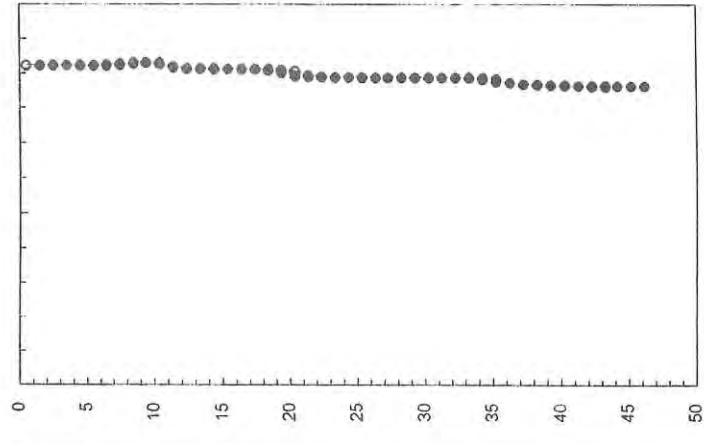
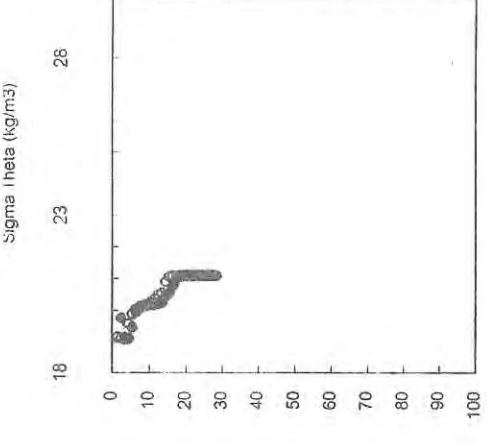
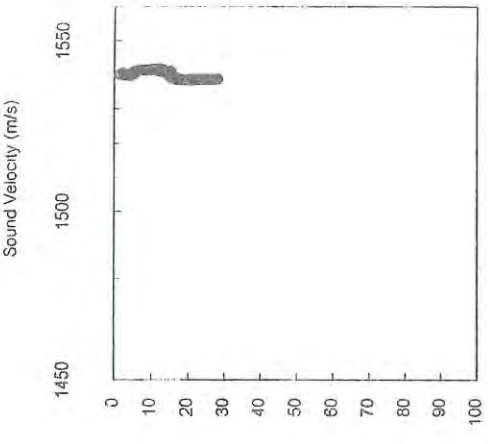
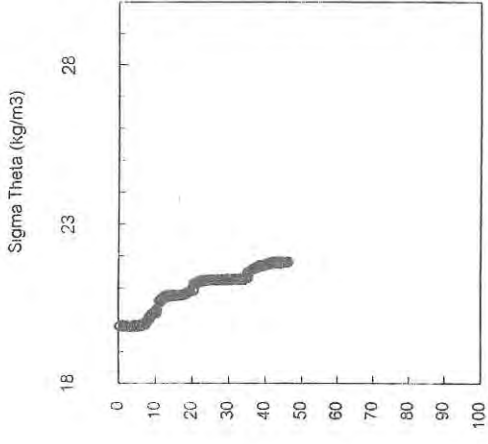
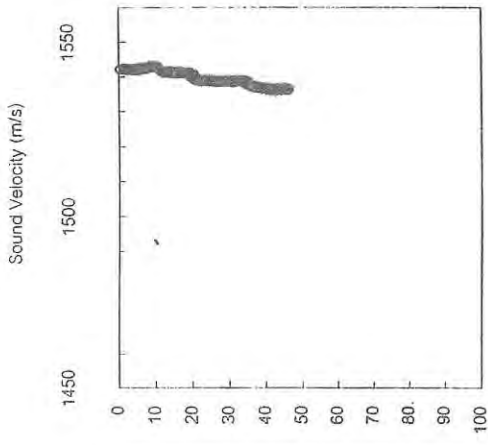
Station 013

o = Upcast

Station 013

● = Downcast





Station 018

o = Upcast

Station 018

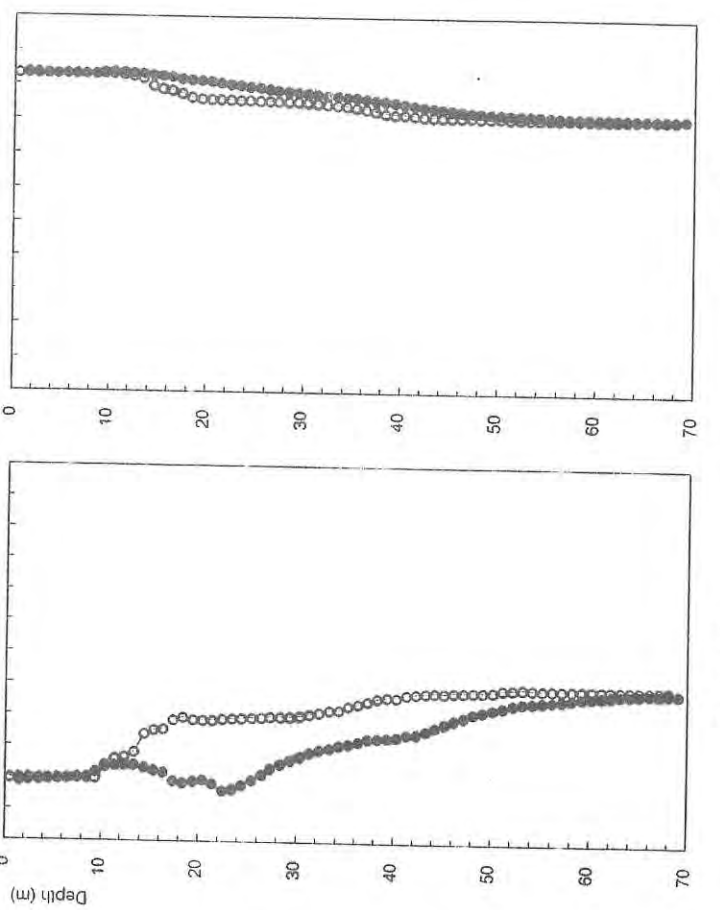
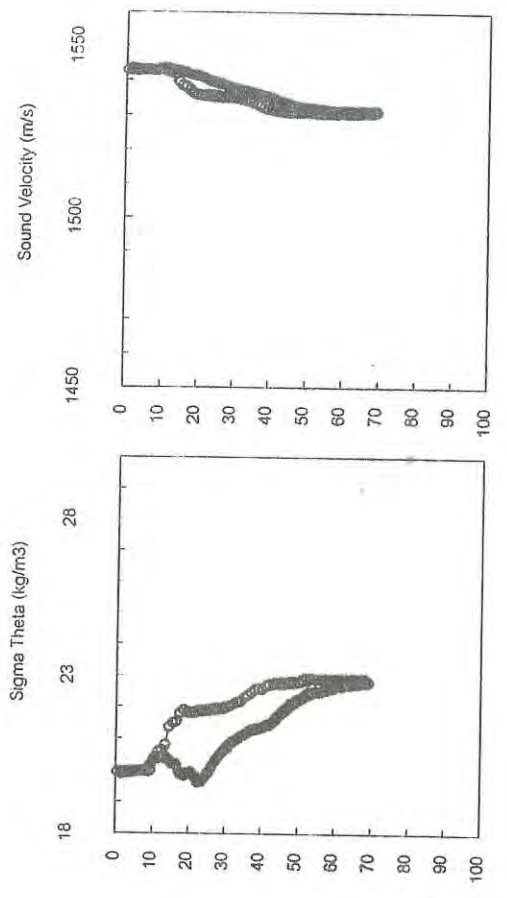
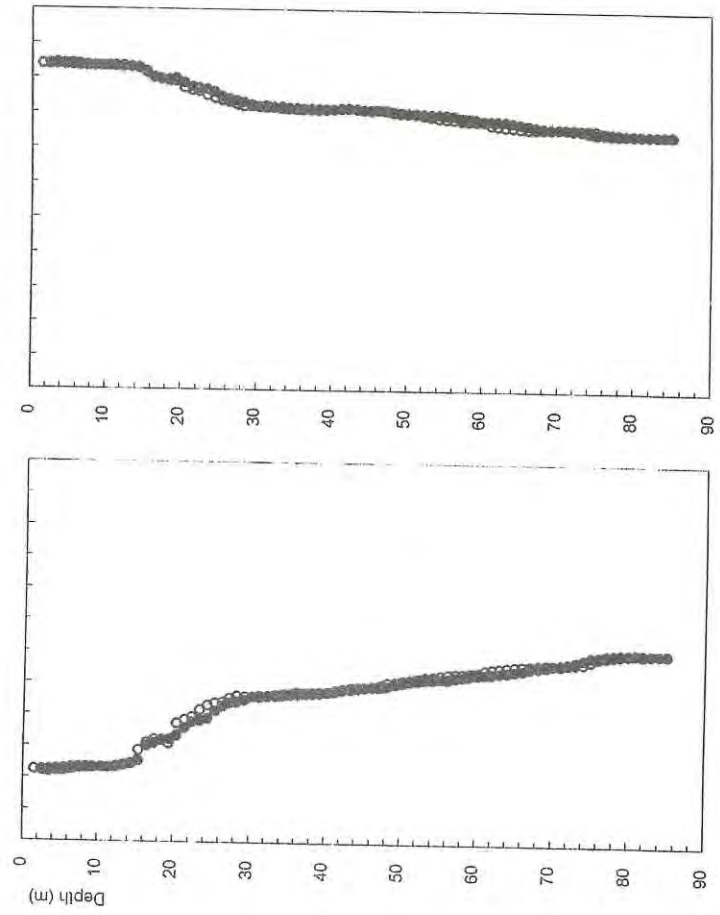
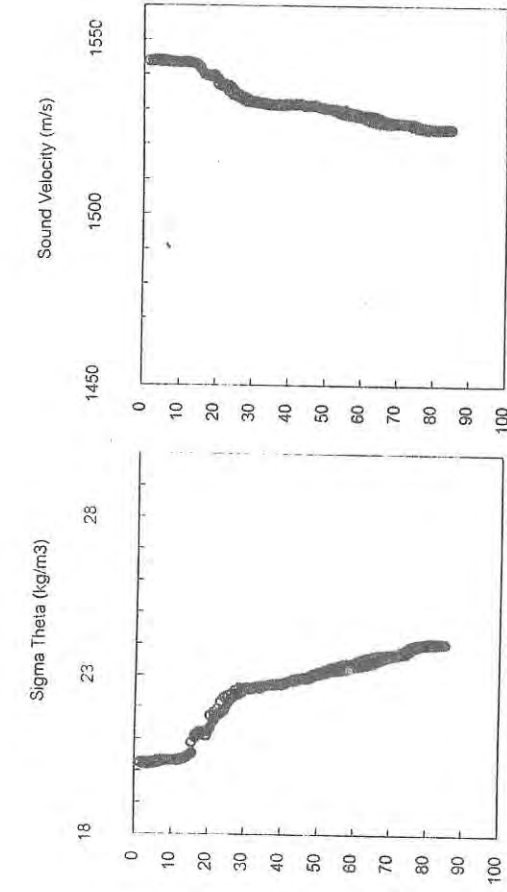
● = Downcast

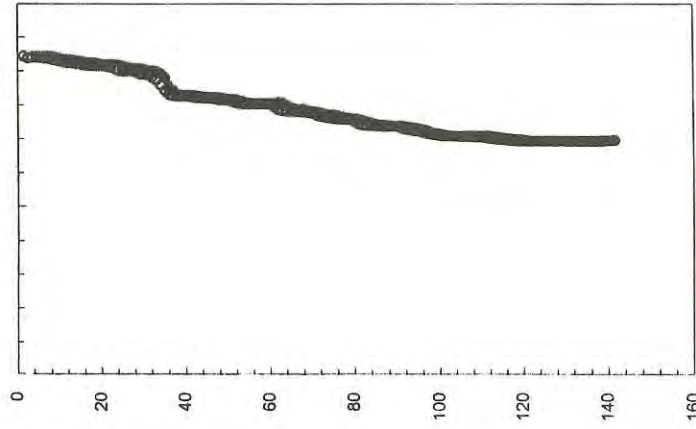
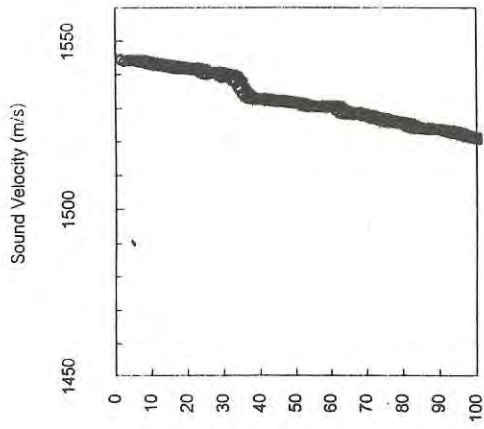
Station 017

o = Upcast

Station 017

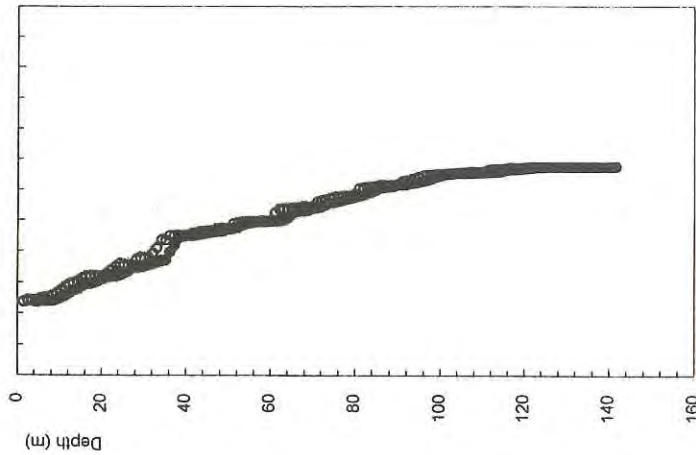
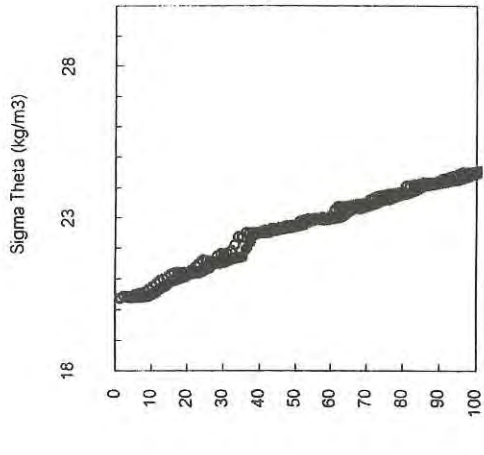
● = Downcast





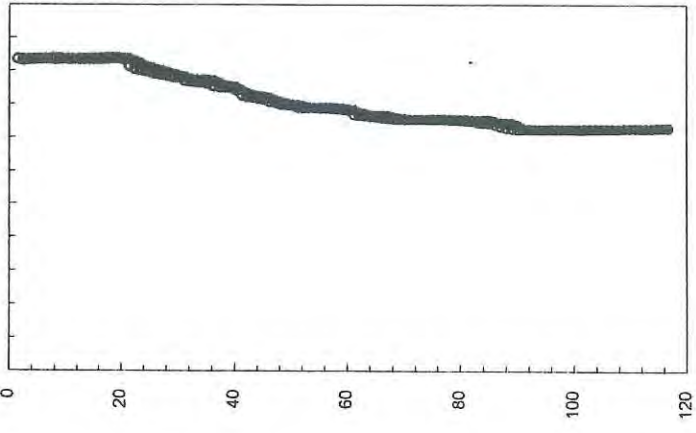
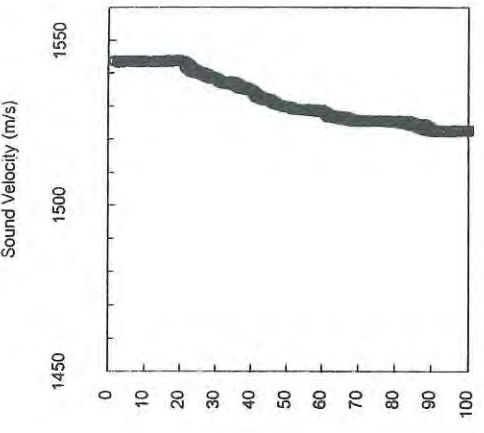
Station 022

o = Upcast



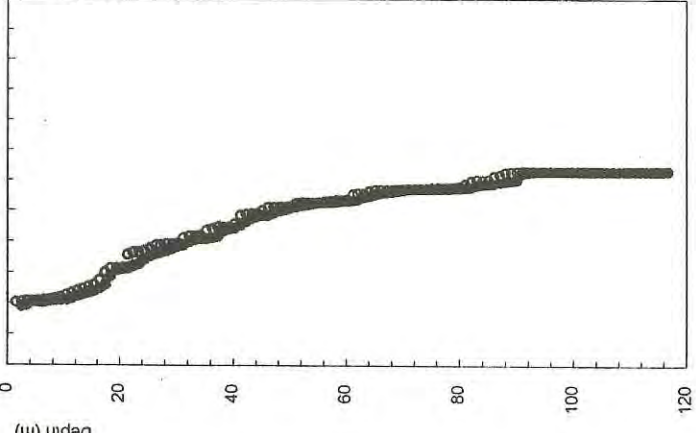
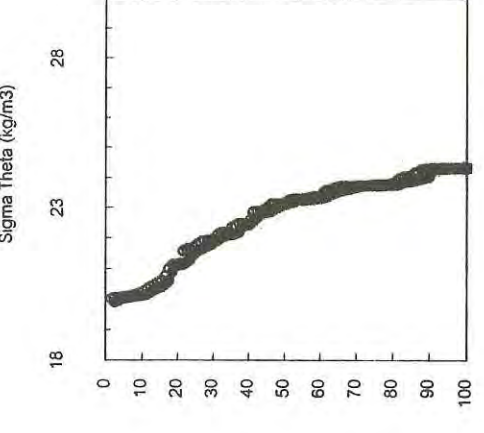
Station 022

● = Downcast



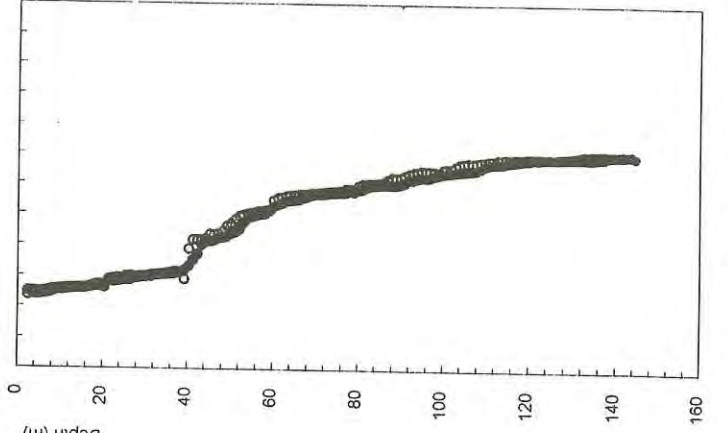
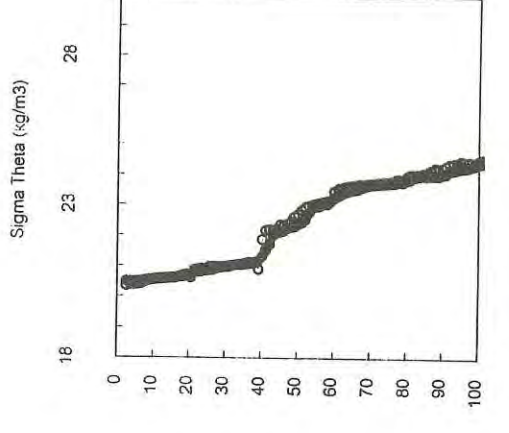
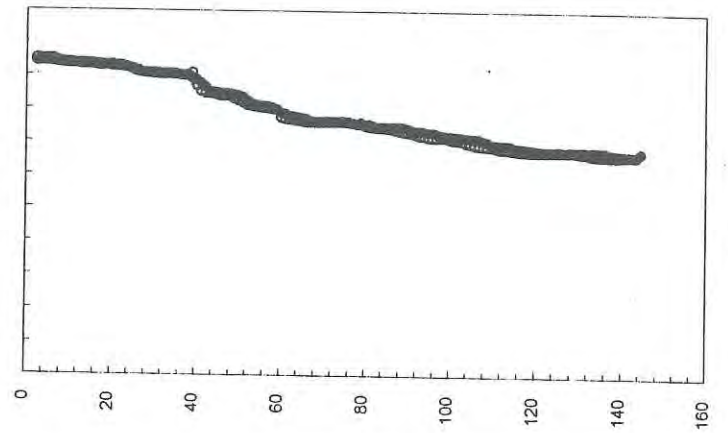
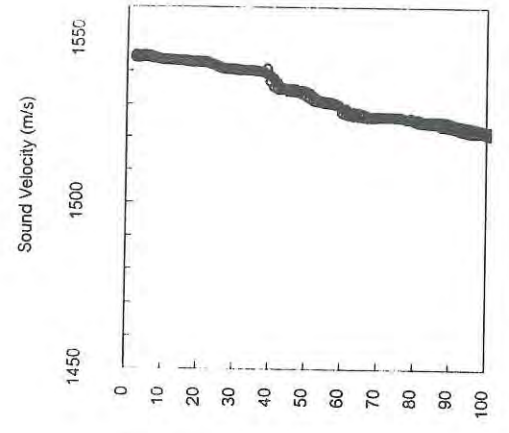
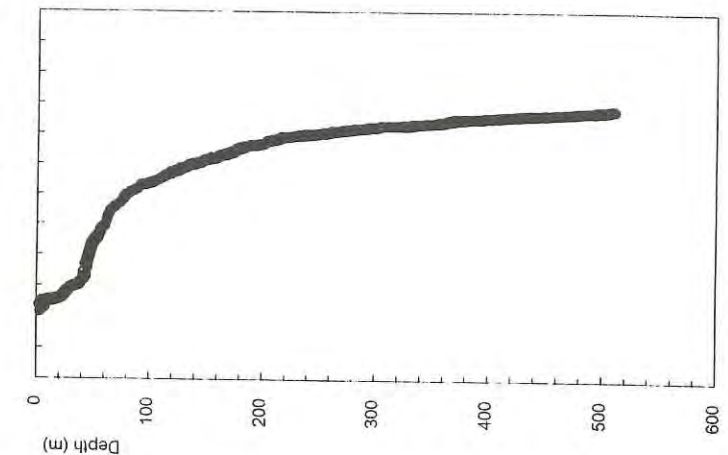
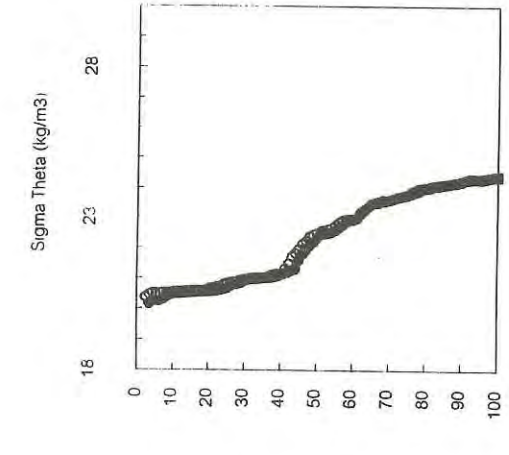
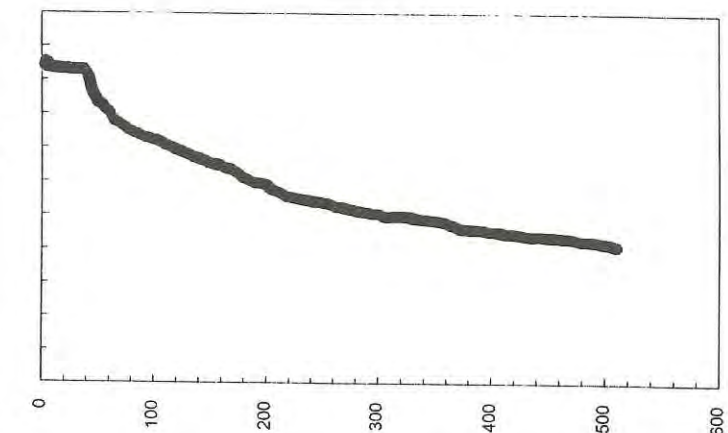
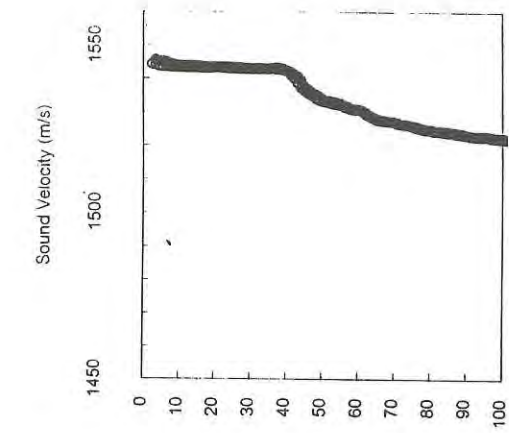
Station 021

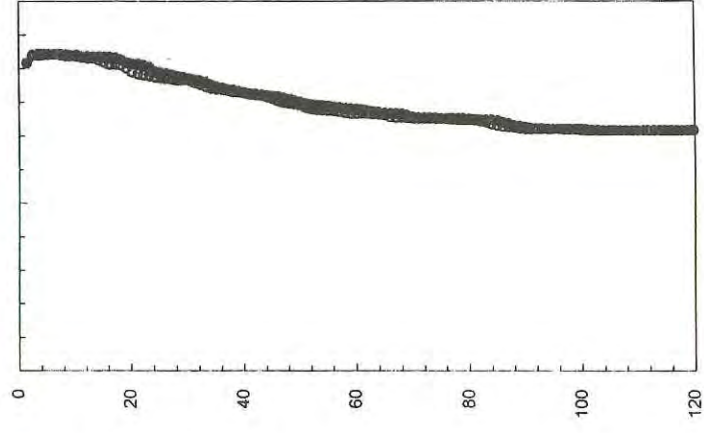
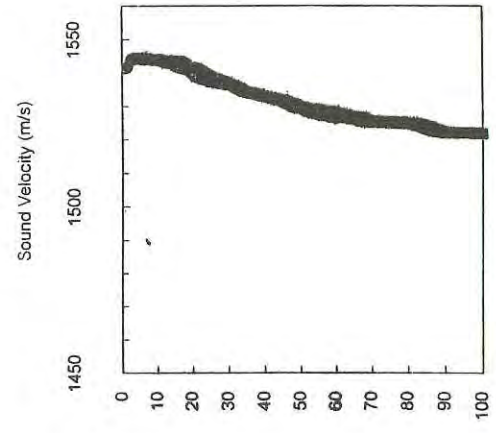
o = Upcast



Station 021

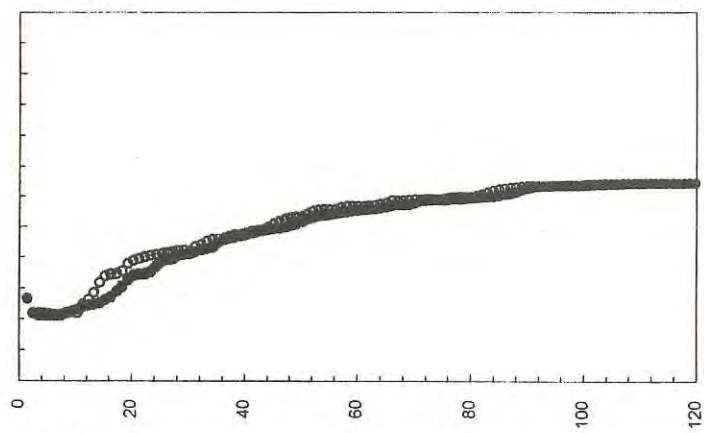
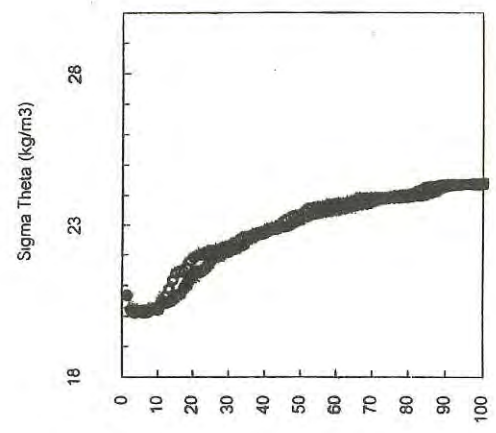
● = Downcast





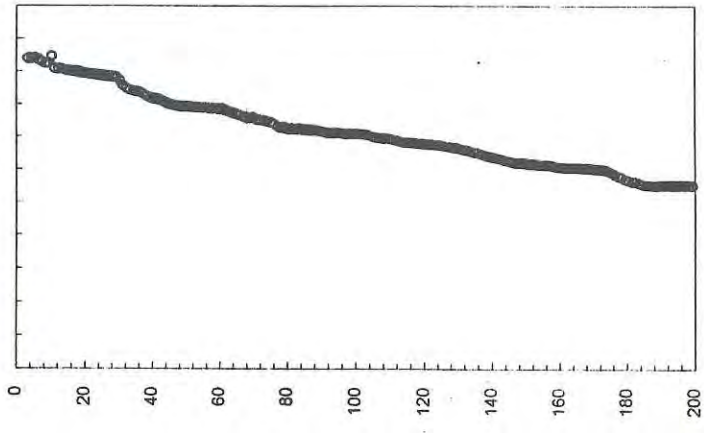
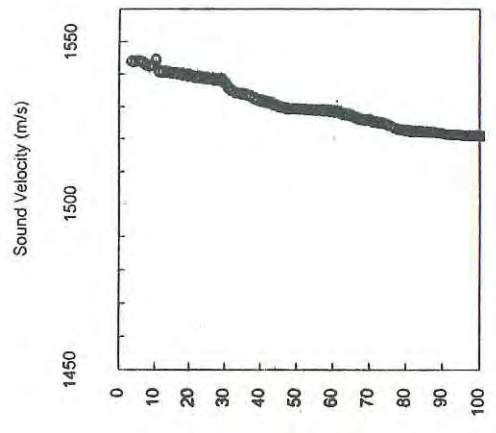
Station 026

o = Upcast



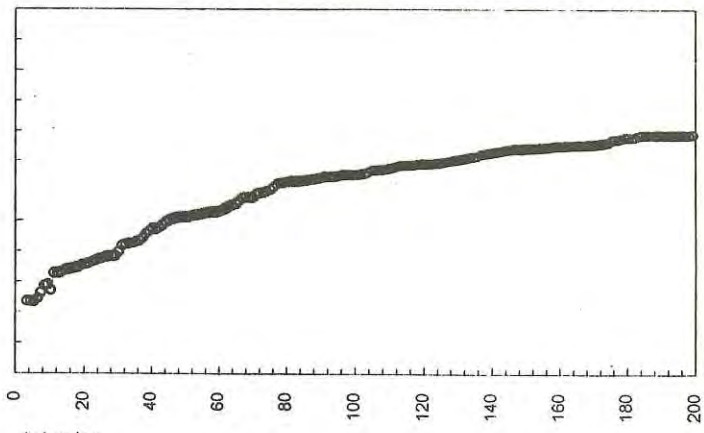
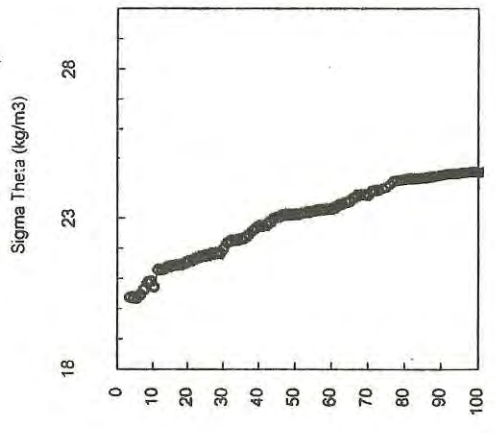
Station 026

● = Downcast



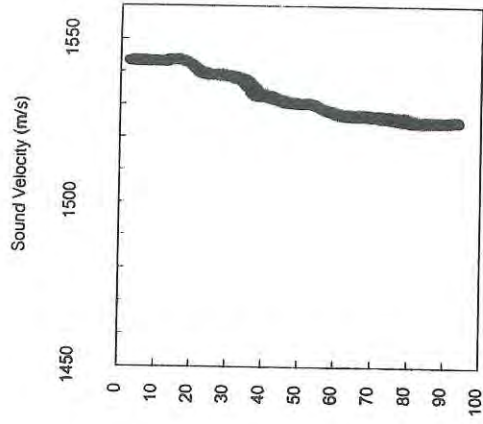
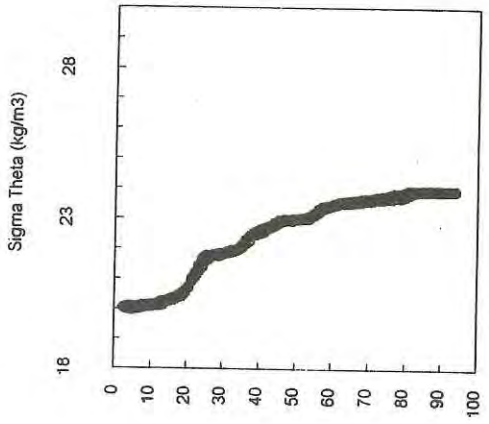
Station 025

o = Upcast

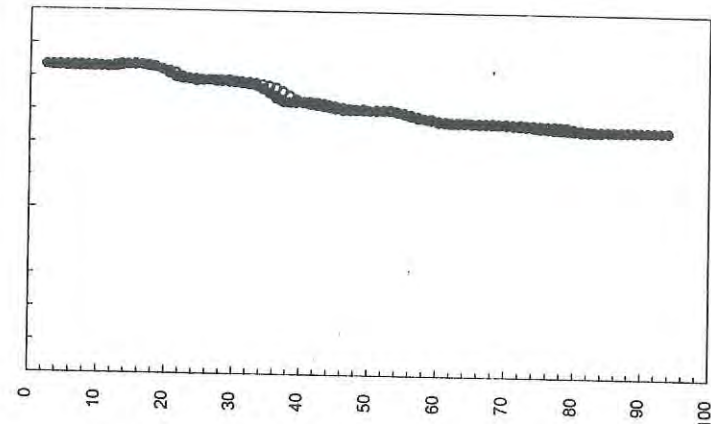
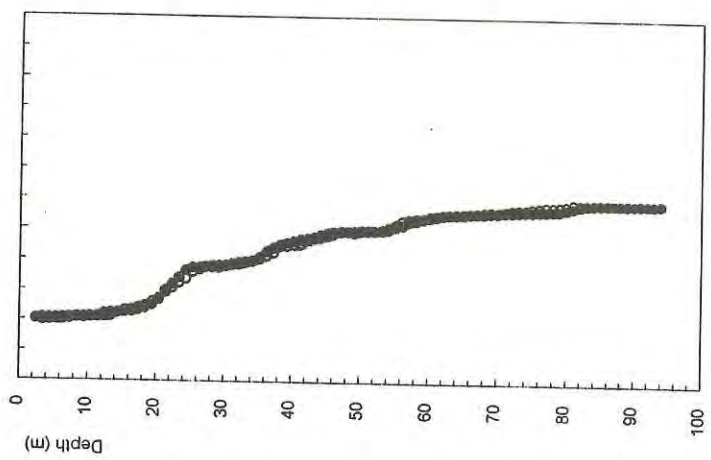


Station 025

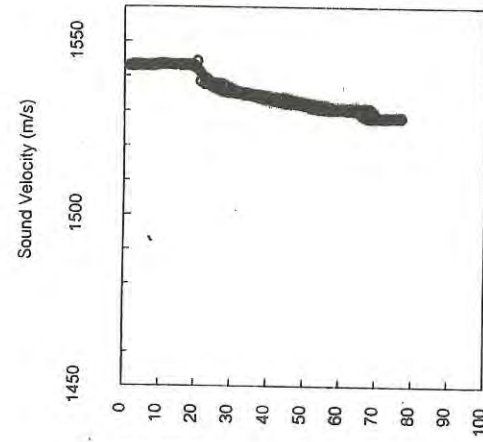
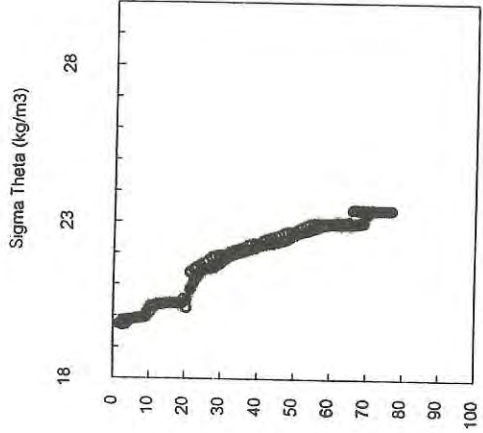
● = Downcast



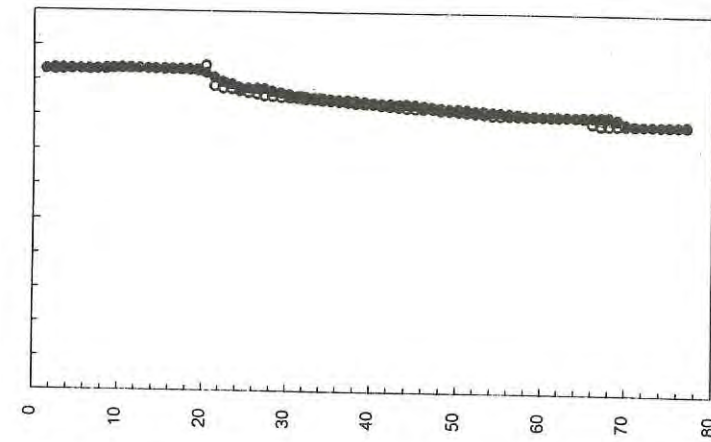
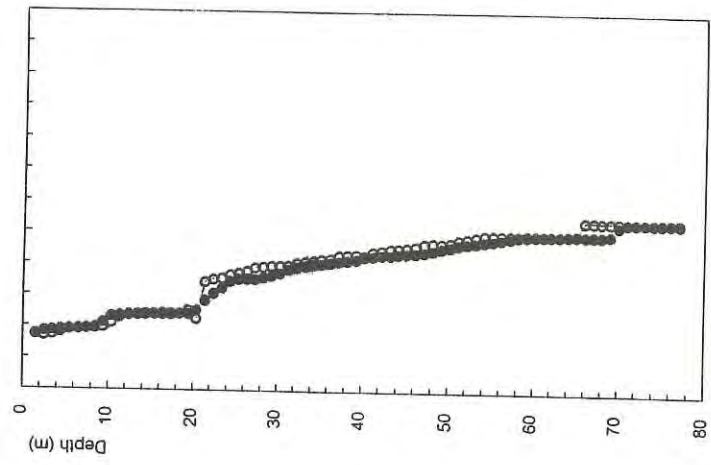
Station 027
● = Downcast



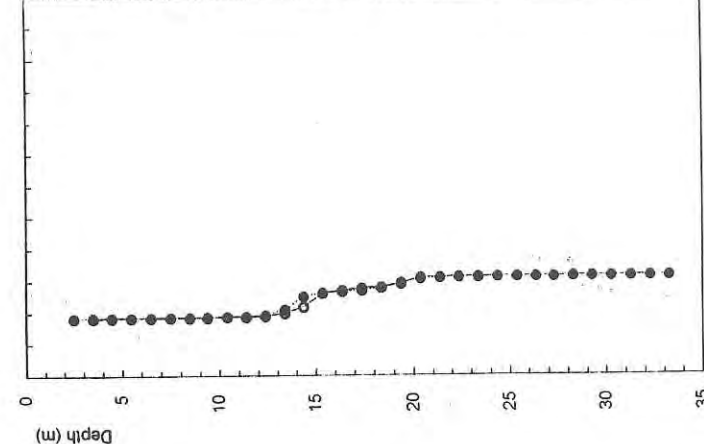
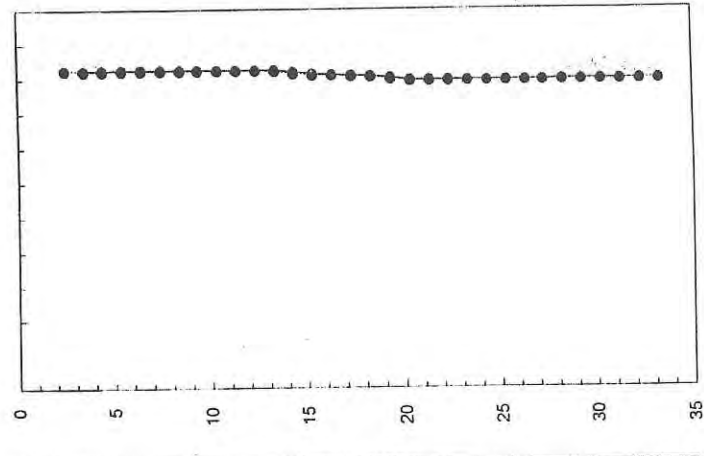
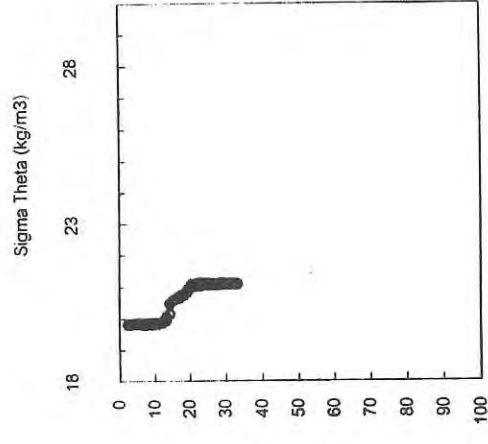
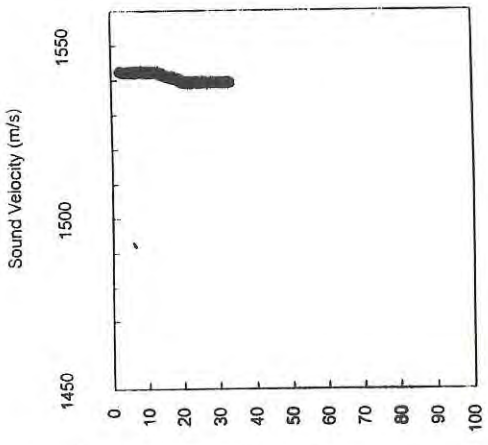
Station 027
○ = Upcast



Station 028
● = Downcast



Station 028
○ = Upcast

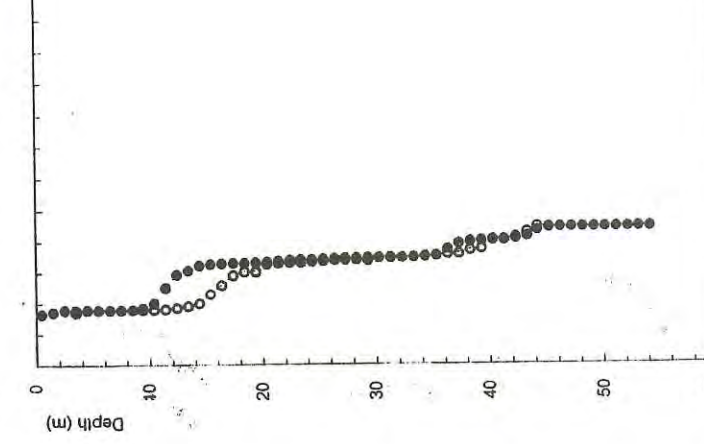
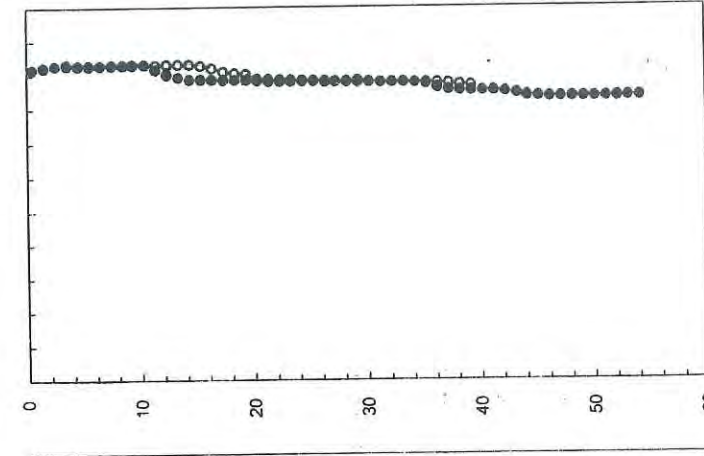
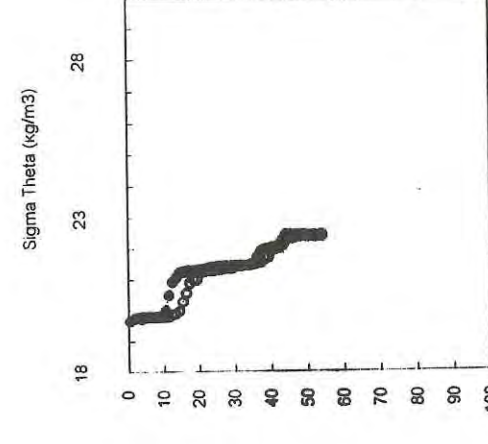
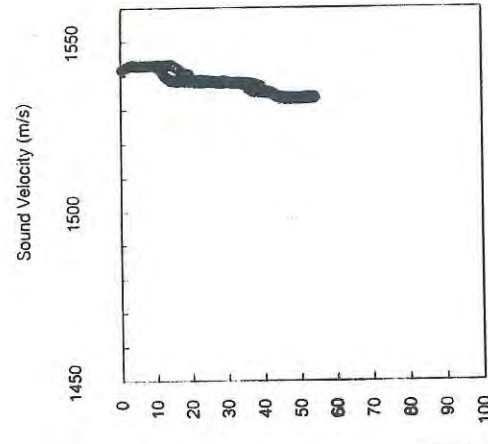


Station 030

o = Upcast

Station 030

● = Downcast

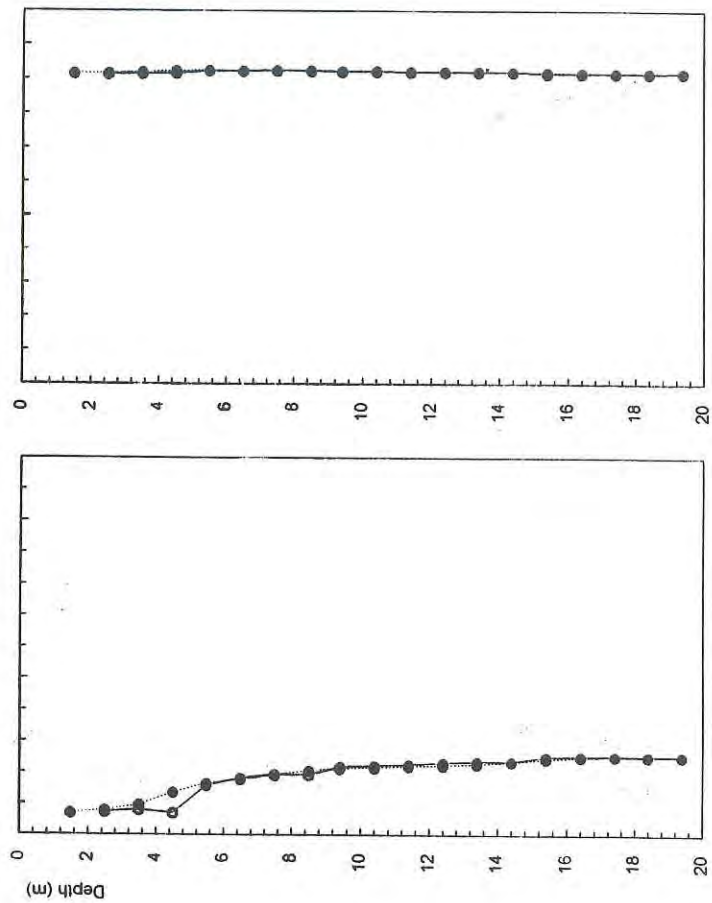
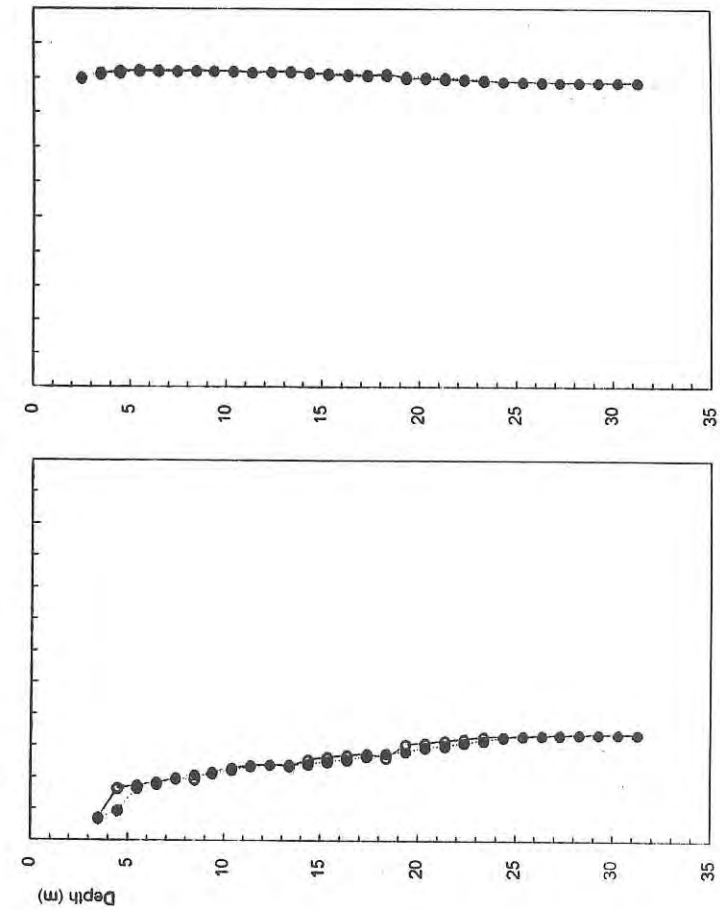
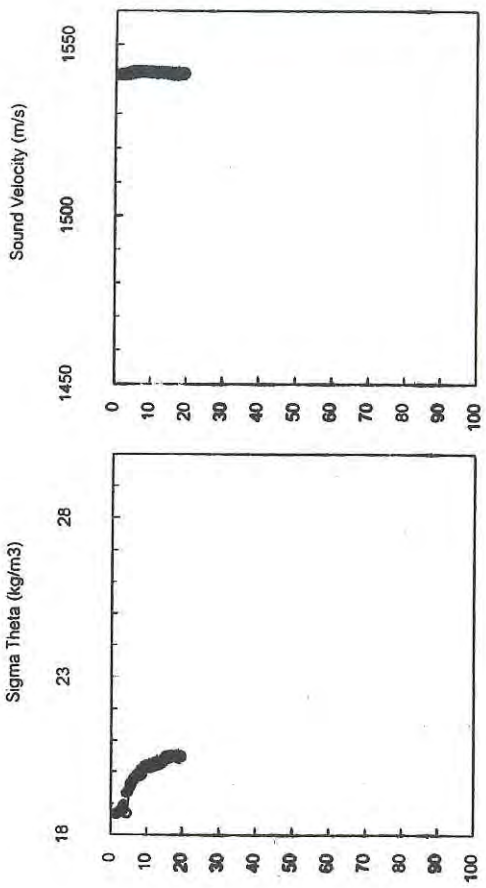
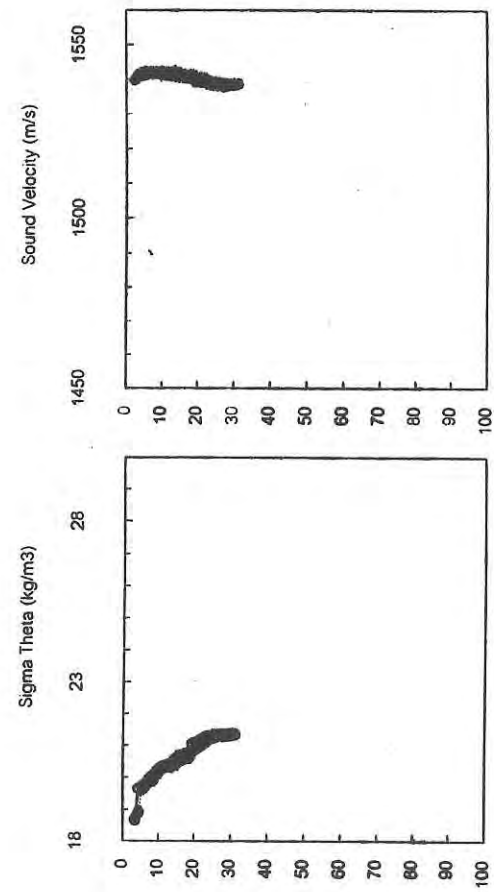


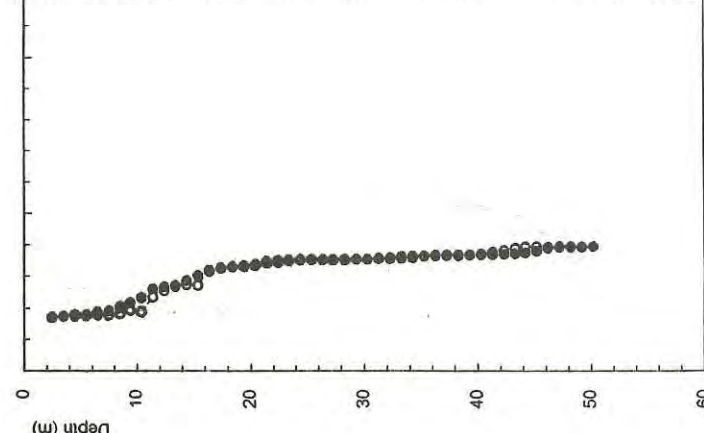
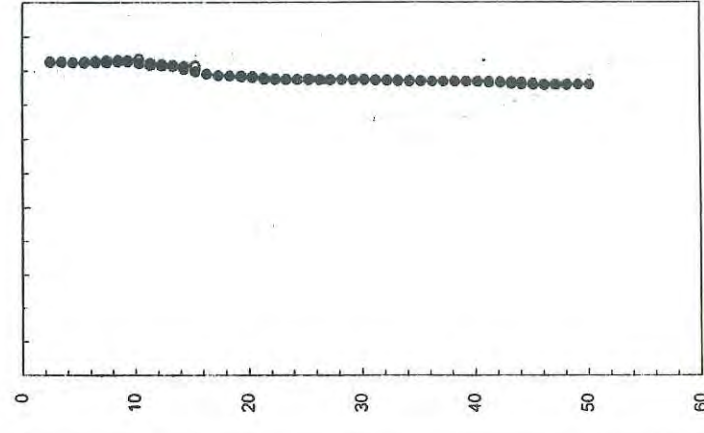
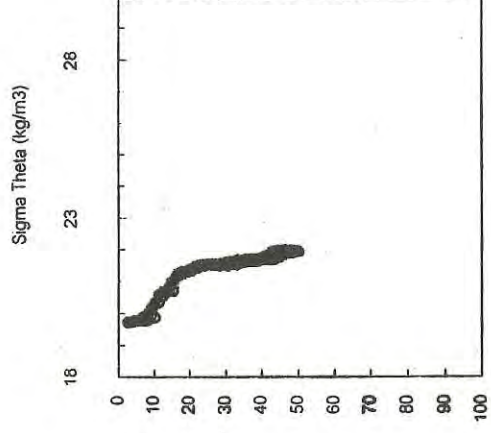
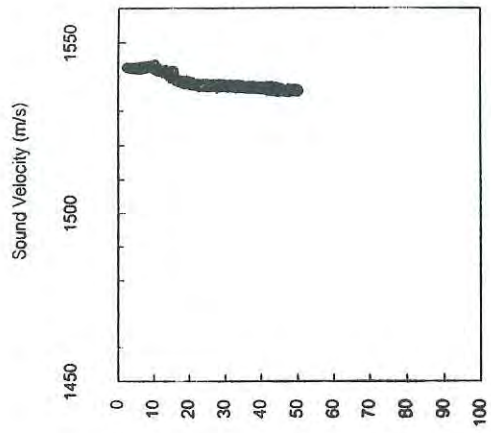
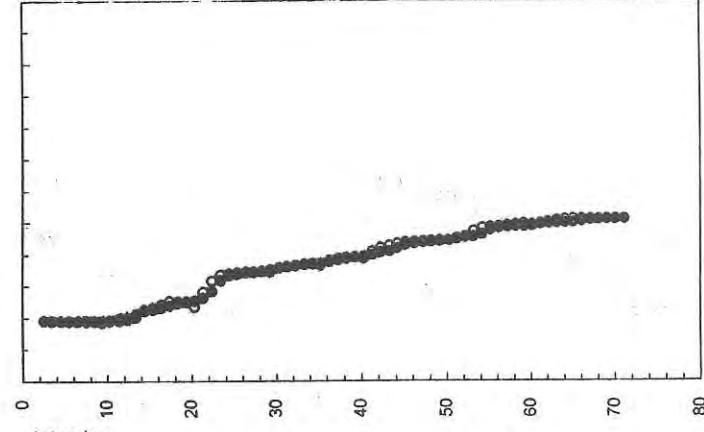
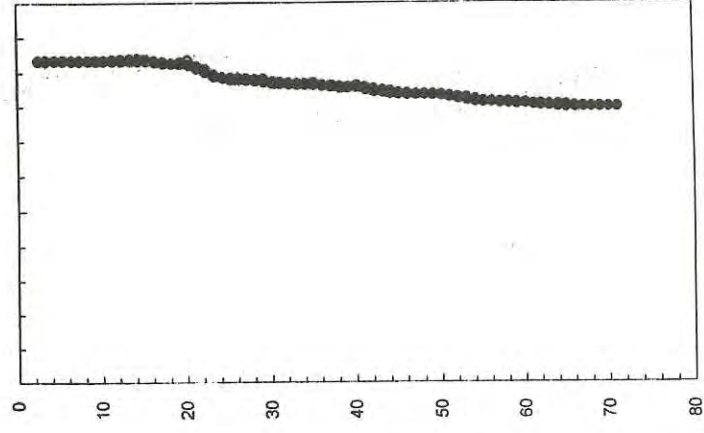
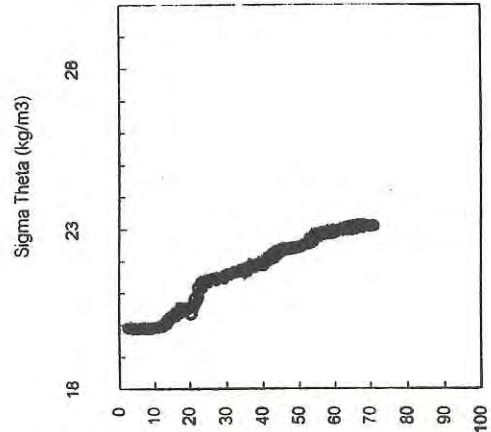
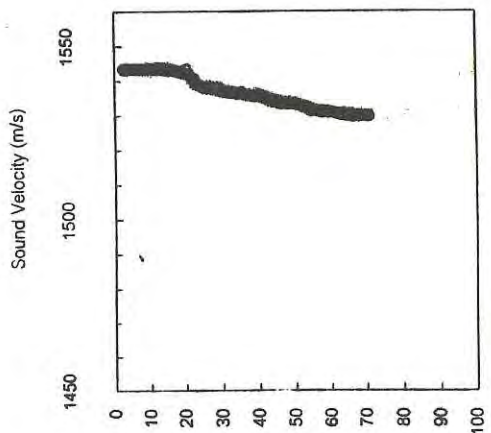
Station 029

o = Upcast

Station 029

● = Downcast





Station 034

o = Upcast

Station 034

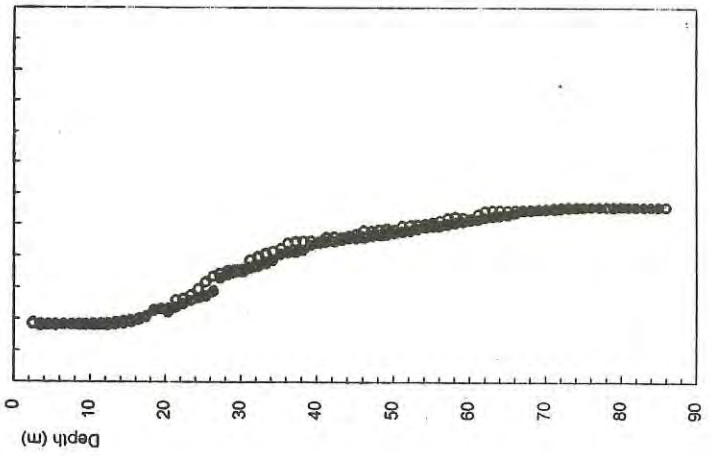
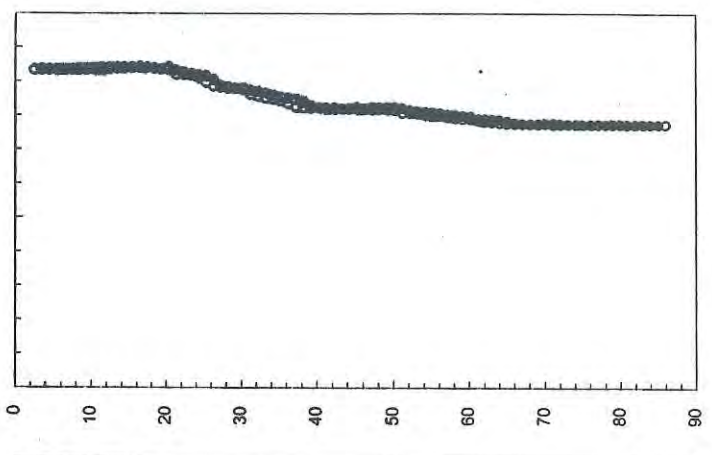
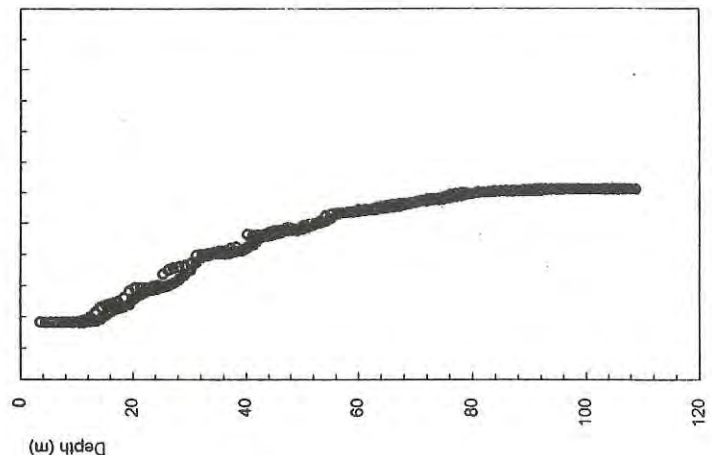
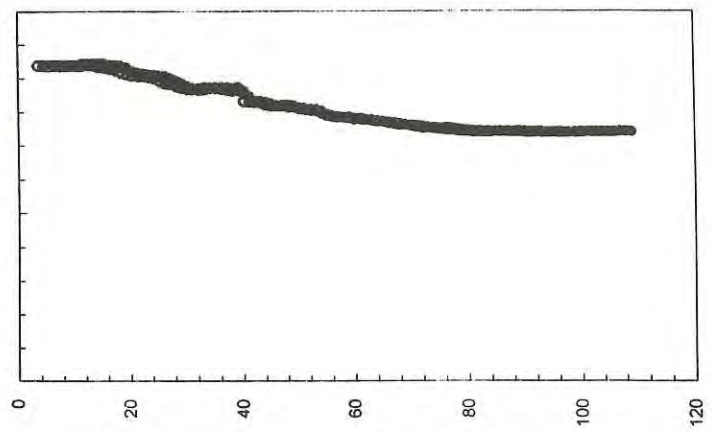
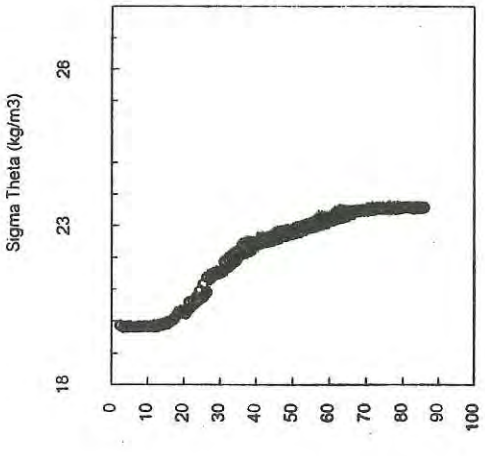
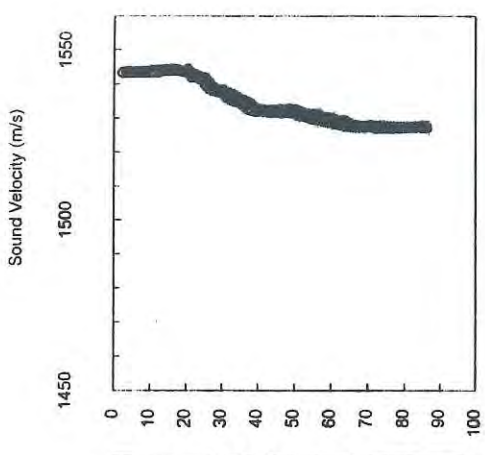
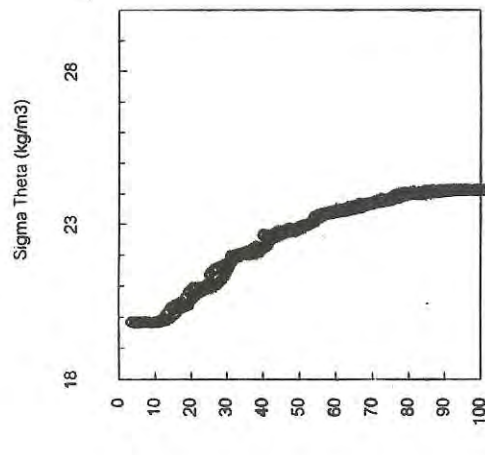
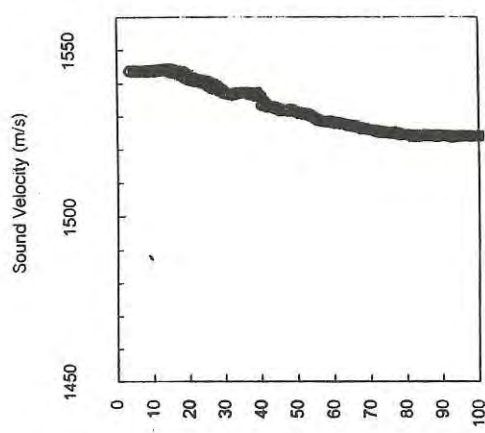
● = Downcast

Station 033

o = Upcast

Station 033

● = Downcast



Station 036

Station 036

Station 035

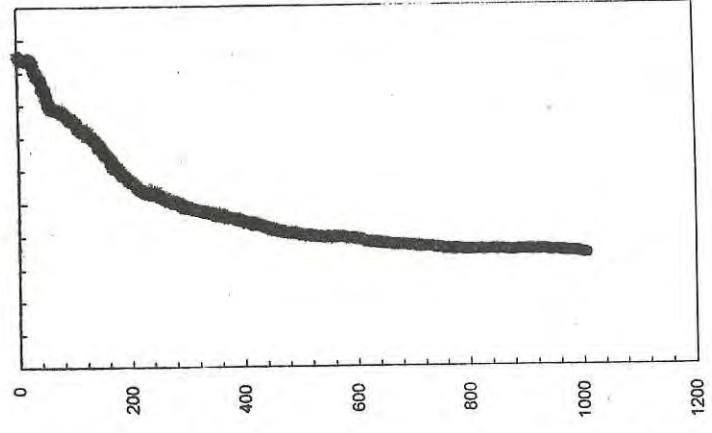
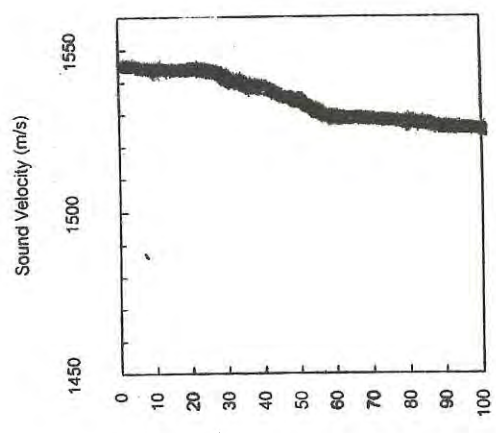
Station 035

o = Upcast

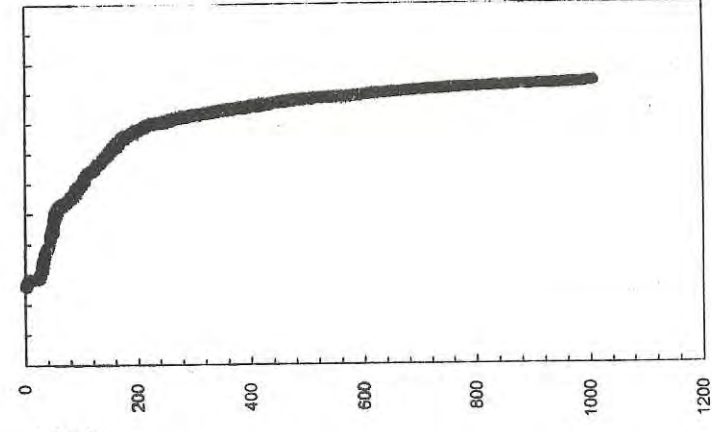
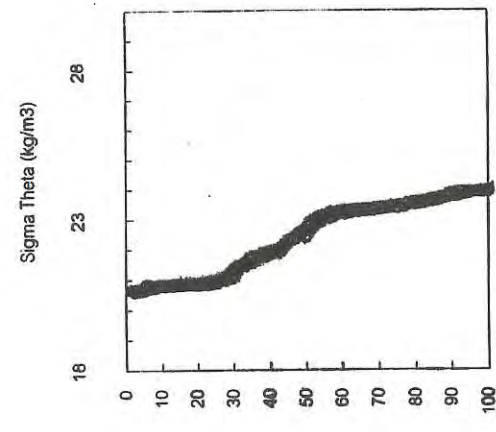
● = Downcast

o = Upcast

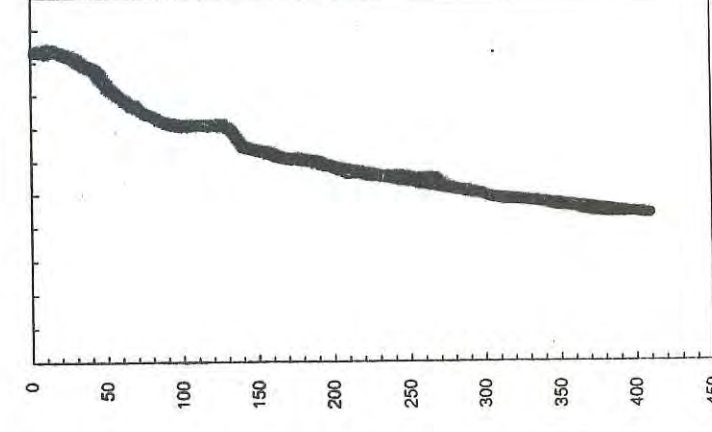
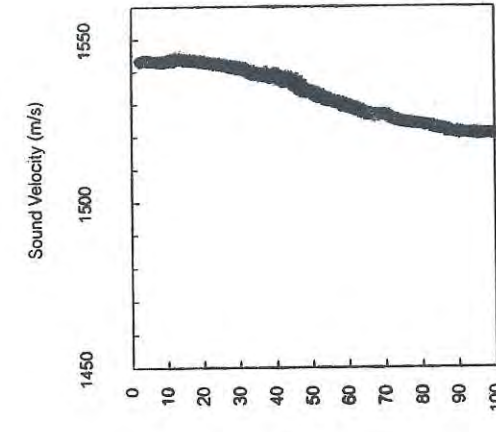
● = Downcast



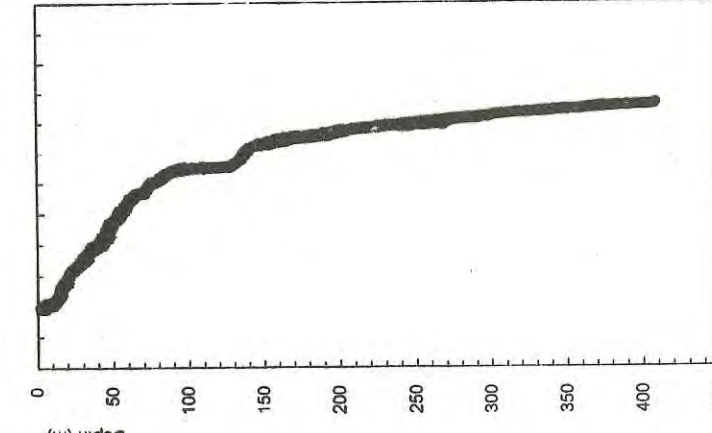
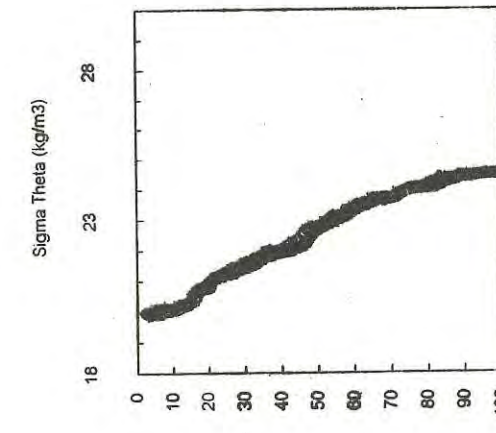
Station 038
o = Upcast



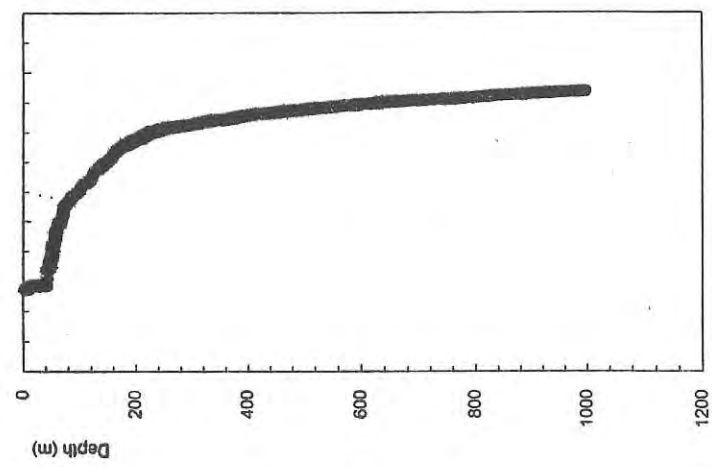
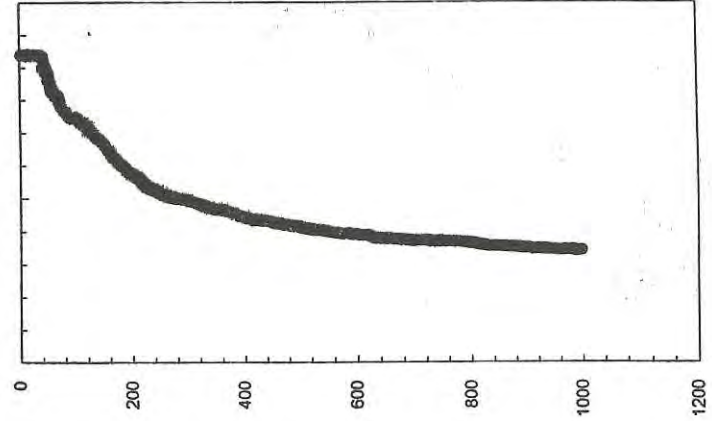
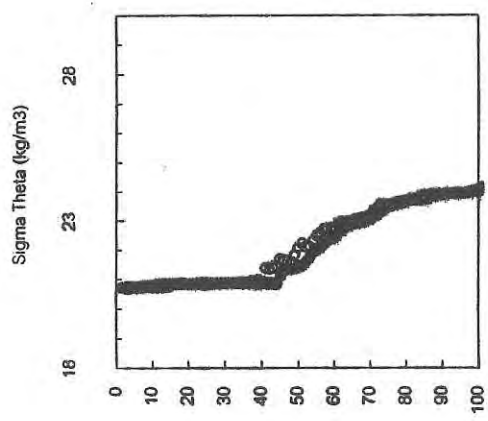
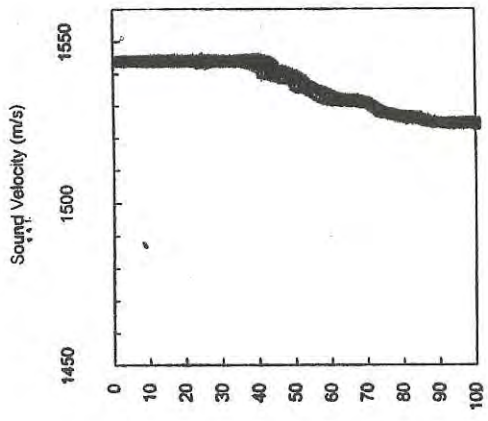
Station 037
● = Downcast



Station 037
o = Upcast



Station 037
● = Downcast

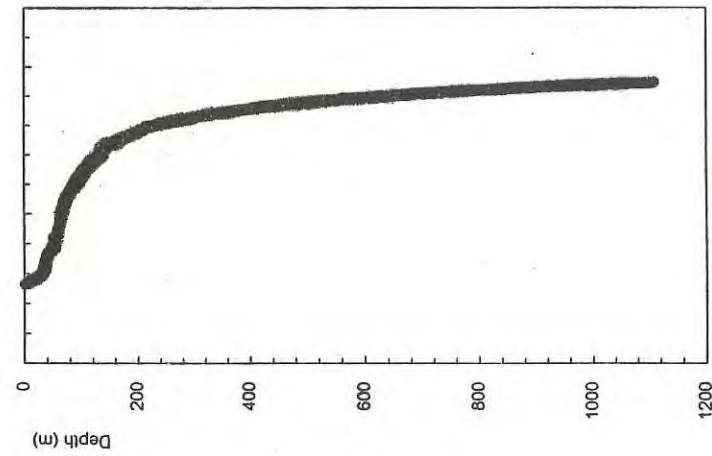
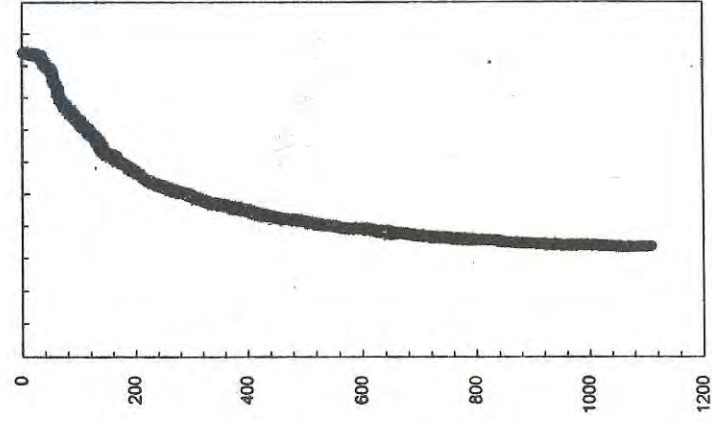
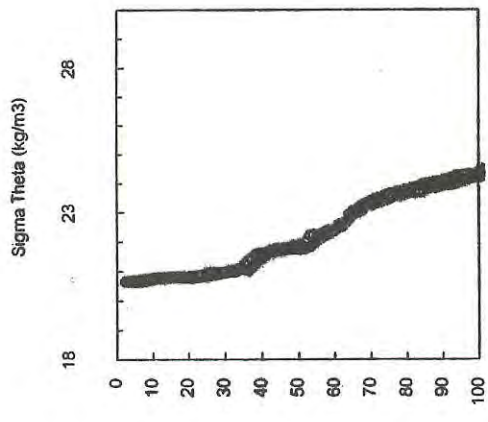
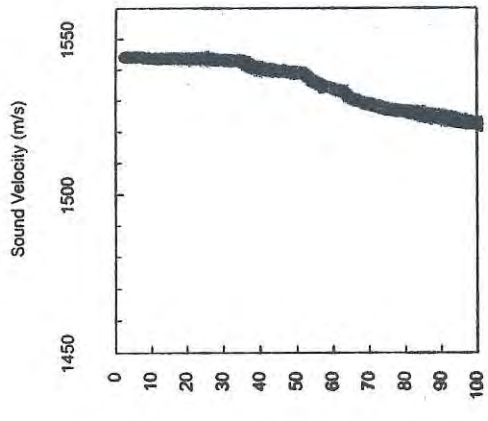


Station 040

o = Upcast

Station 040

● = Downcast

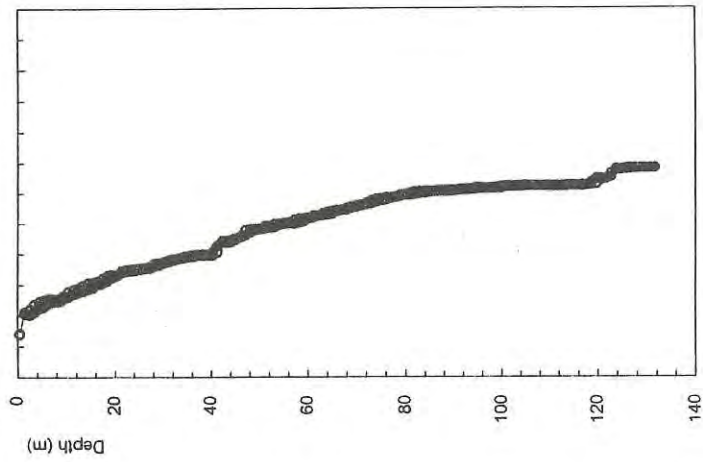
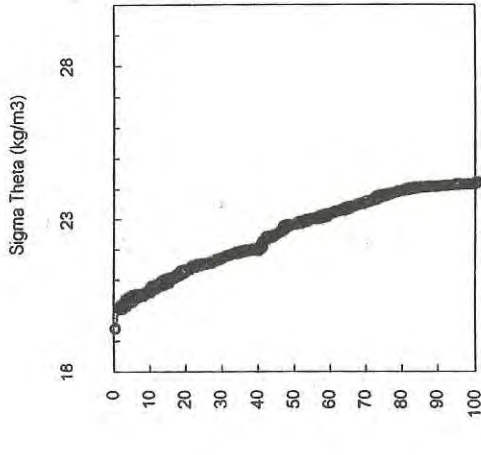
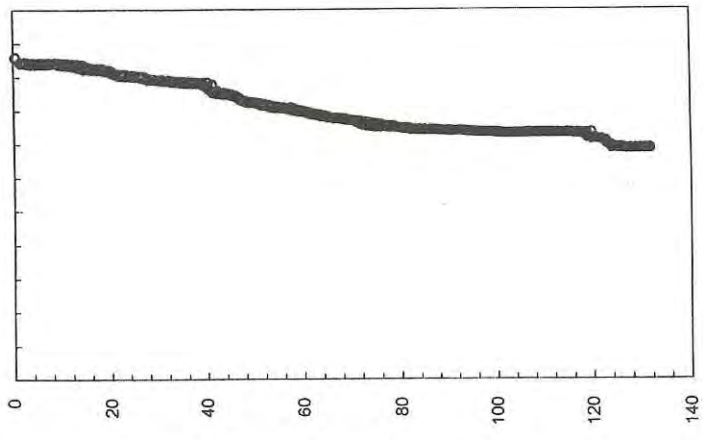
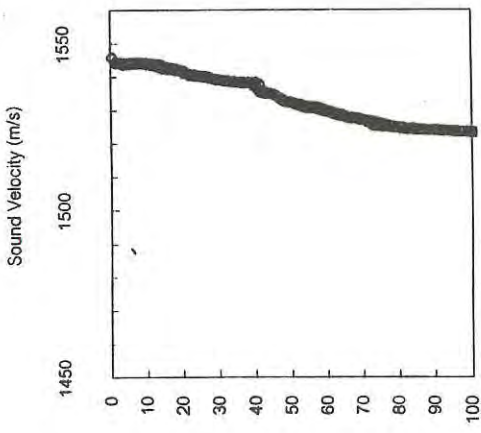


Station 039

o = Upcast

Station 039

● = Downcast

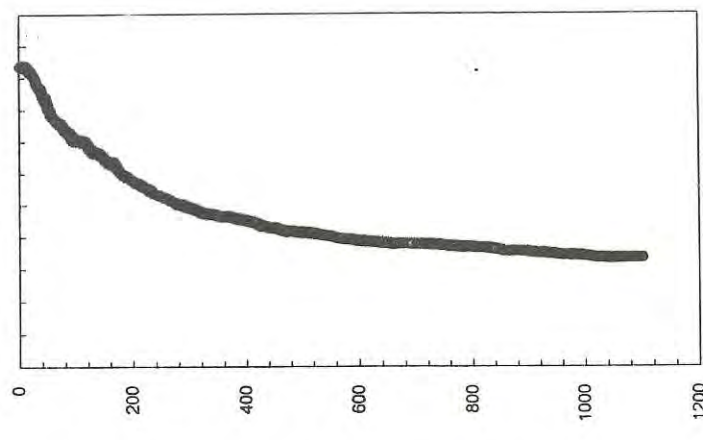
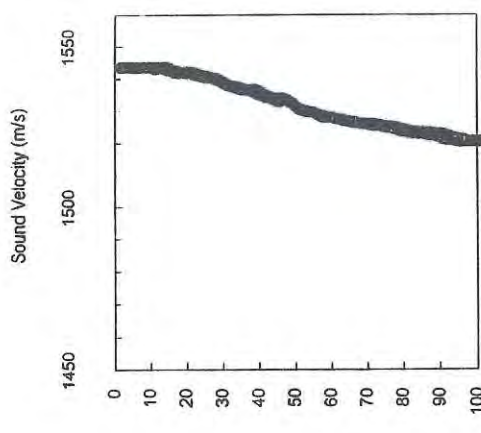


Station 042

o = Upcast

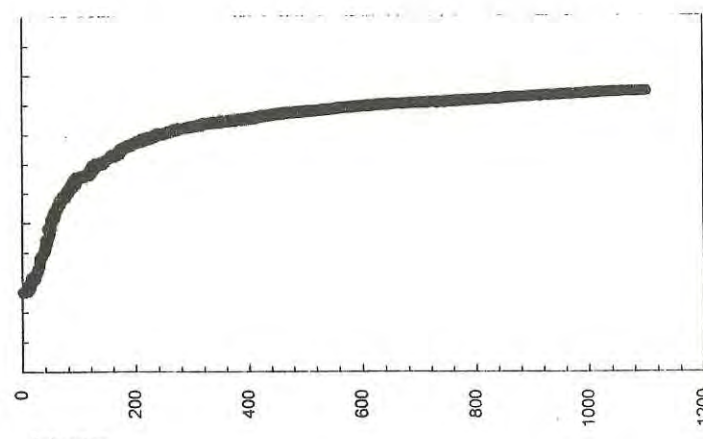
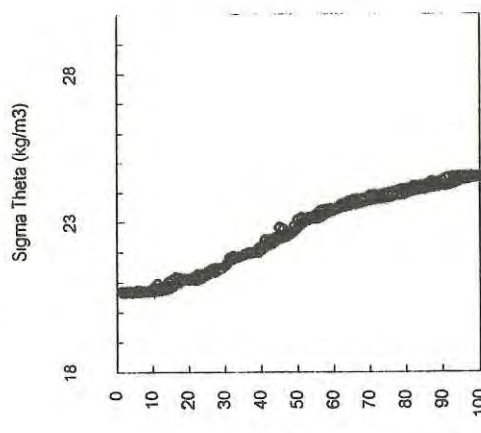
Station 042

● = Downcast



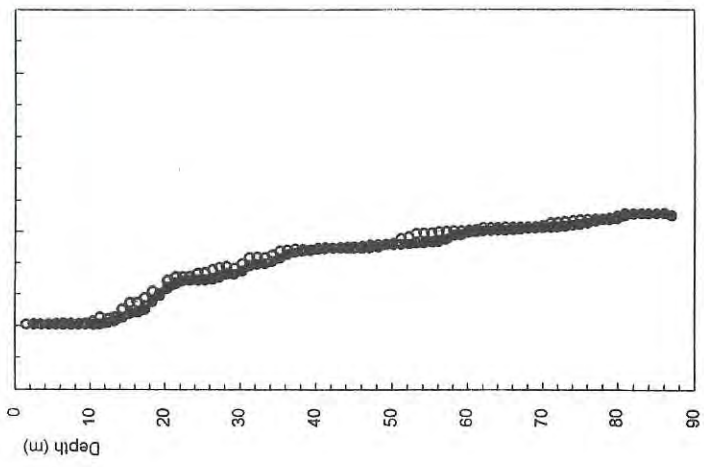
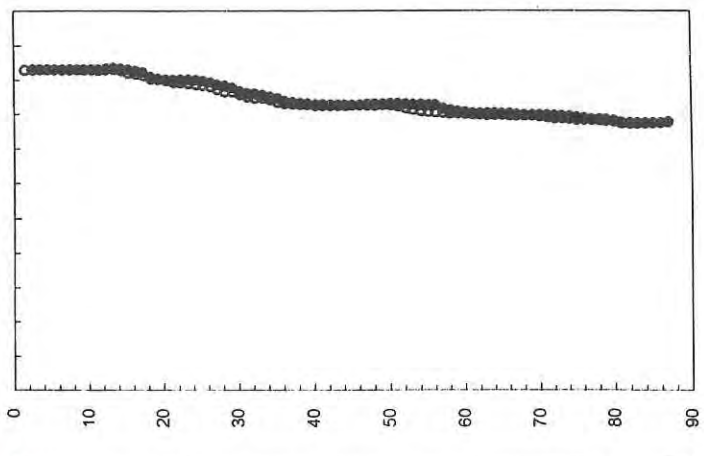
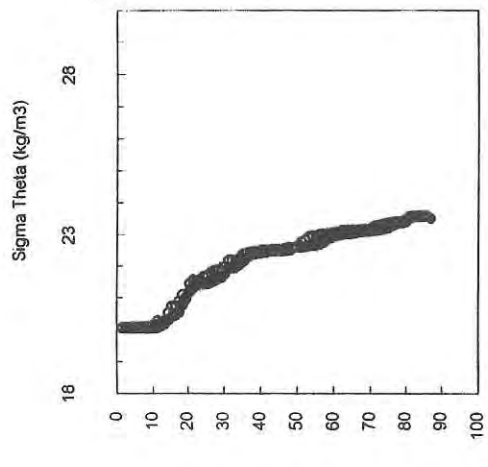
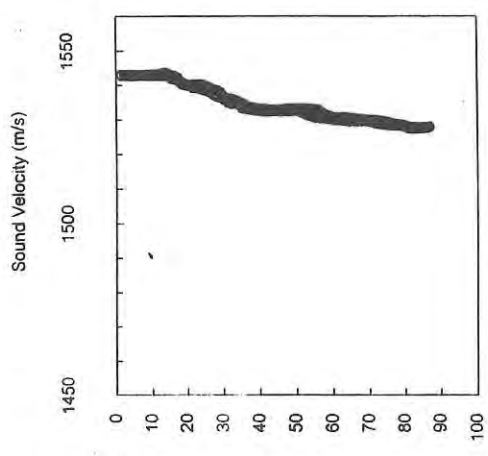
Station 041

o = Upcast



Station 041

● = Downcast

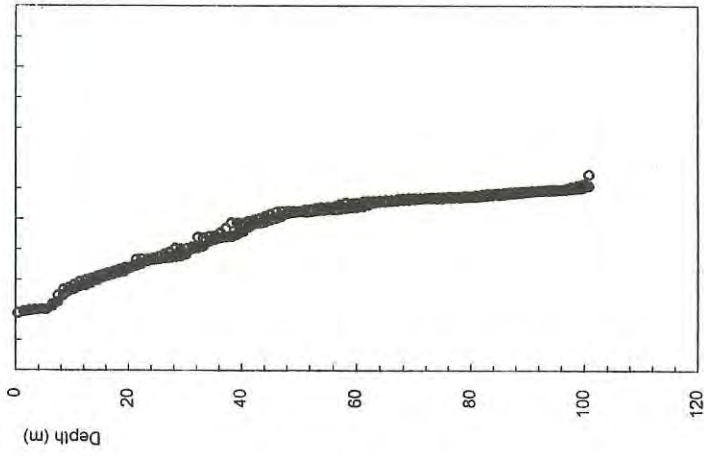
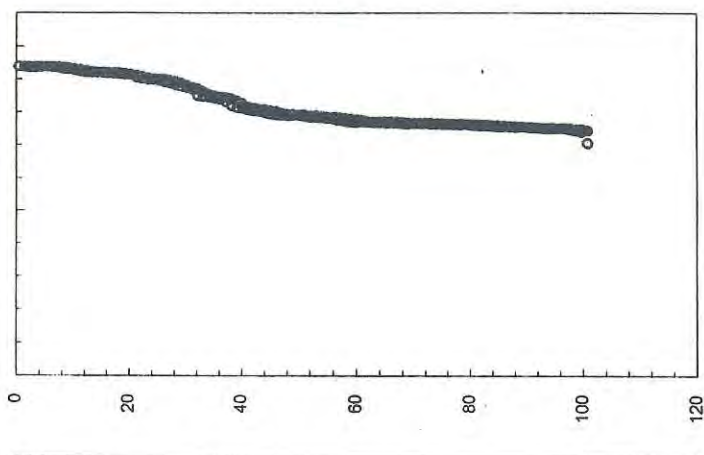
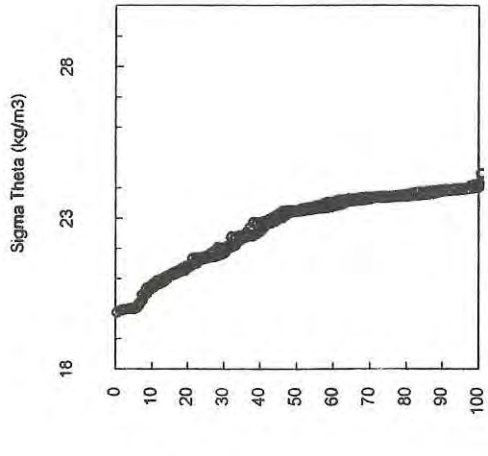
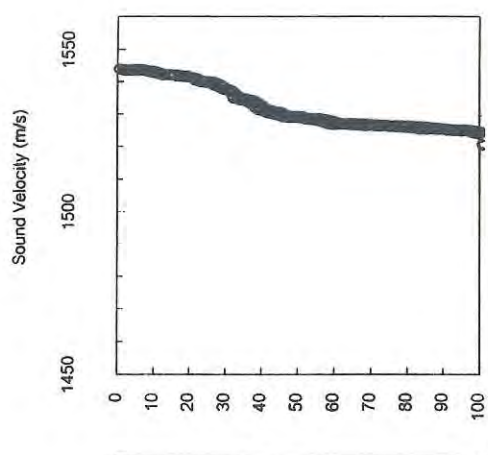


Station 044

o = Upcast

Station 044

● = Downcast

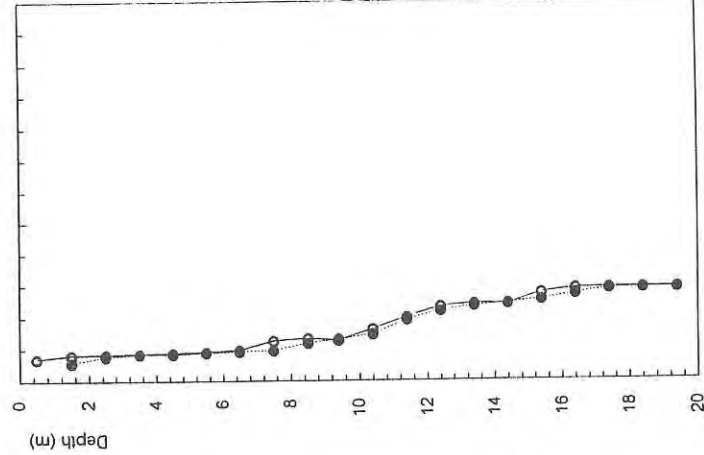
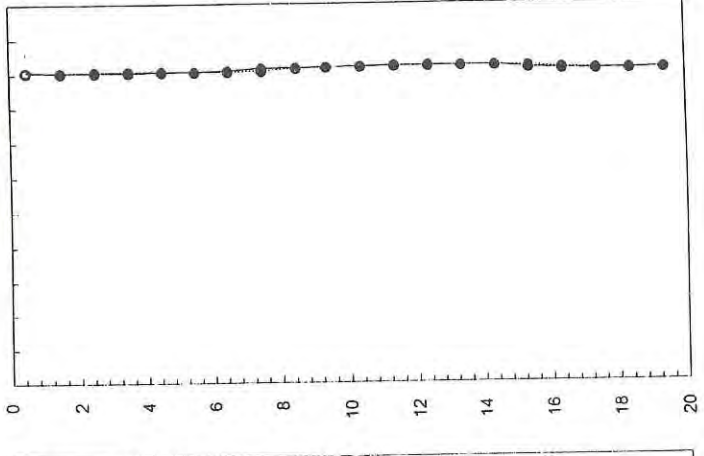
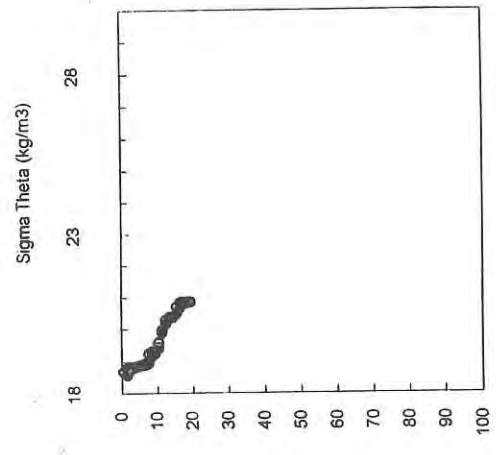
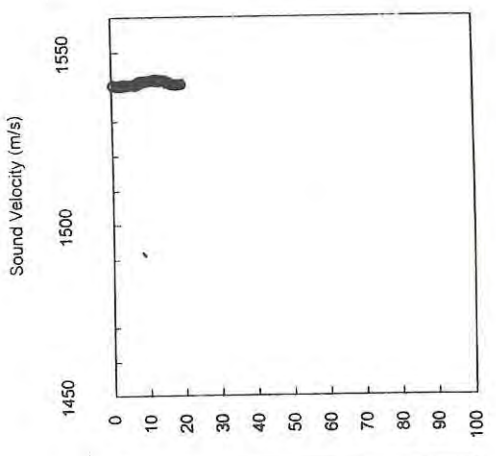


Station 043

o = Upcast

Station 043

● = Downcast

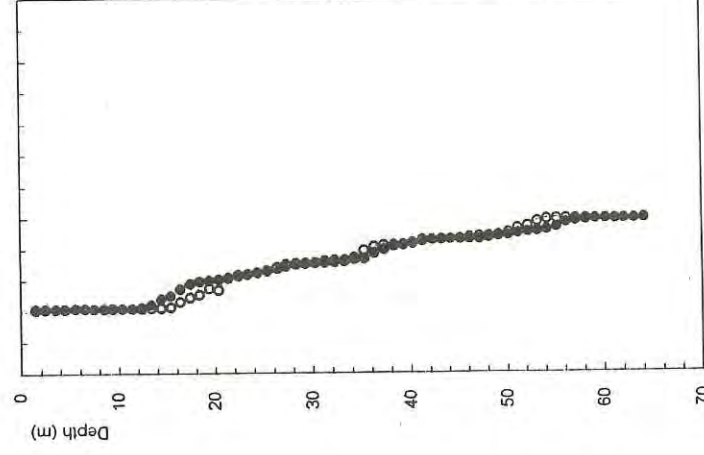
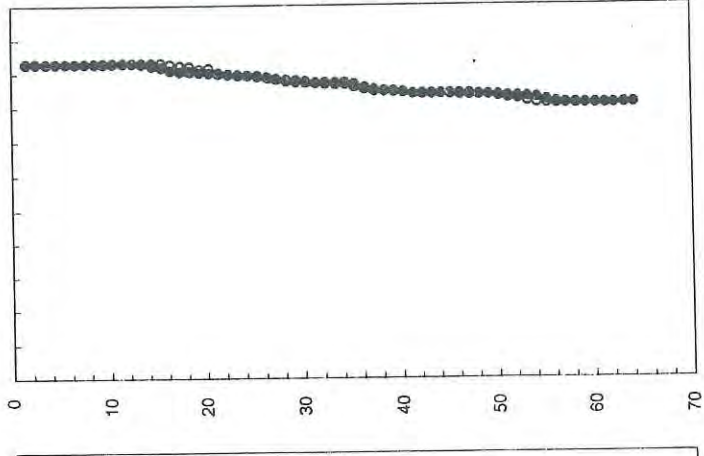
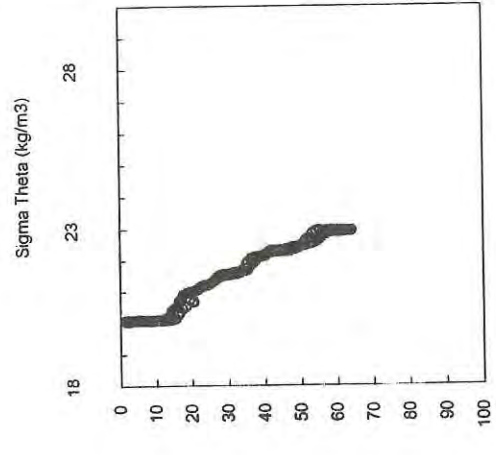
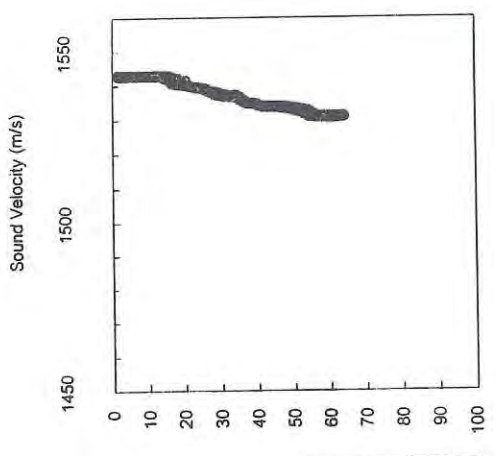


Station 046

o = Upcast

Station 046

● = Downcast

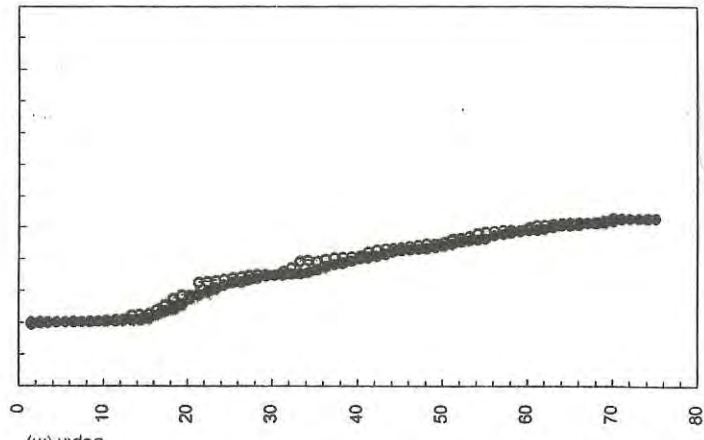
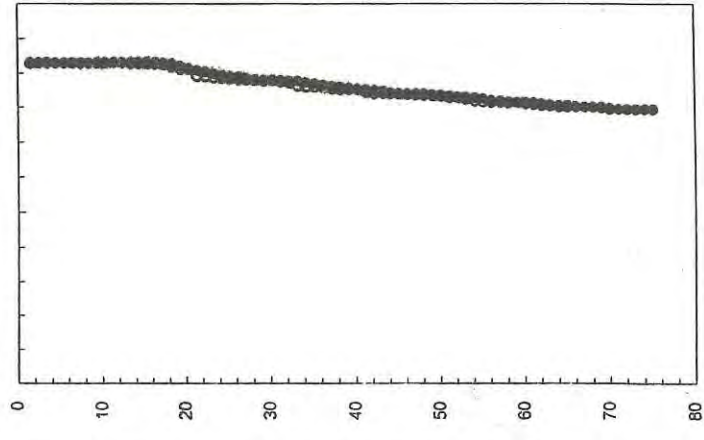
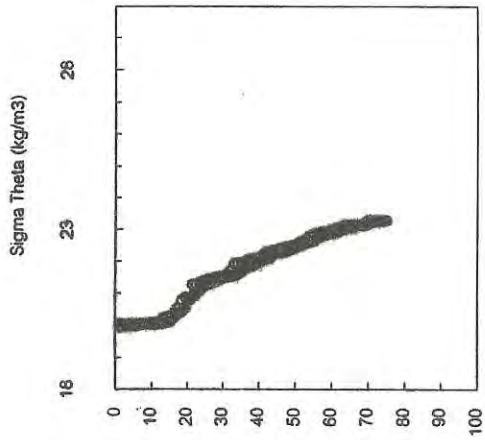
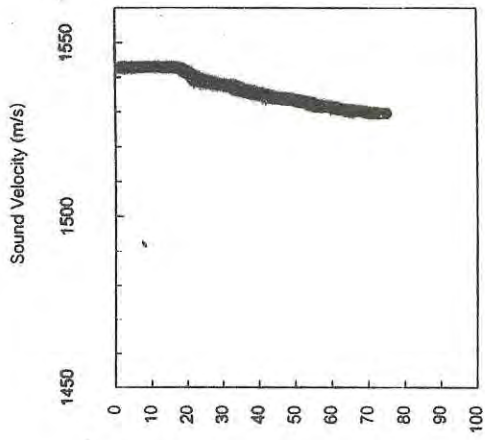


Station 045

o = Upcast

Station 045

● = Downcast

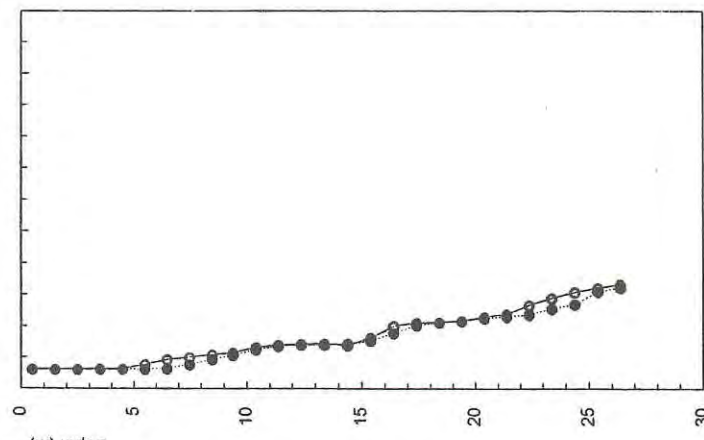
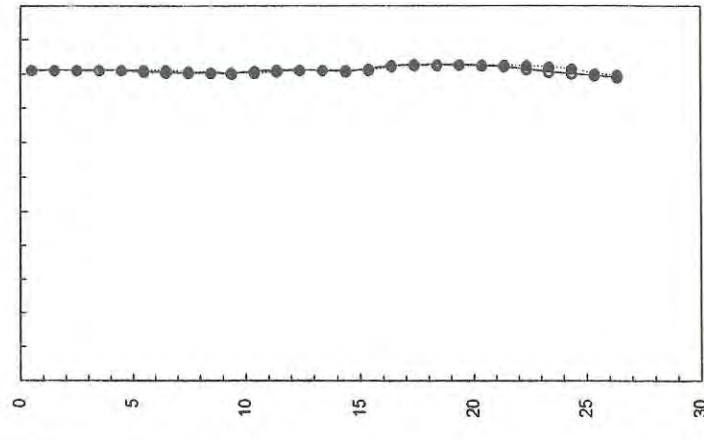
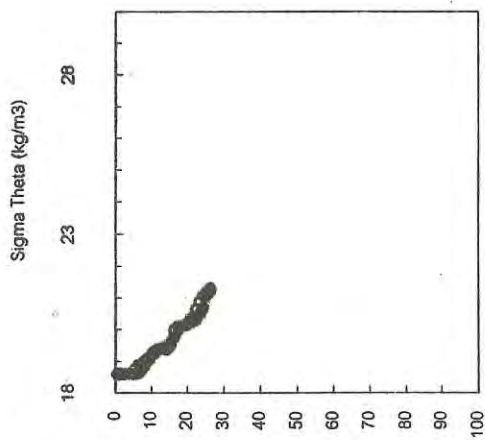
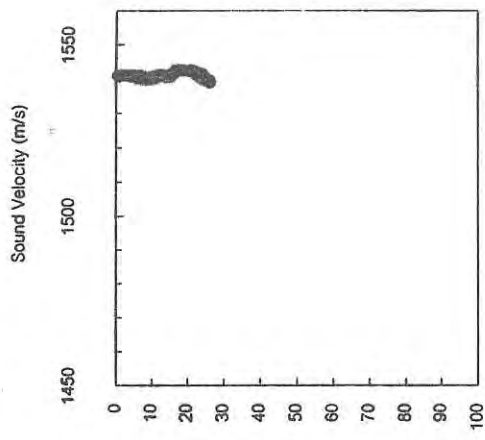


Station 048

o = Upcast

Station 048

● = Downcast

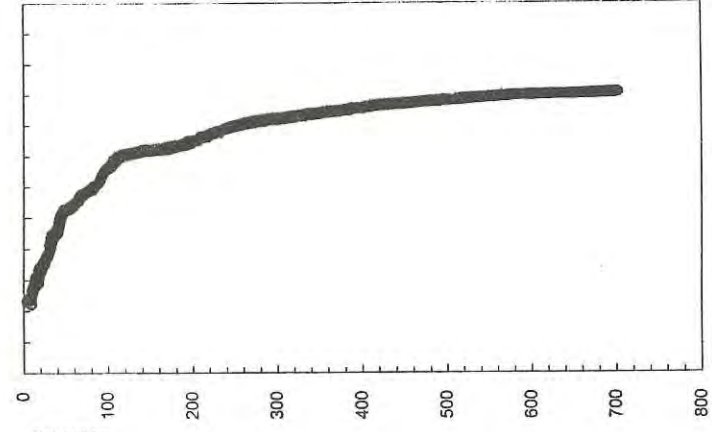
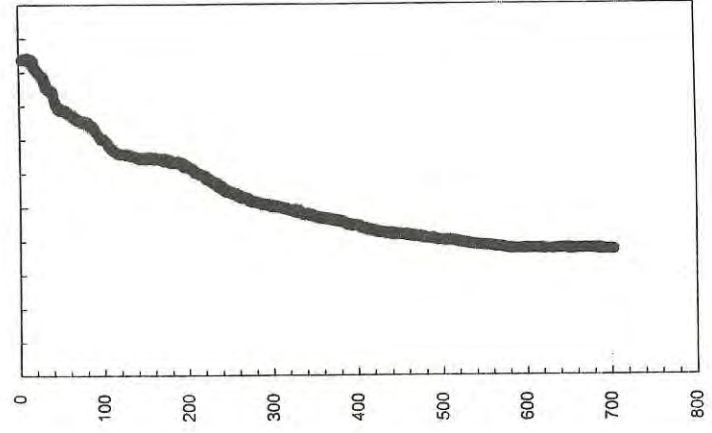
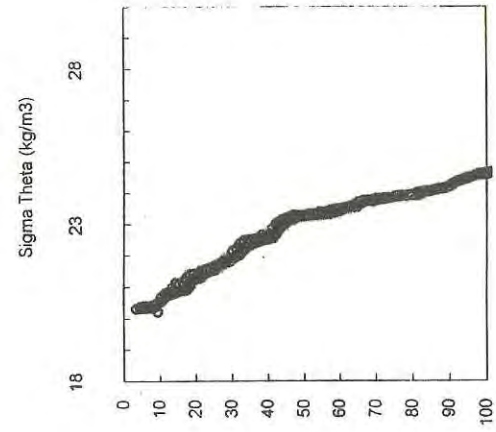
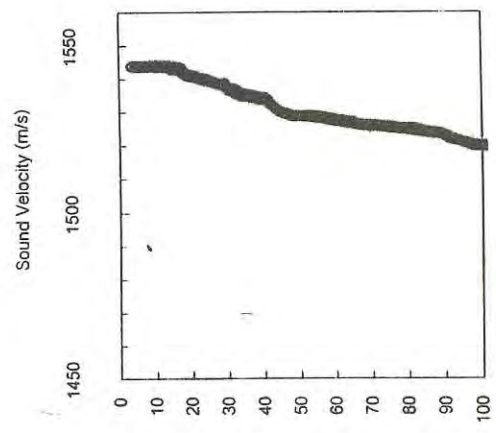


Station 047

o = Upcast

Station 047

● = Downcast

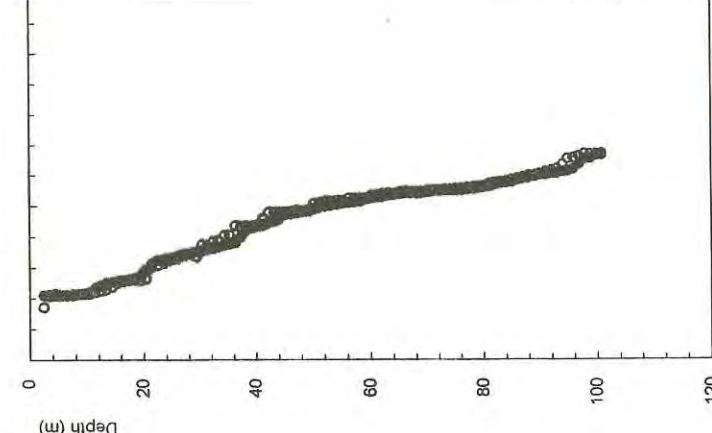
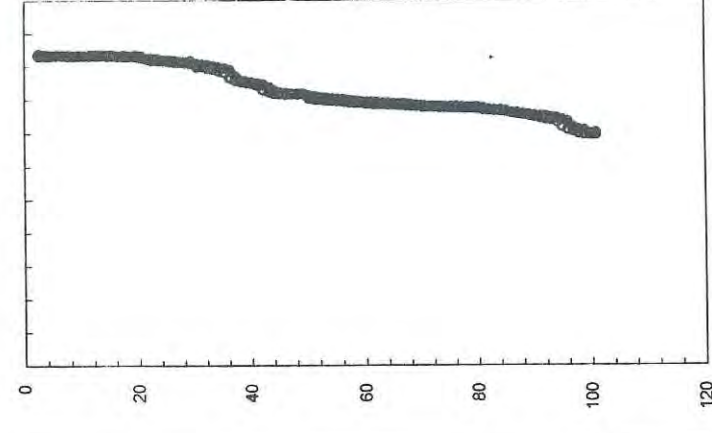
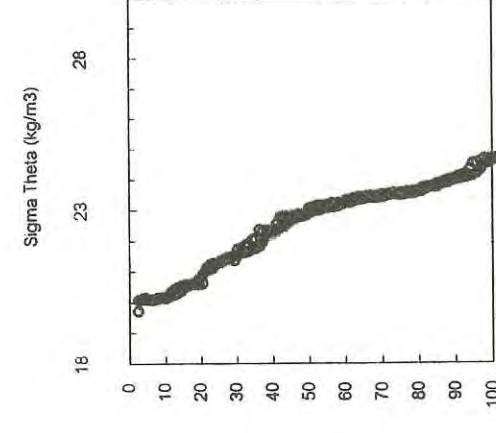
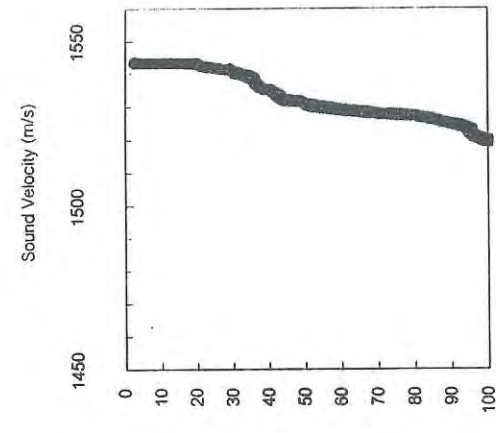


Station 050

o = Upcast

Station 050

● = Downcast

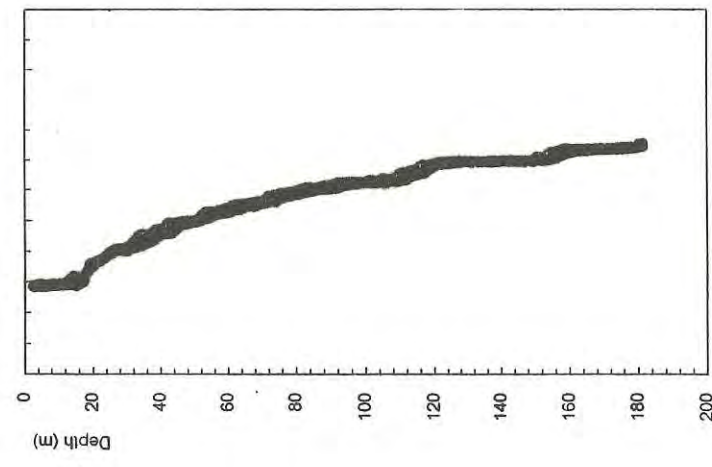
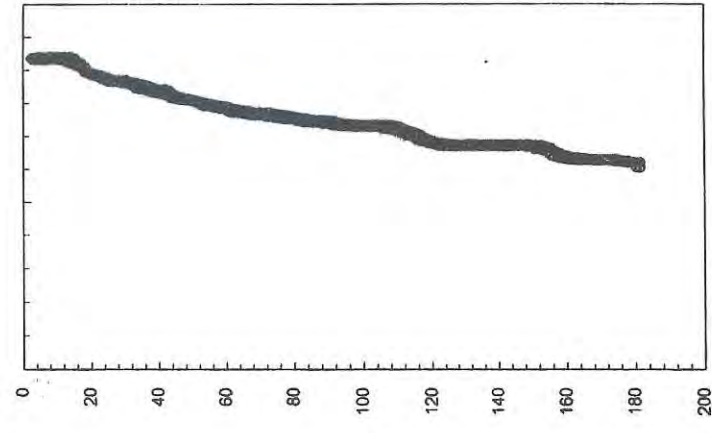
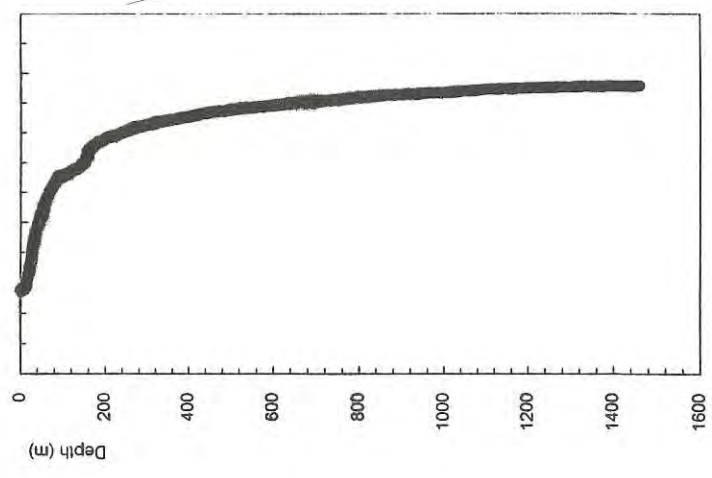
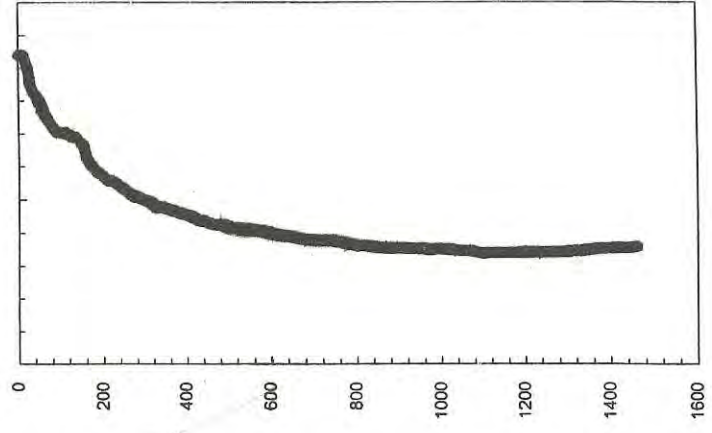
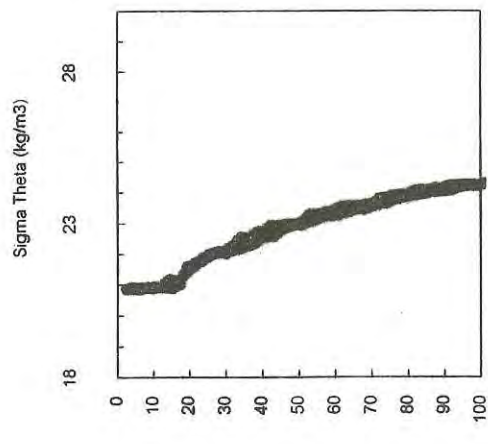
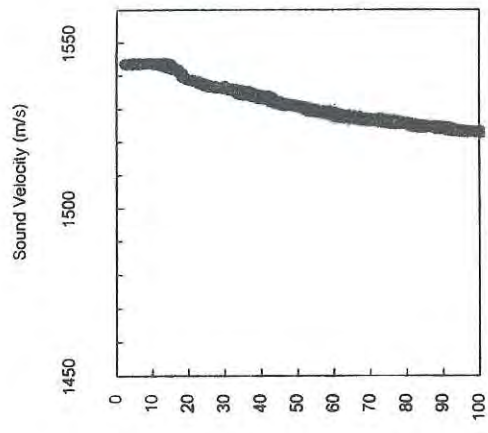
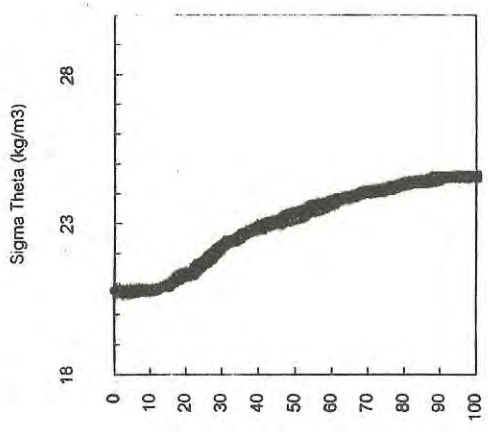
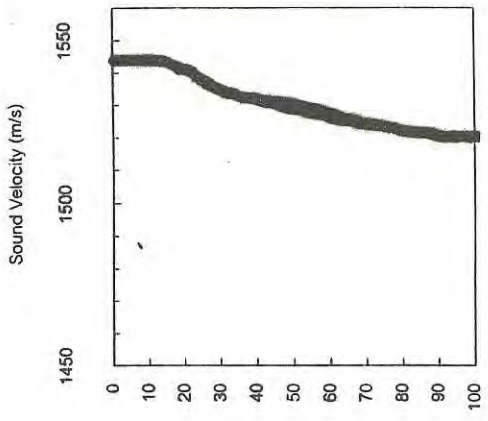


Station 049

o = Upcast

Station 049

● = Downcast



Station 052

Station 052

Station 051

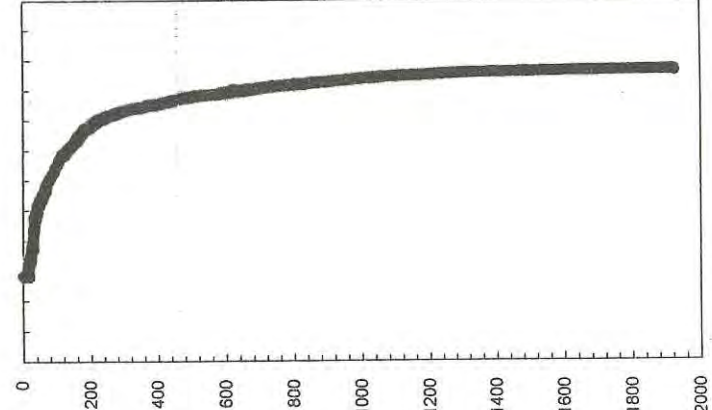
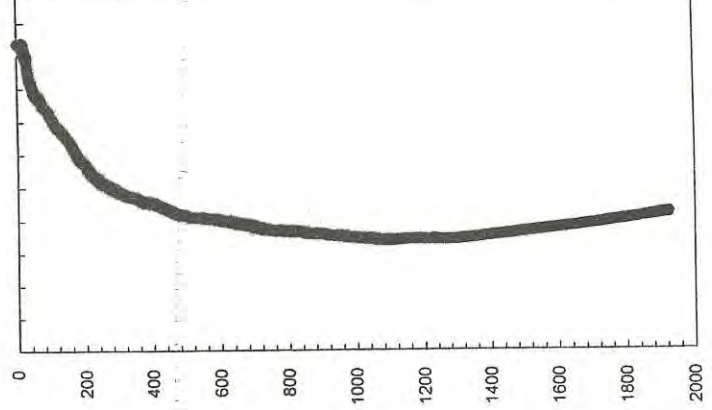
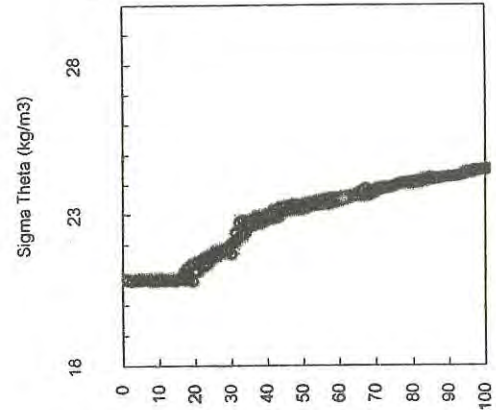
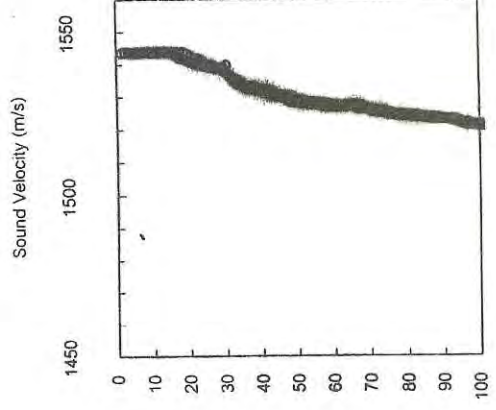
Station 051

o = Upcast

● = Downcast

o = Unicast

● = Downcast

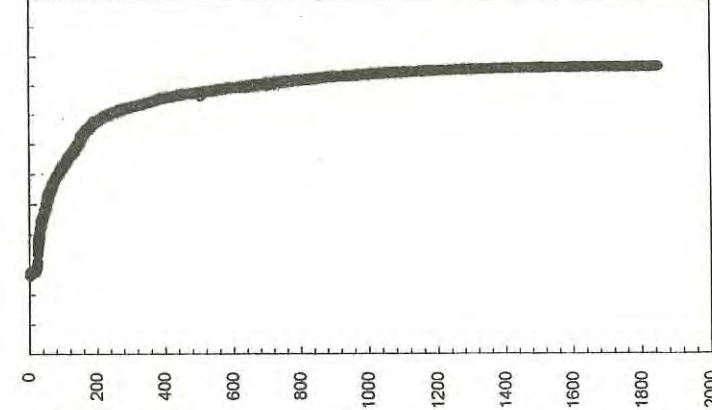
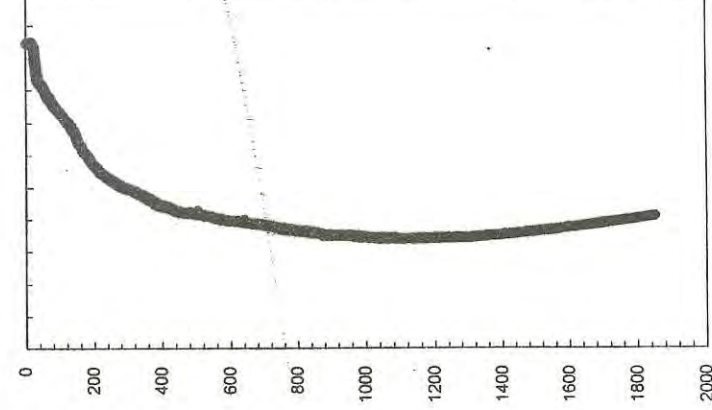
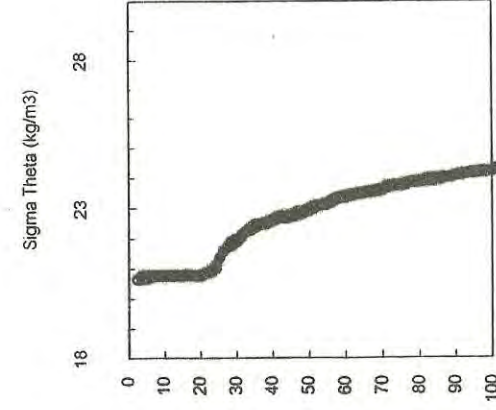
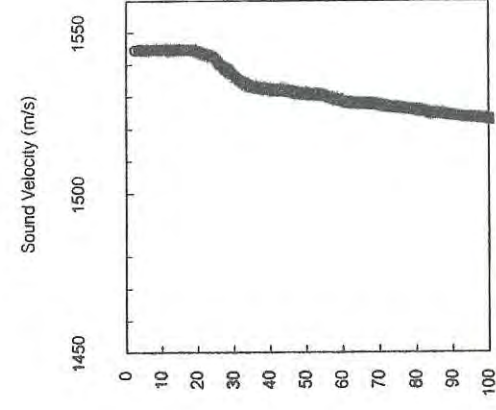


Station 054

o = Upcast

Station 054

● = Downcast

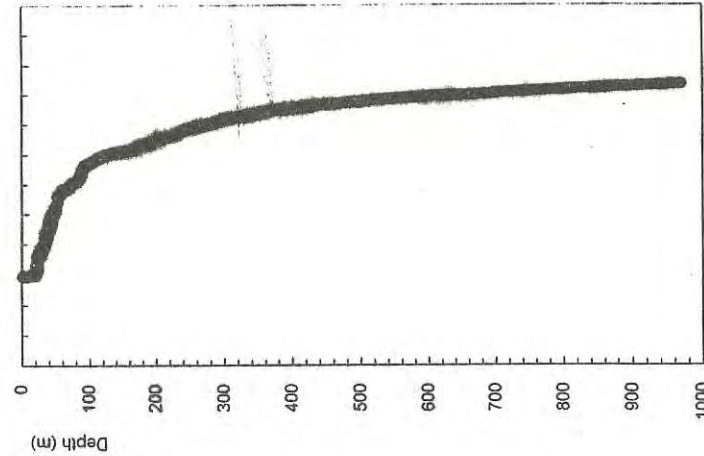
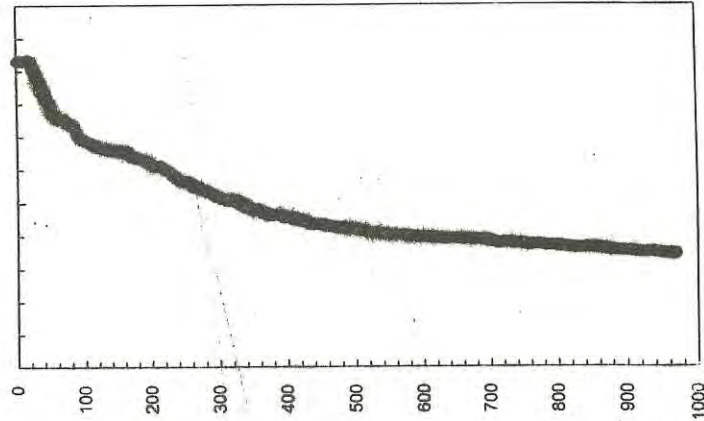
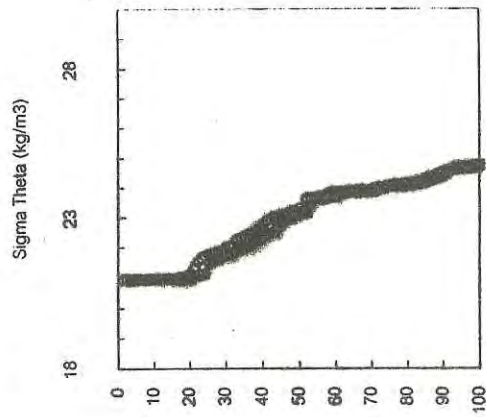
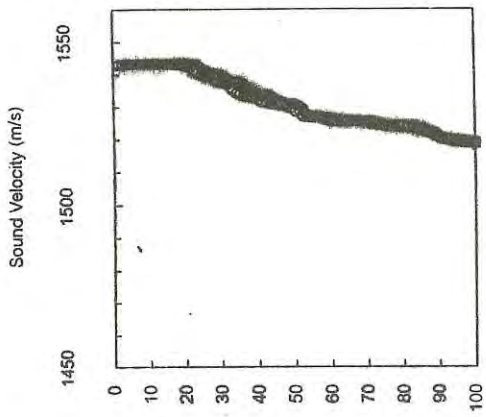


Station 053

o = Upcast

Station 053

● = Downcast

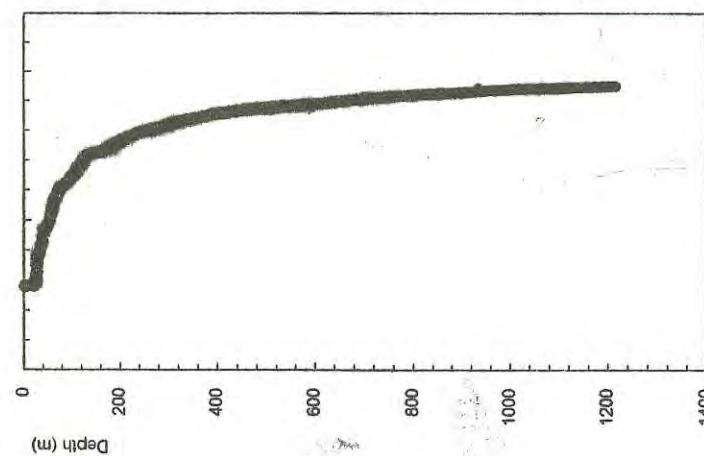
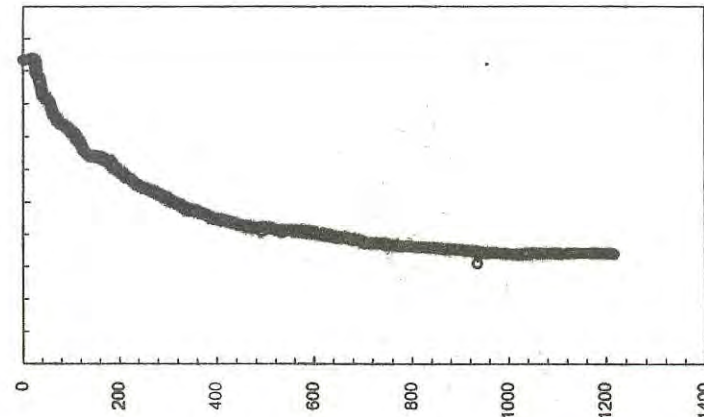
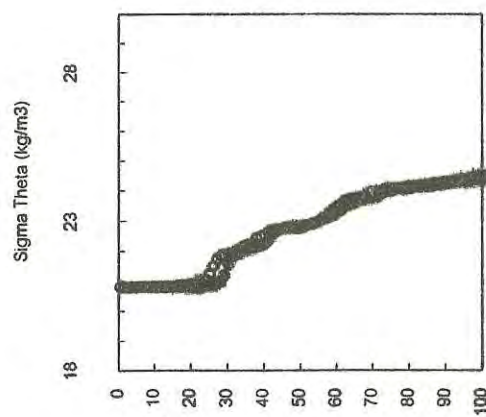
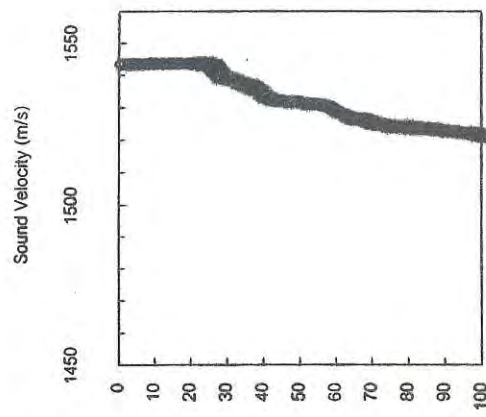


Station 056

o = Upcast

Station 055

● = Downcast

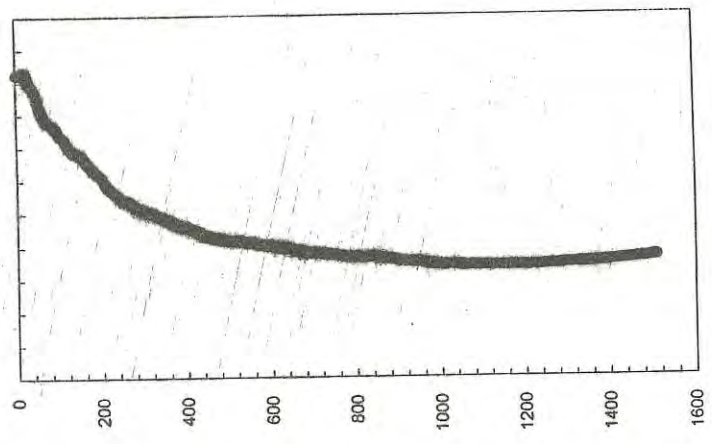
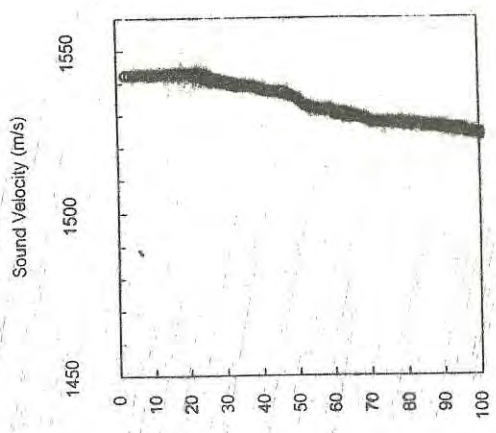


Station 055

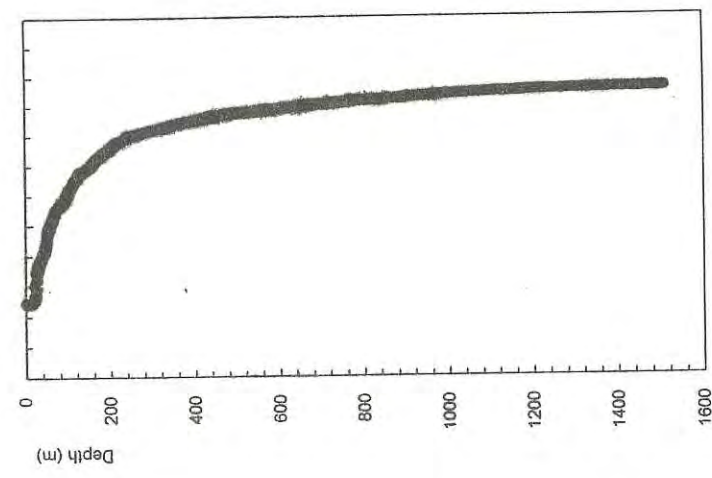
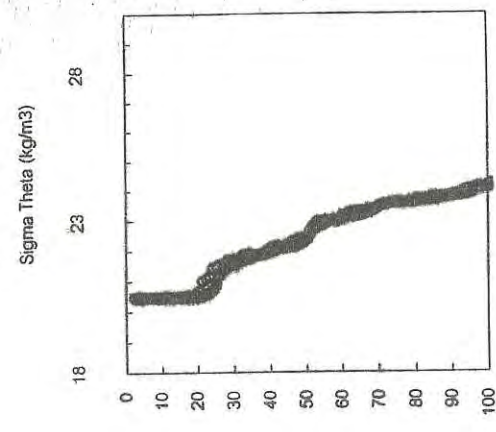
o = Upcast

Station 056

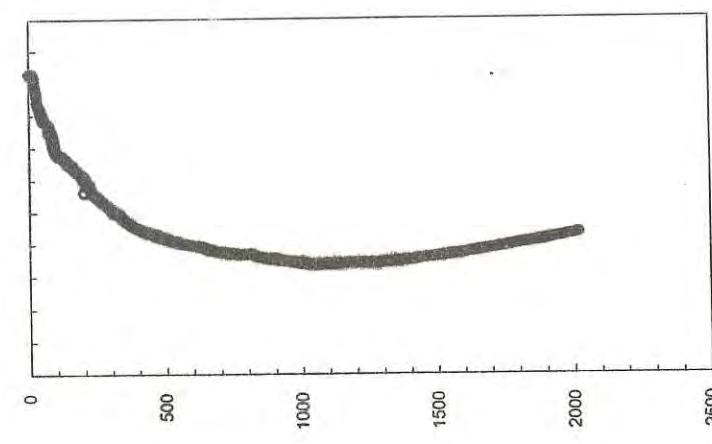
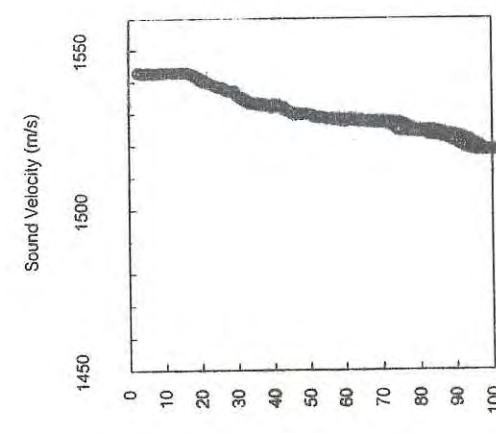
● = Downcast



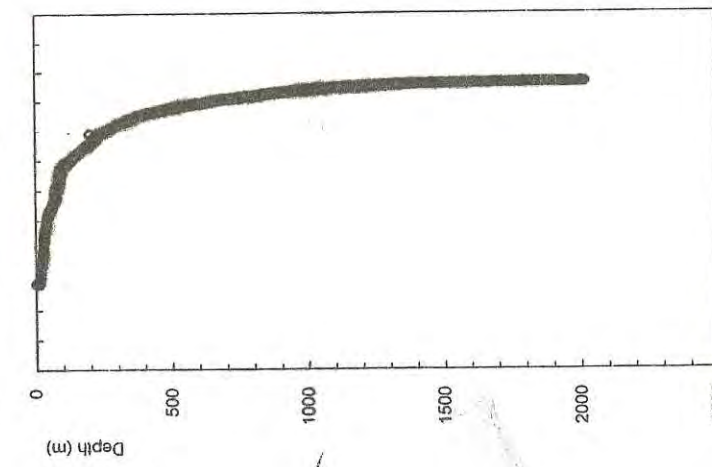
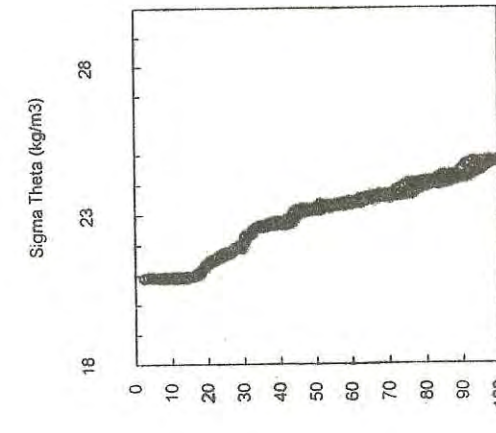
Station 058
o = Upcast



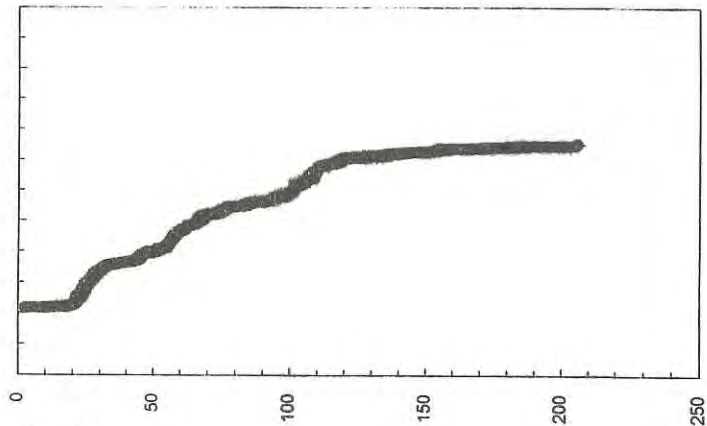
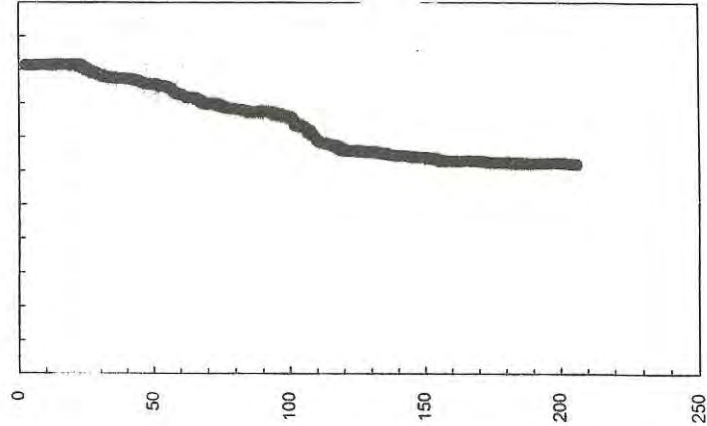
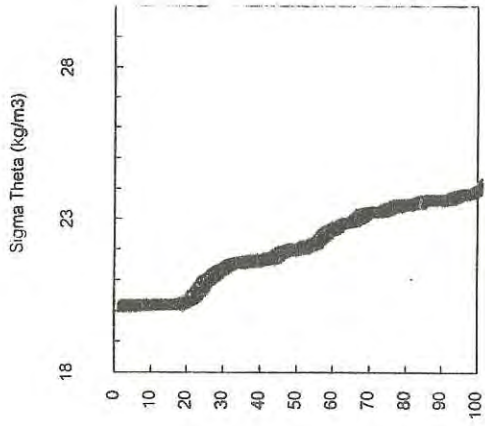
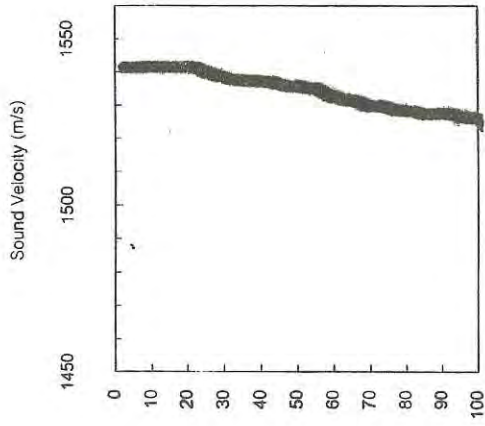
Station 058
● = Downcast



Station 057
o = Upcast

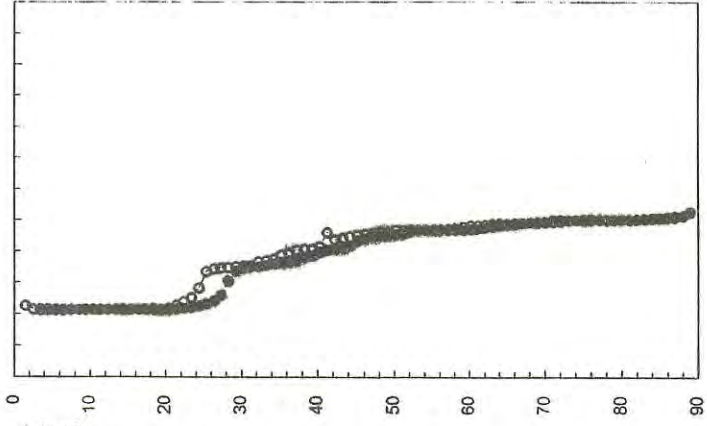
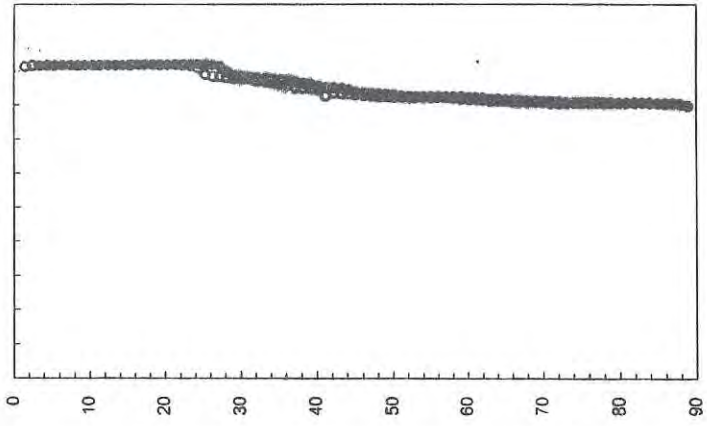
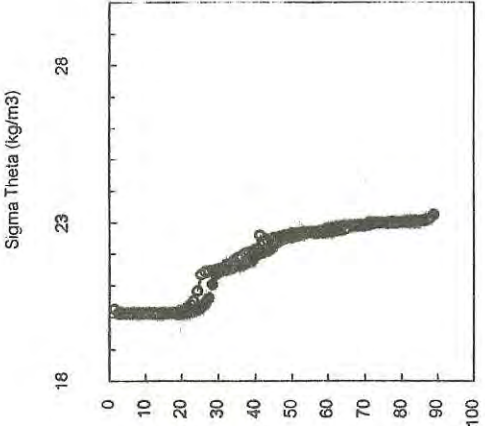
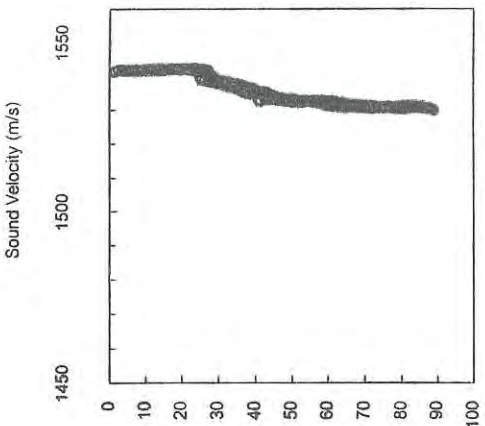


Station 057
● = Downcast



Station 060

Station 060



Station 059

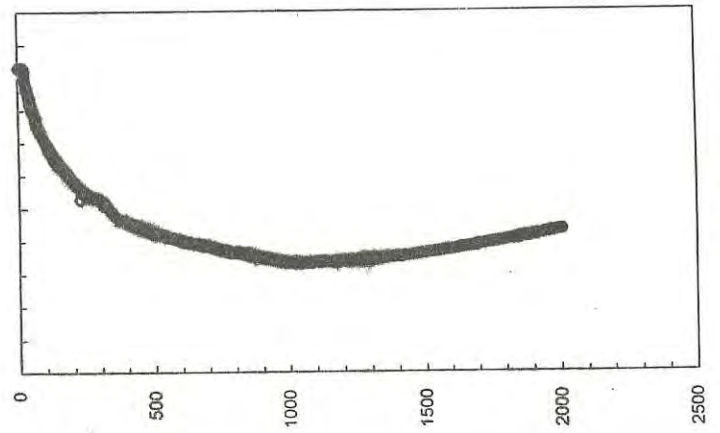
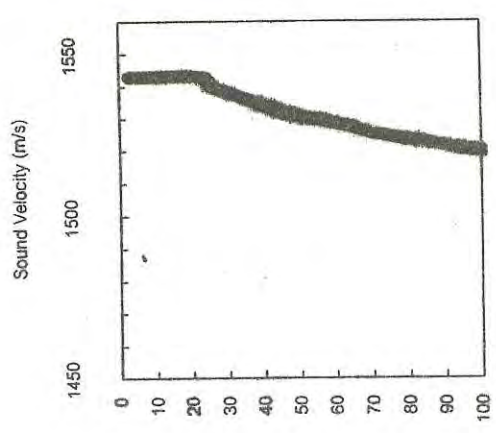
Station 059

● = Downcast

● = Downcast

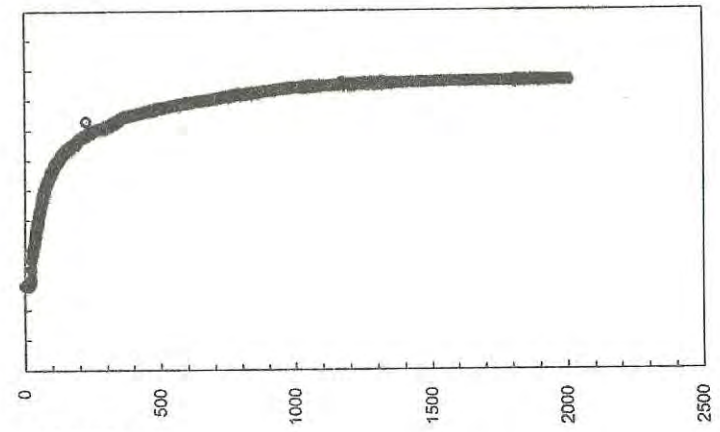
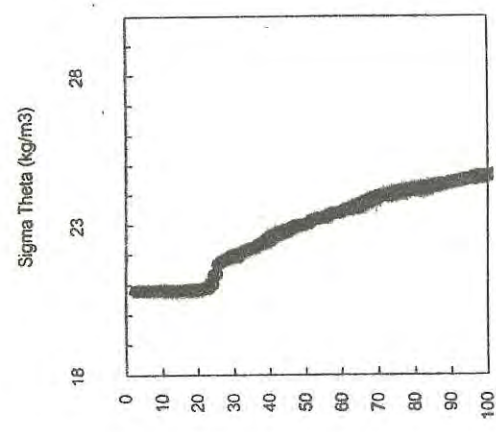
● = Downcast

● = Downcast



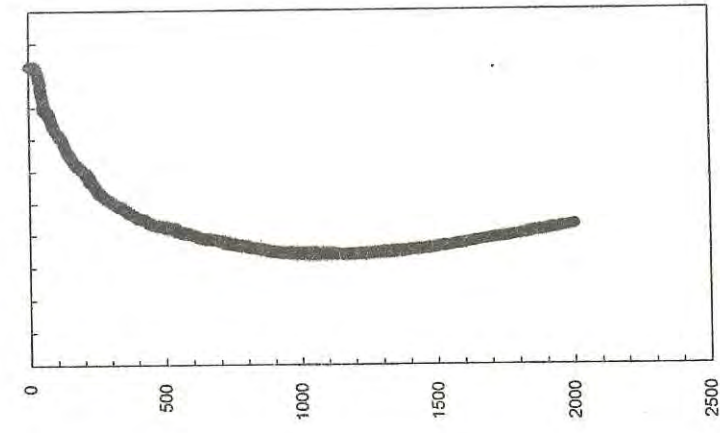
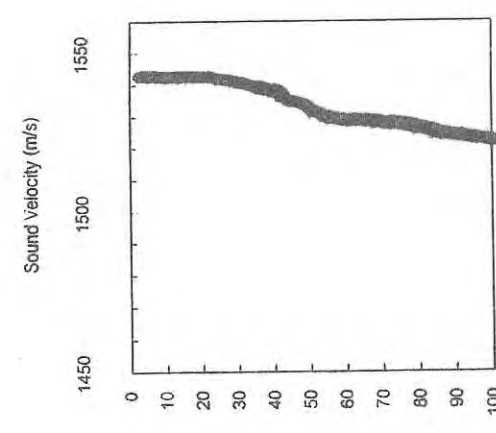
Station 062

o = Upcast



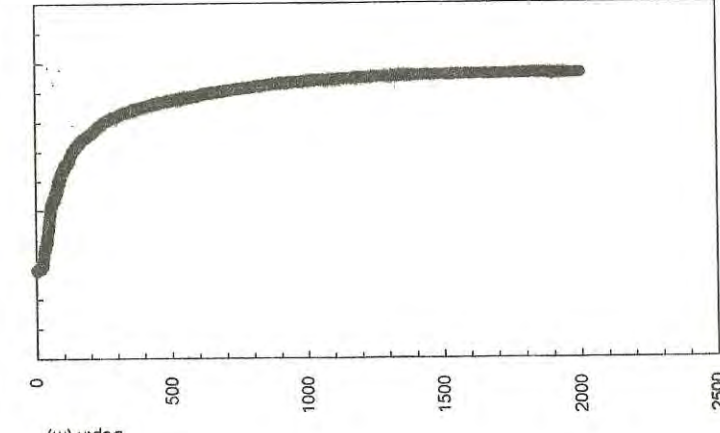
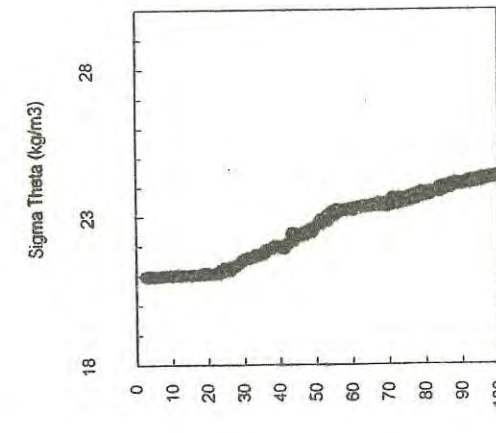
Station 062

● = Downcast



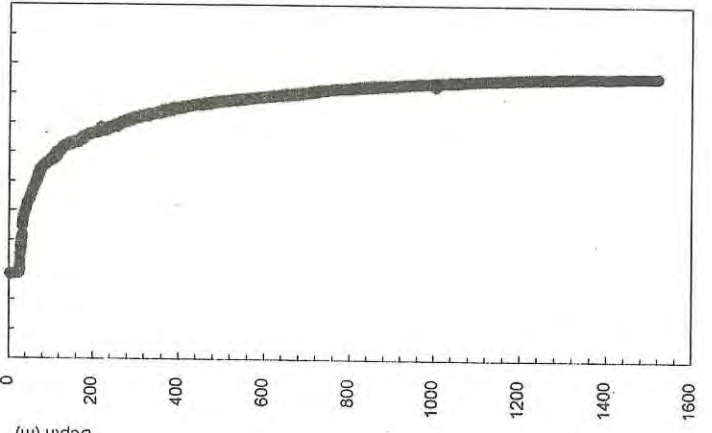
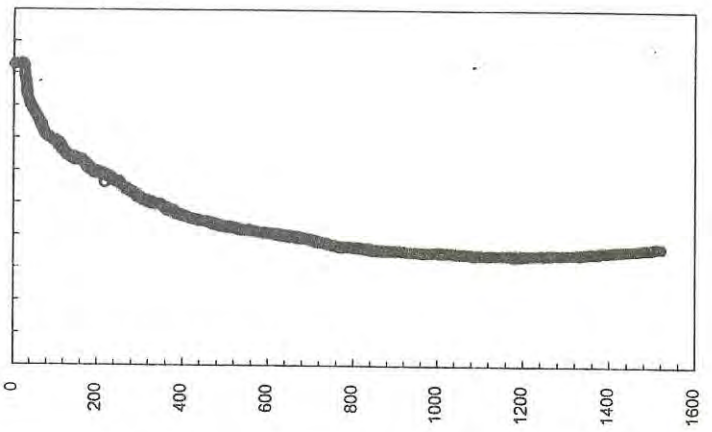
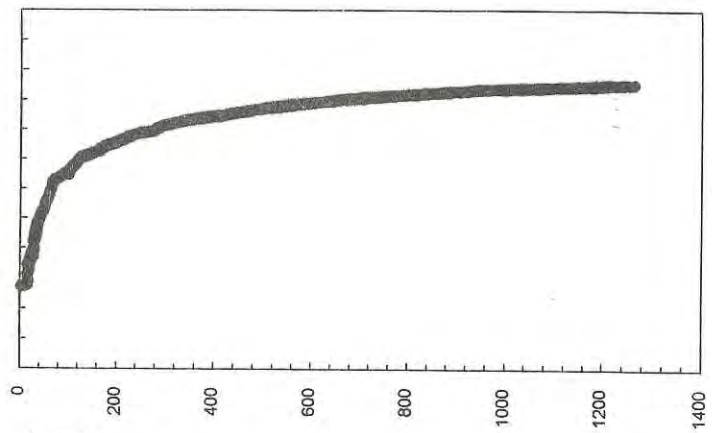
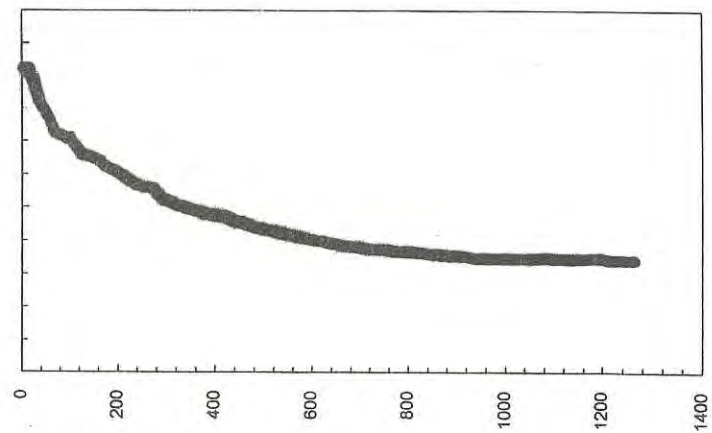
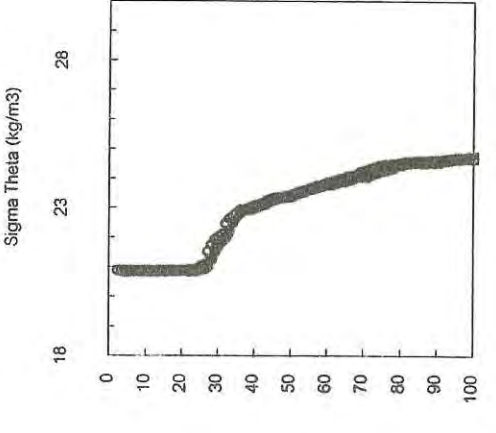
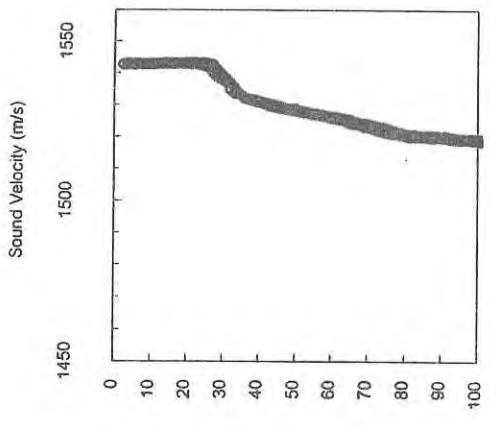
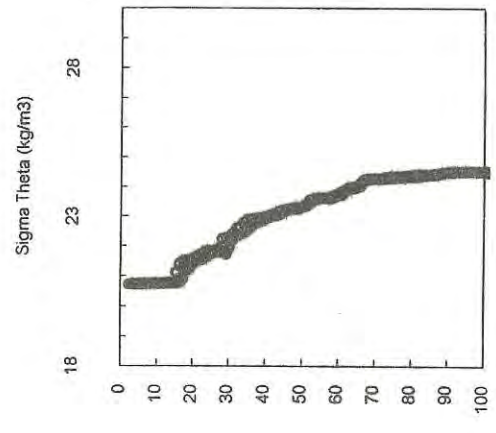
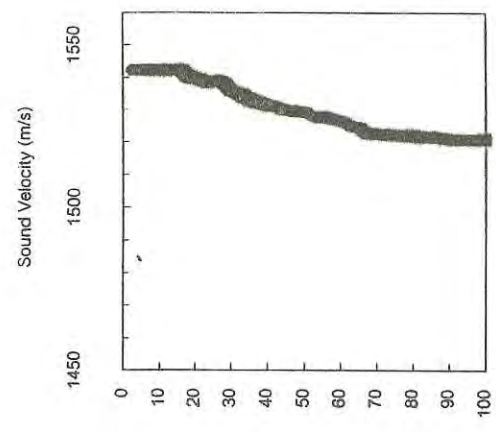
Station 061

o = Upcast



Station 061

● = Downcast



Station 064

Station 064

Station 063

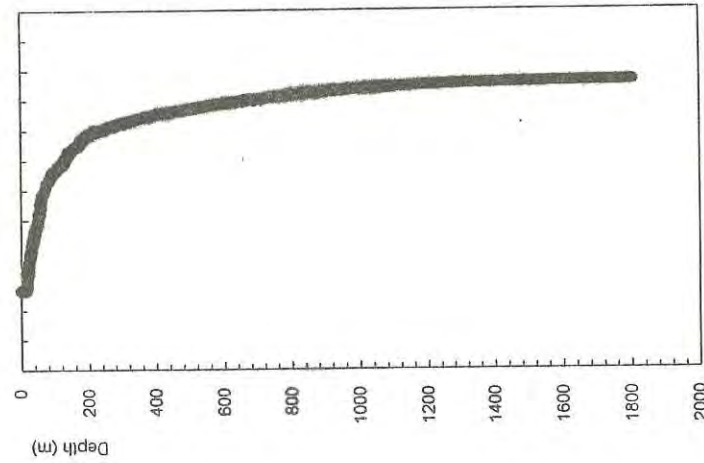
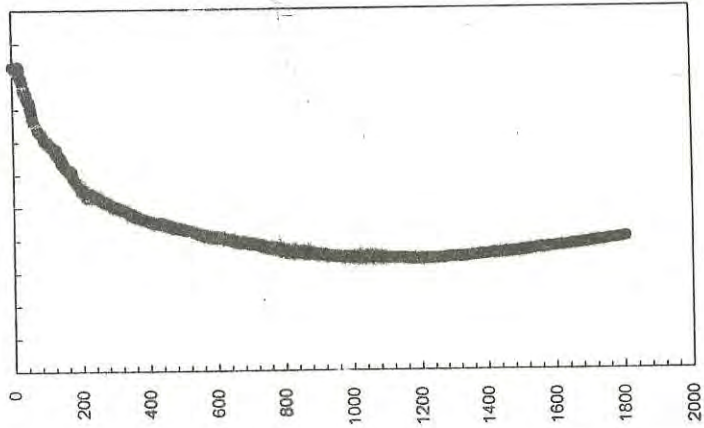
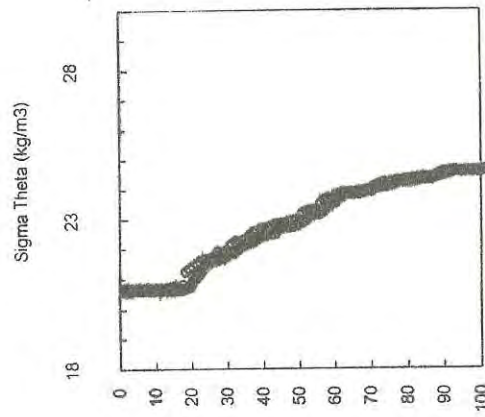
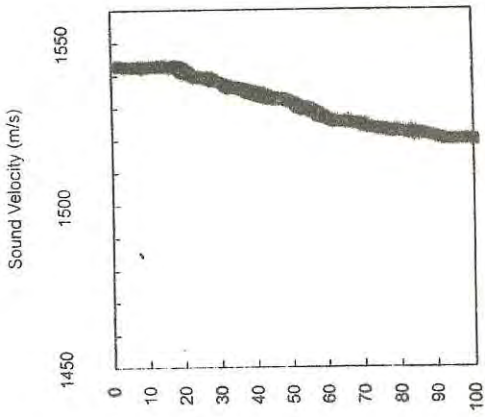
Station 063

● = Upcast

● = Downcast

○ = Upcast

● = Downcast

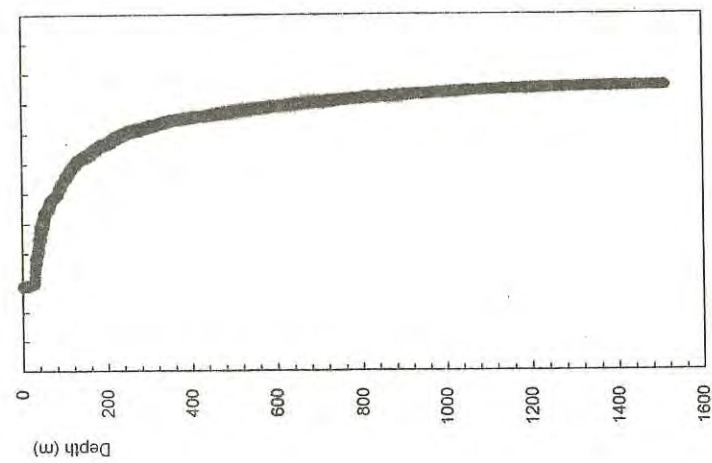
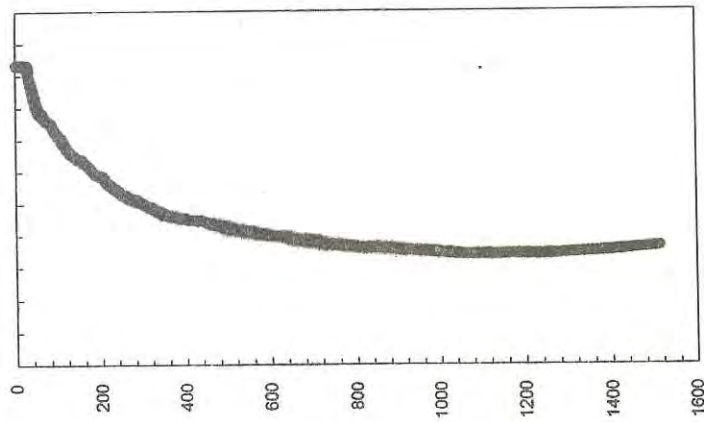
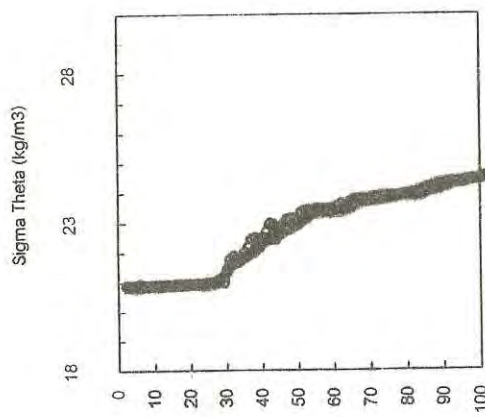
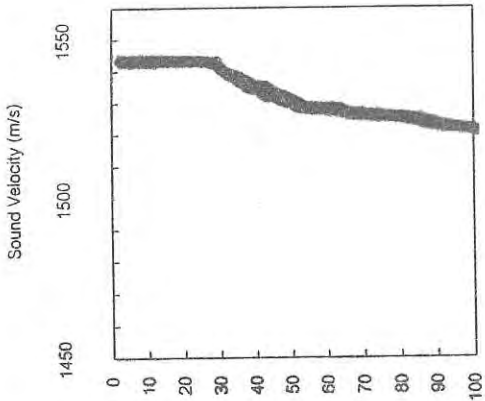


Station 066

o = Upcast

Station 066

● = Downcast

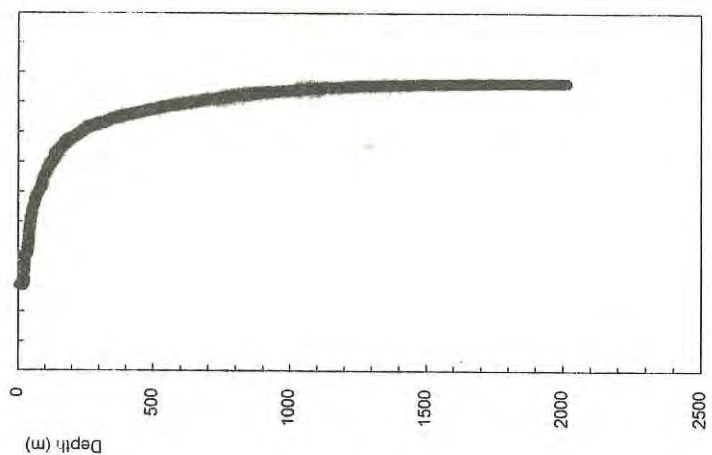
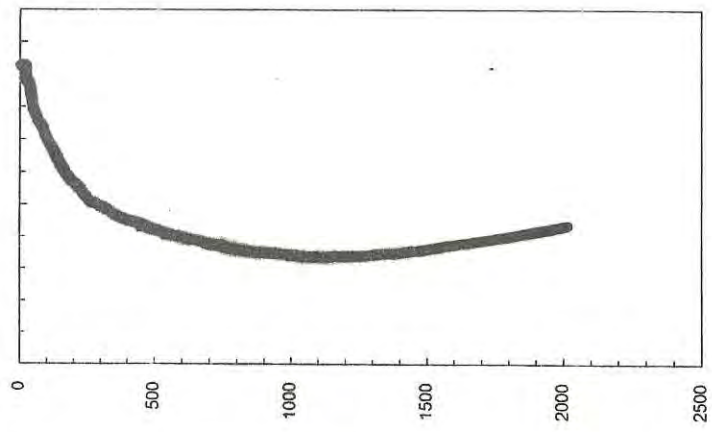
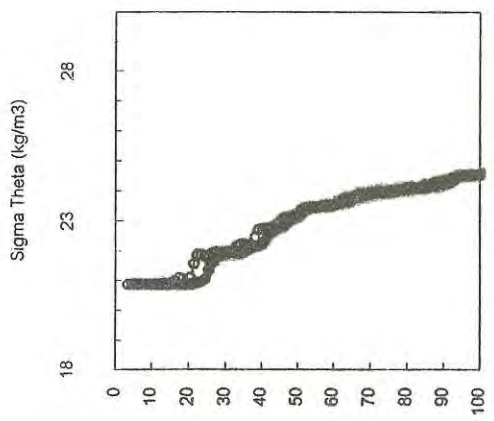
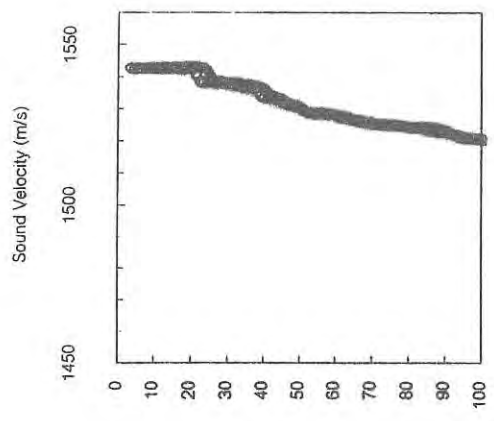
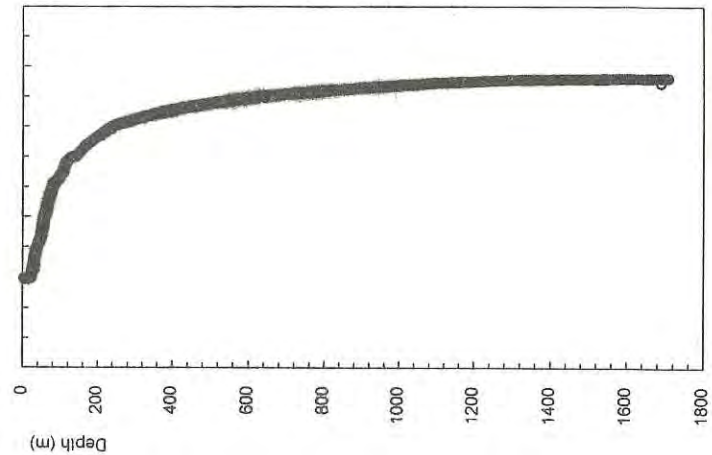
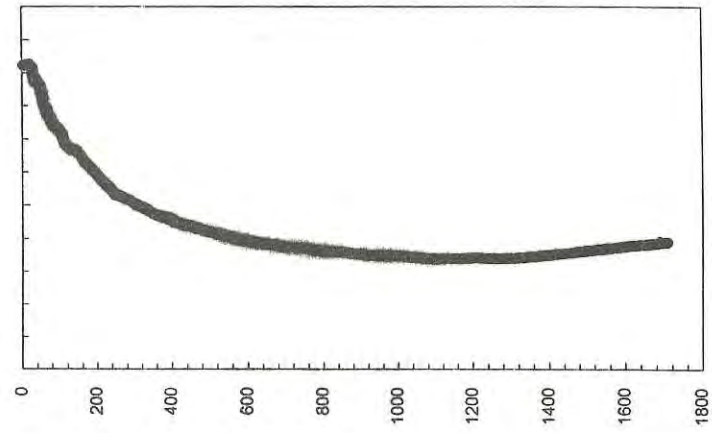
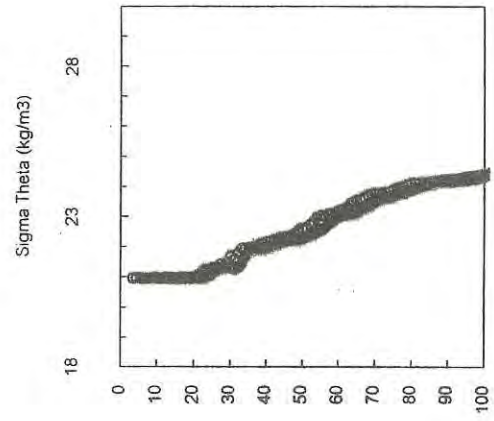
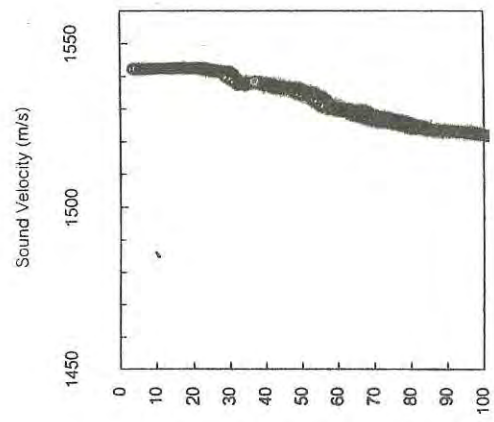


Station 065

o = Upcast

Station 065

● = Downcast



Station 068

o = Upcast

Station 068

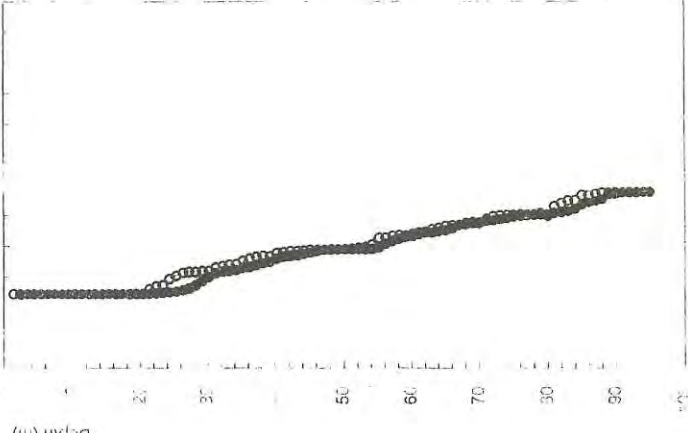
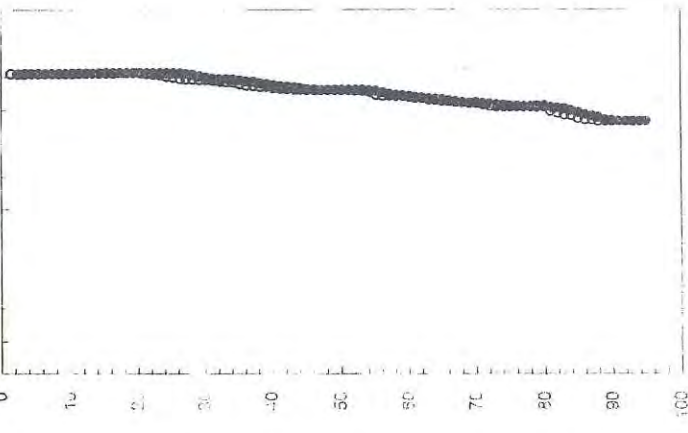
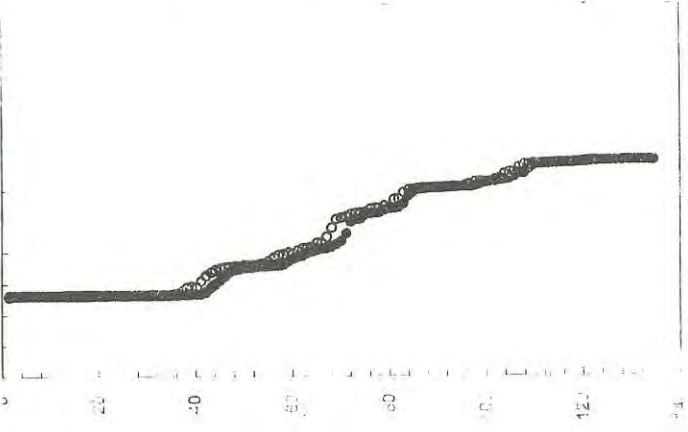
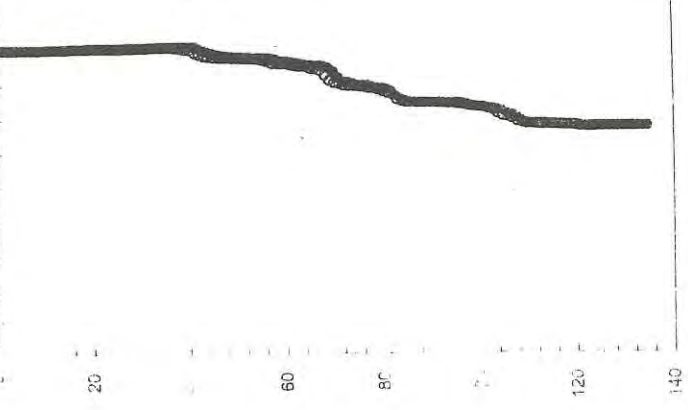
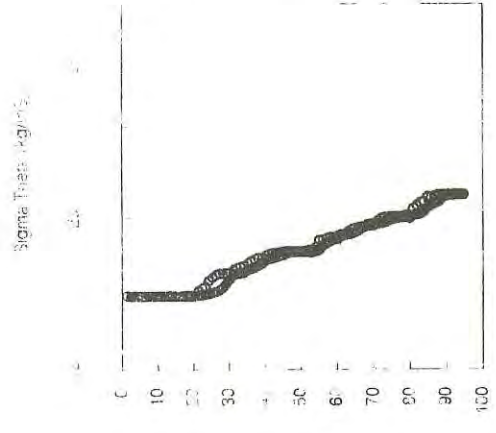
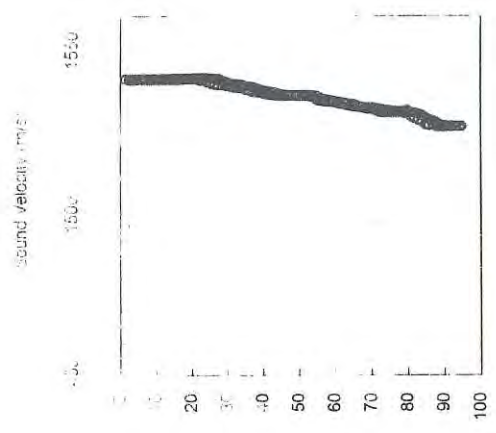
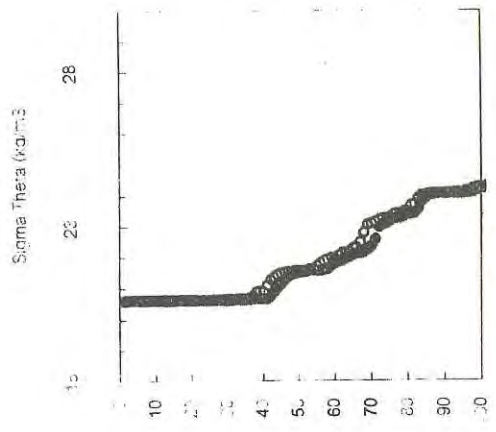
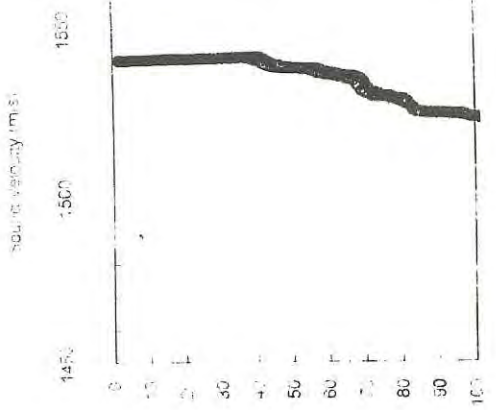
● = Downcast

Station 067

o = Upcast

Station 067

● = Downcast



Station 070

Station 070

Station 069

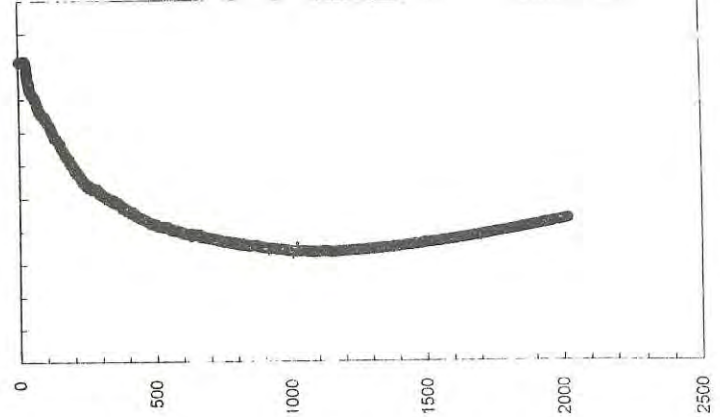
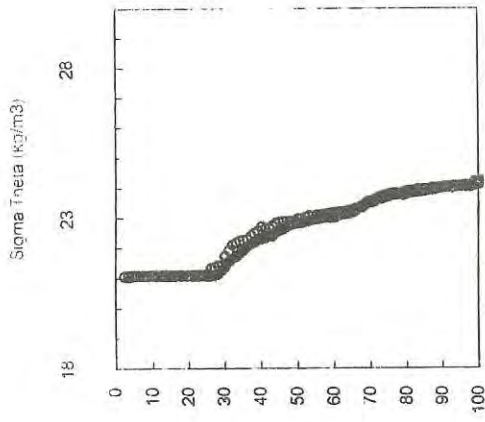
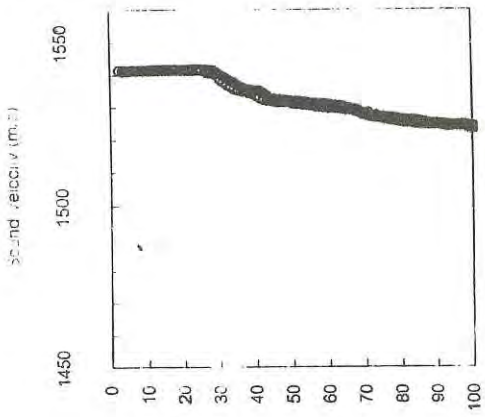
Station 069

○ = Upcast

● = Downcast

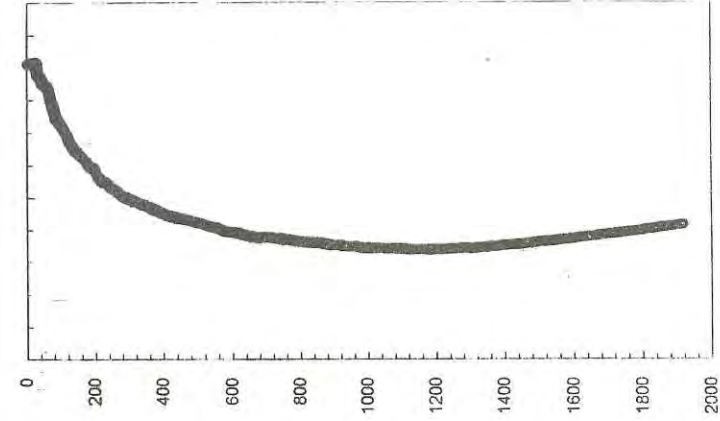
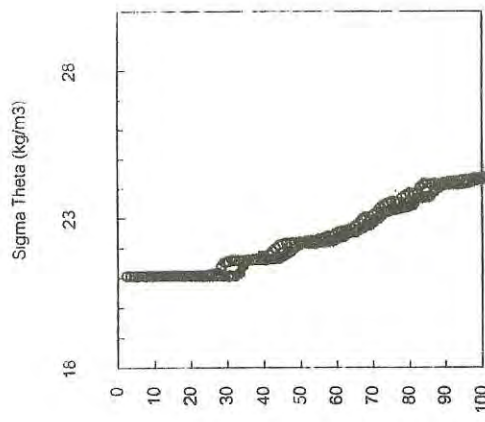
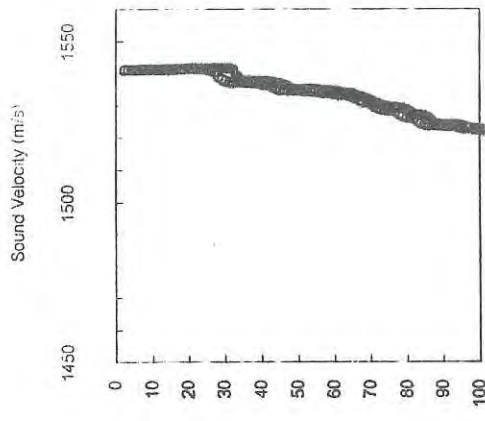
○ = Upcast

● = Downcast



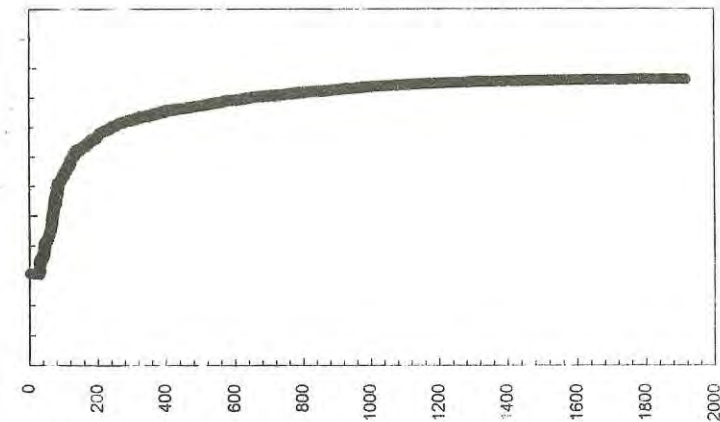
Station 072

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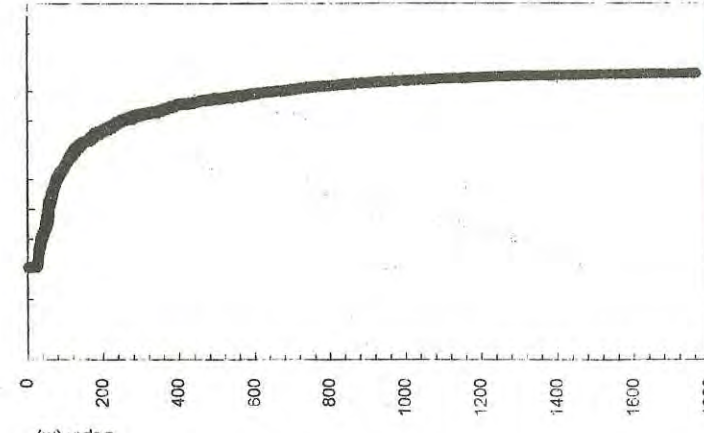
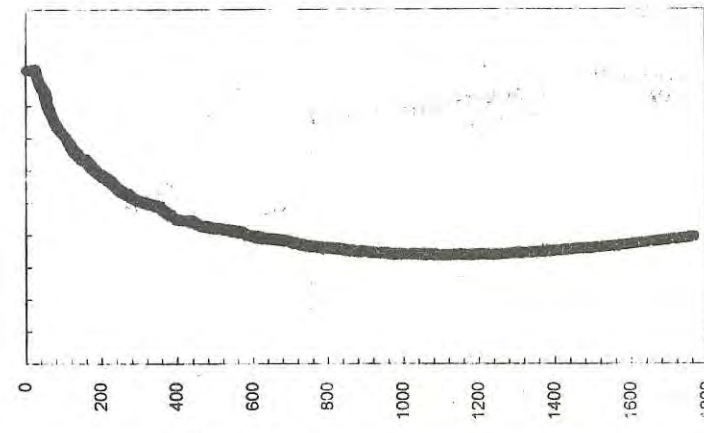
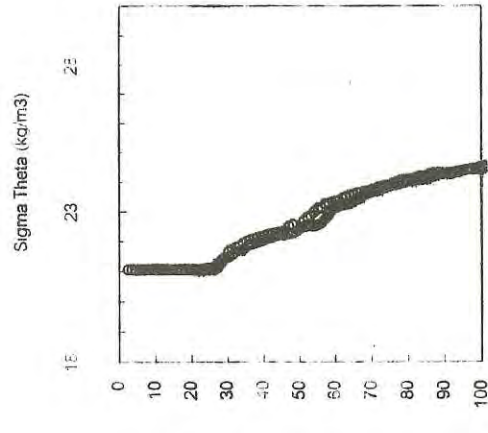
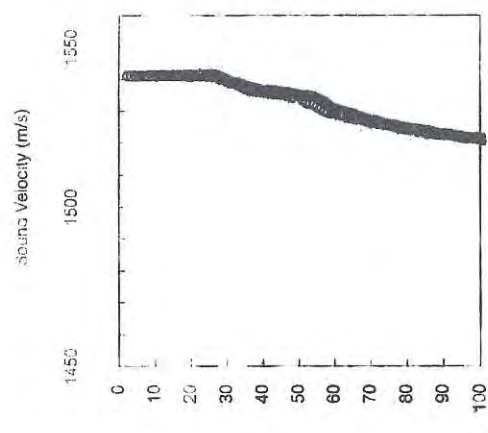
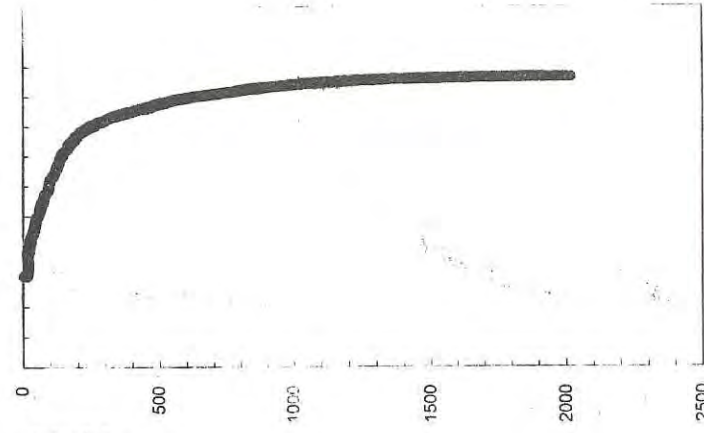
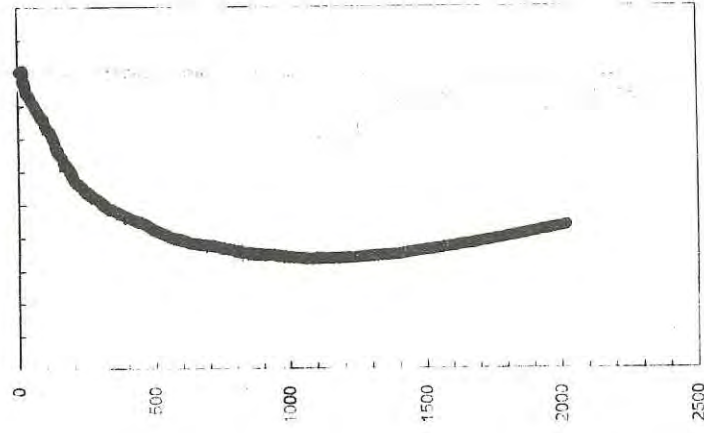
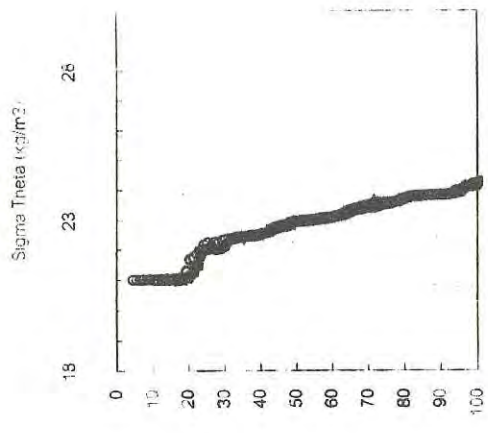
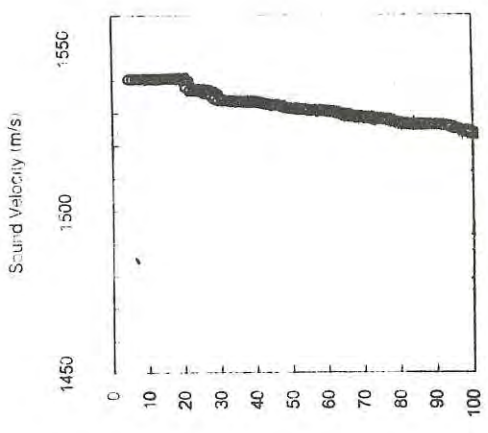
Station 071

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Station 071

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Station 074

Station 074

Station 073

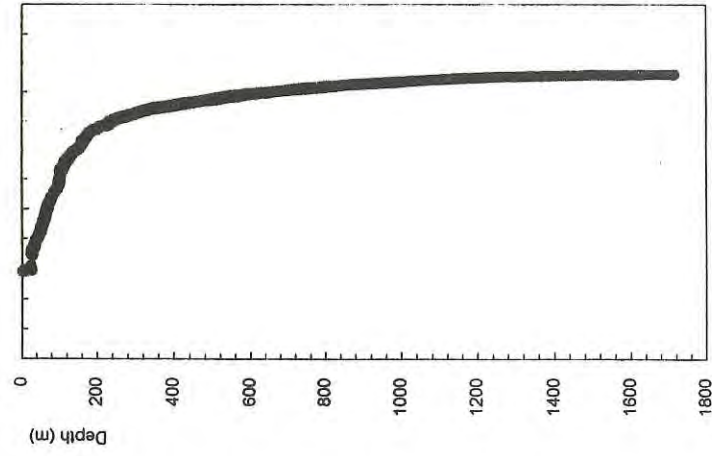
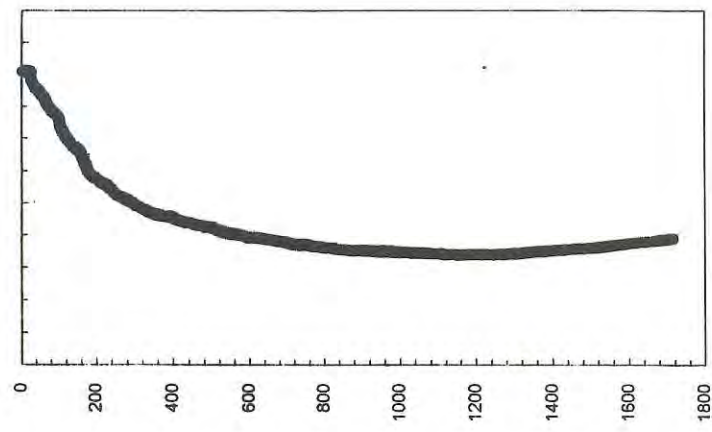
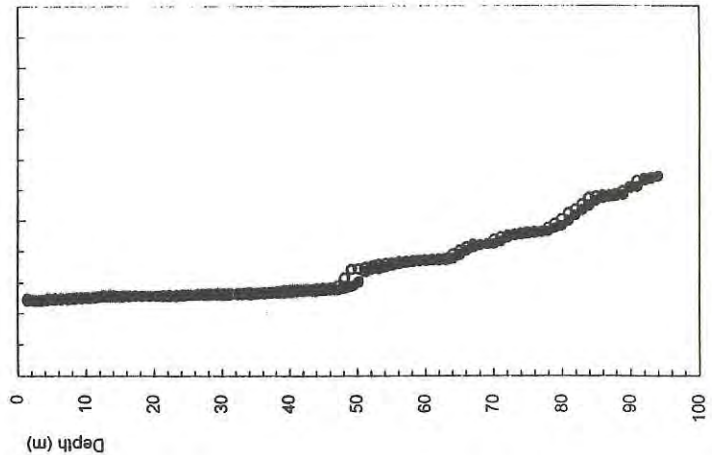
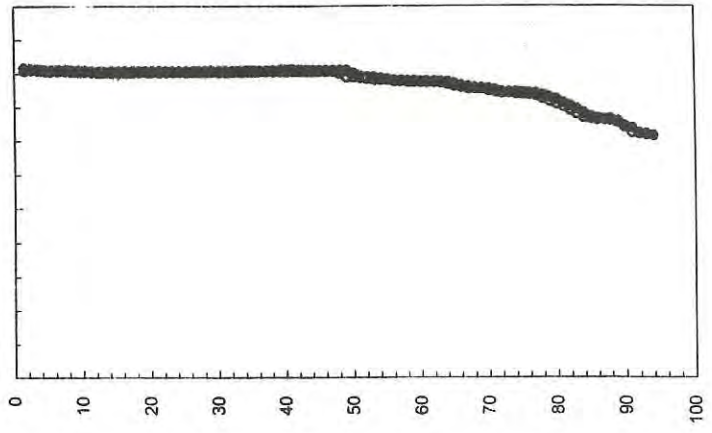
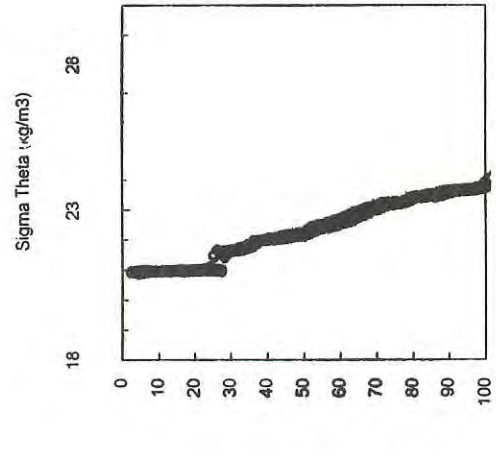
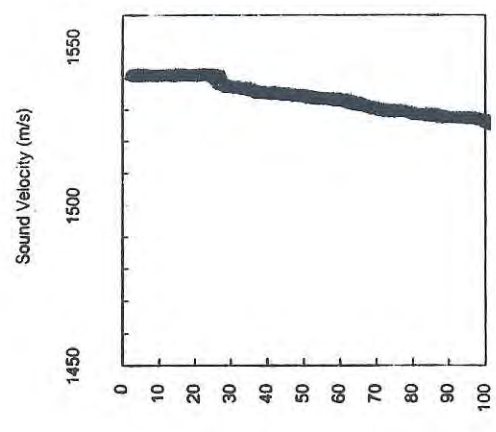
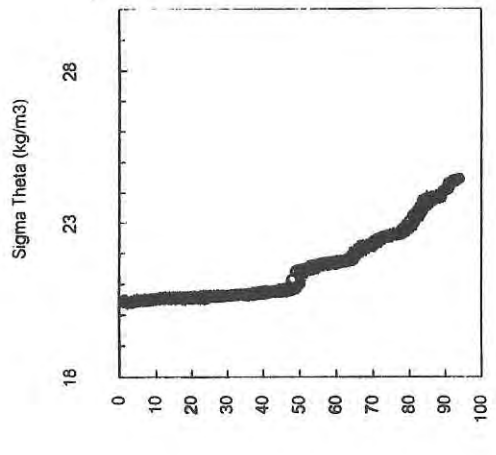
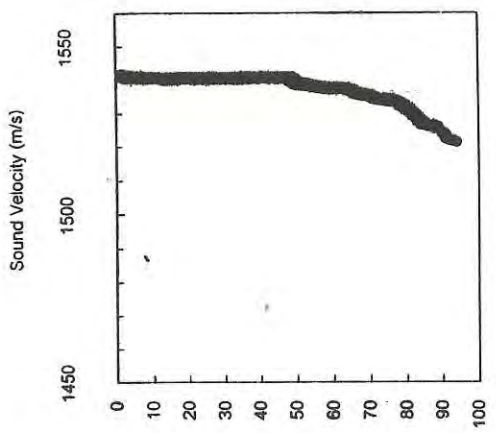
Station 073

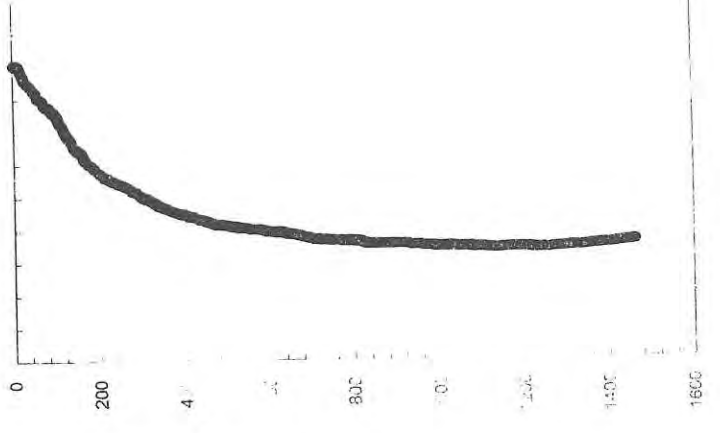
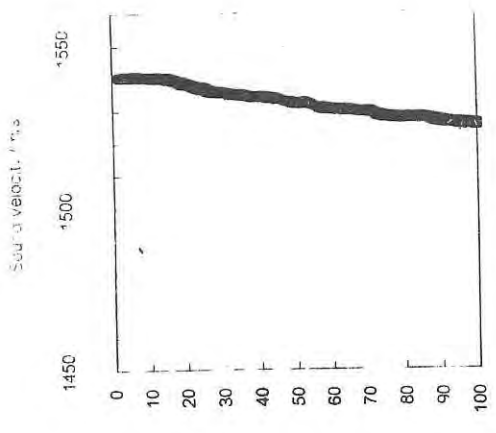
o = Upcast

● = Downcast

o = Upcast

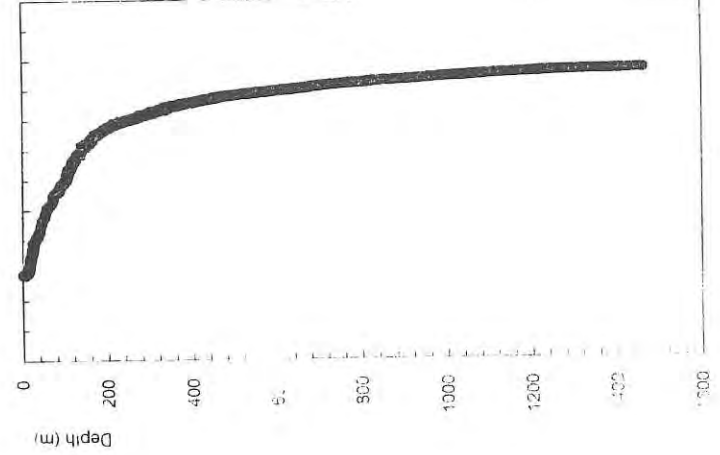
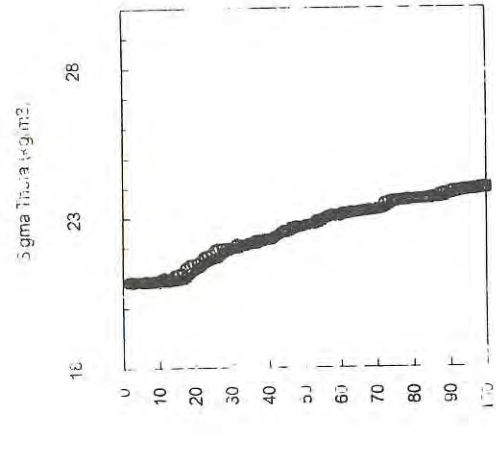
● = Downcast





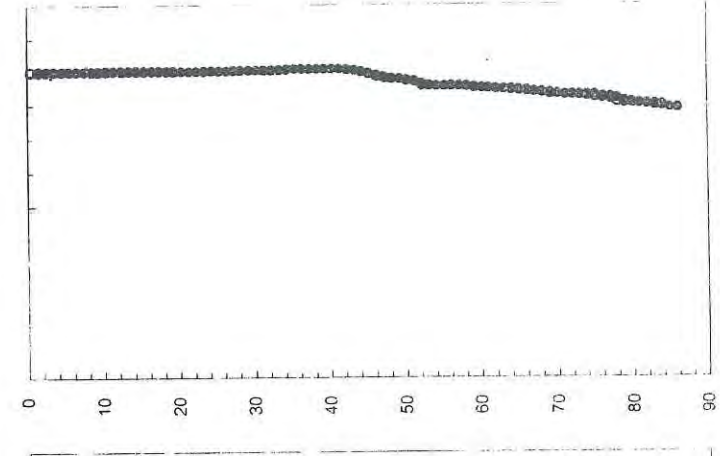
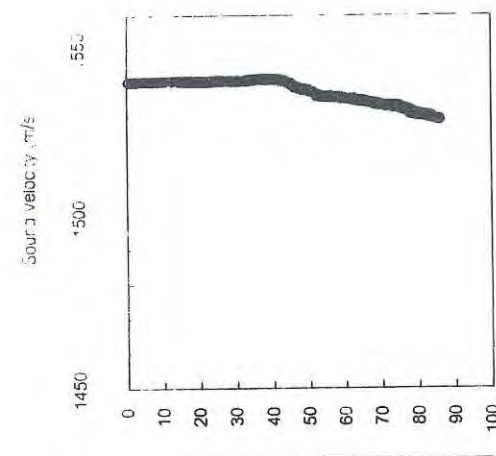
Station 078

o = Upcast



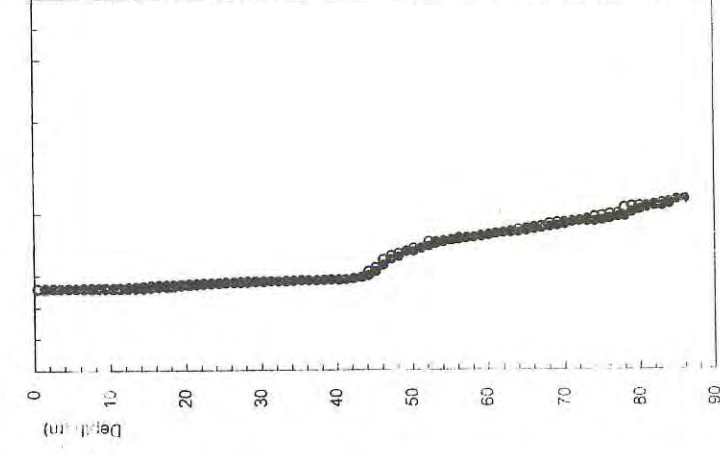
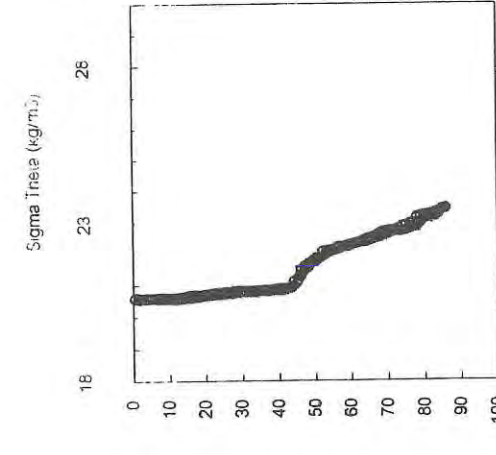
Station 077

● = Downcast



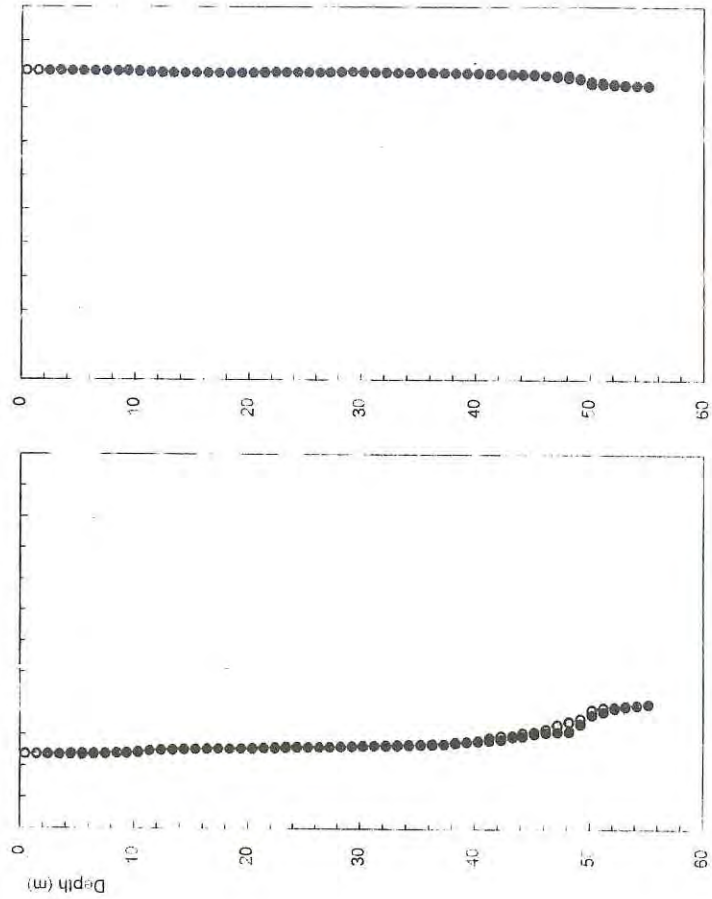
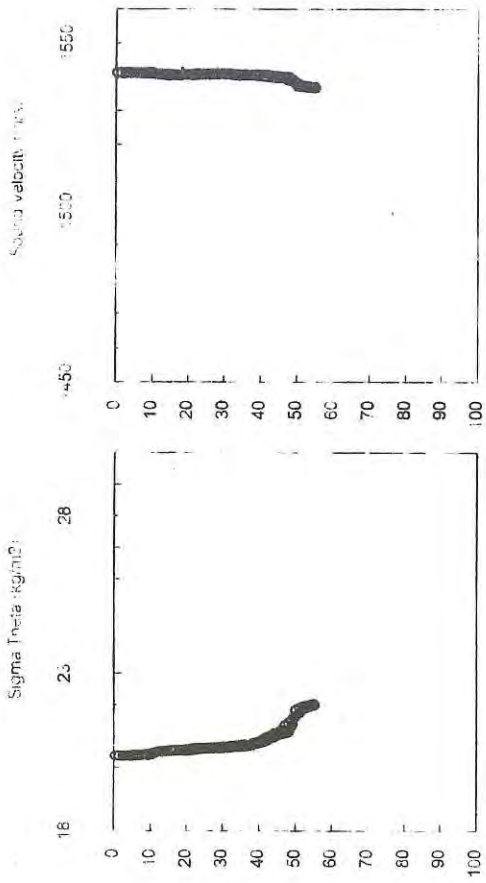
Station 076

o = Upcast



Station 075

● = Downcast



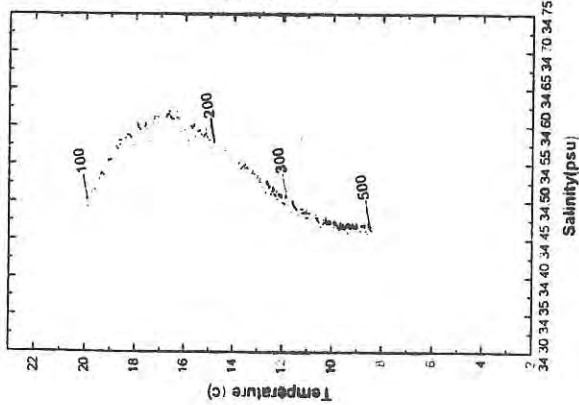
Station 079

o = Upcast

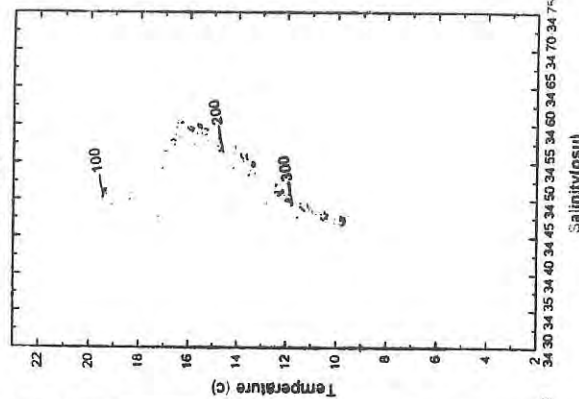
Station 079

● = Downcast

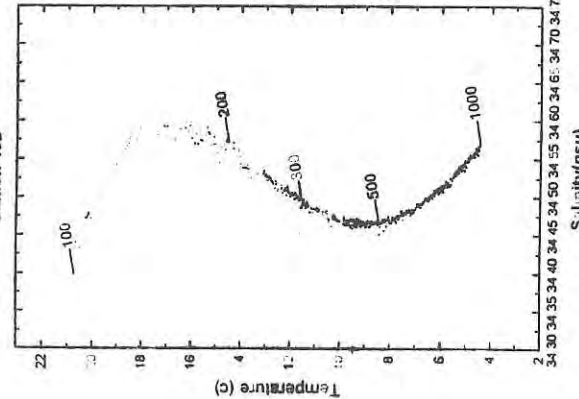
Station 24D



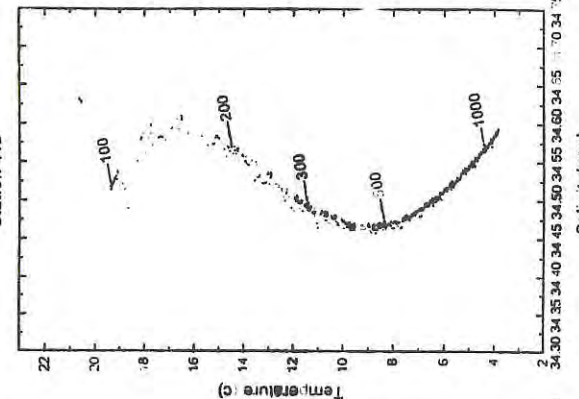
Station 37D



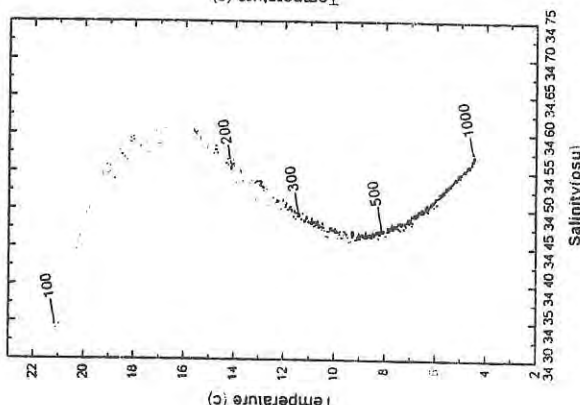
Station 40D



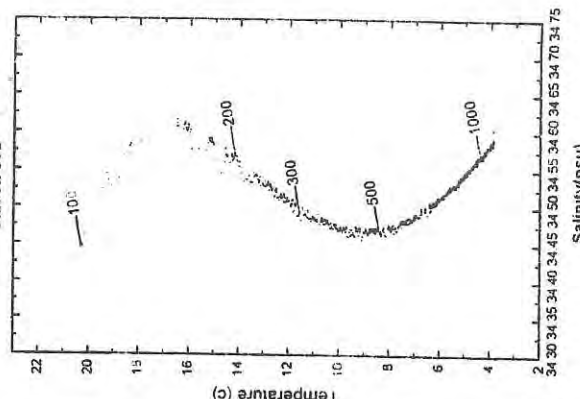
Station 41D



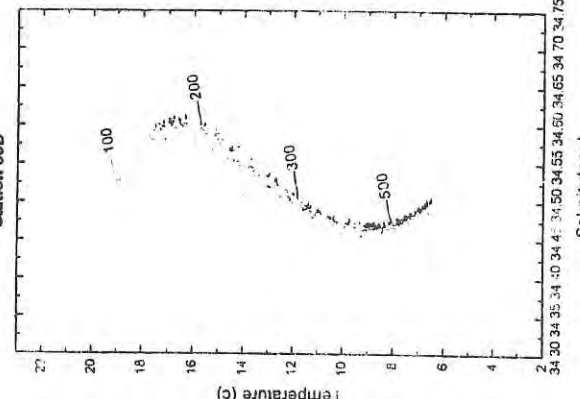
Station 38D



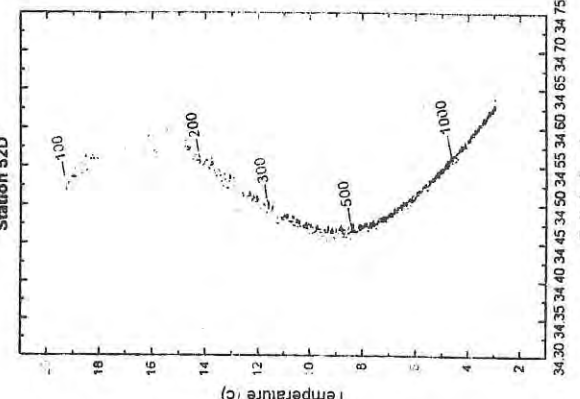
Station 39D

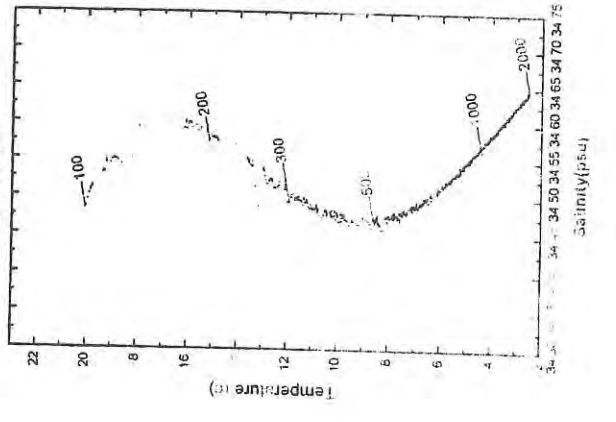
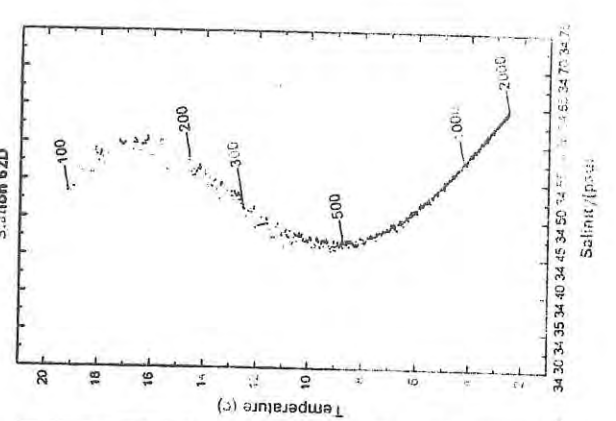
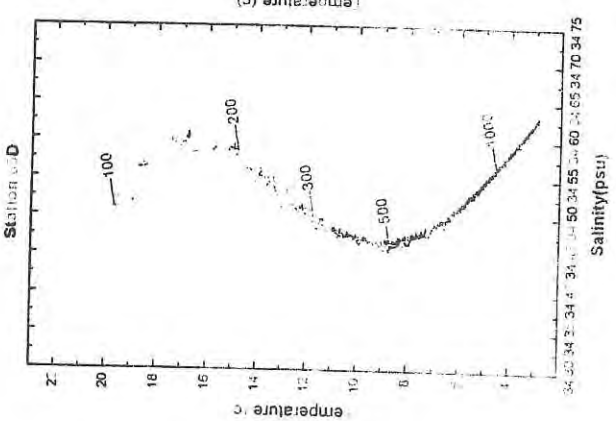
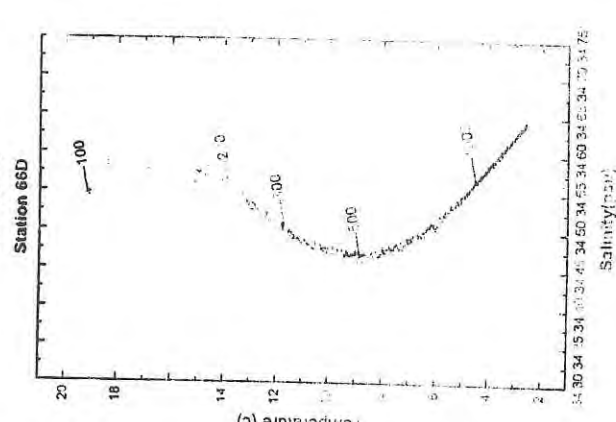
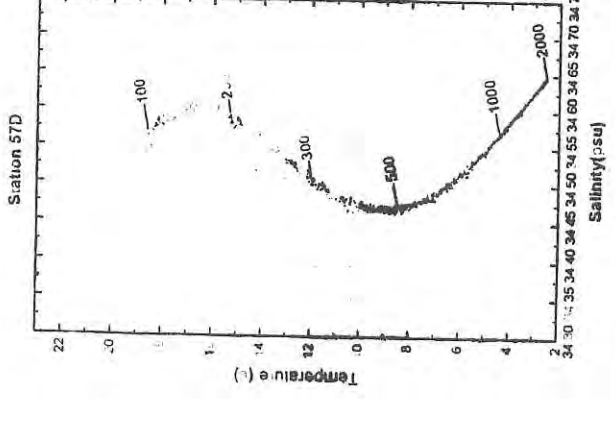
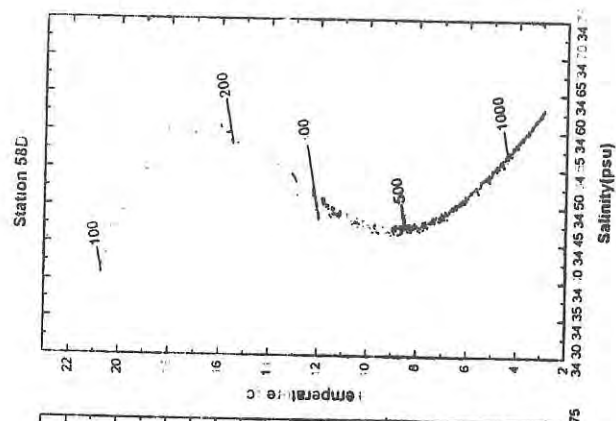
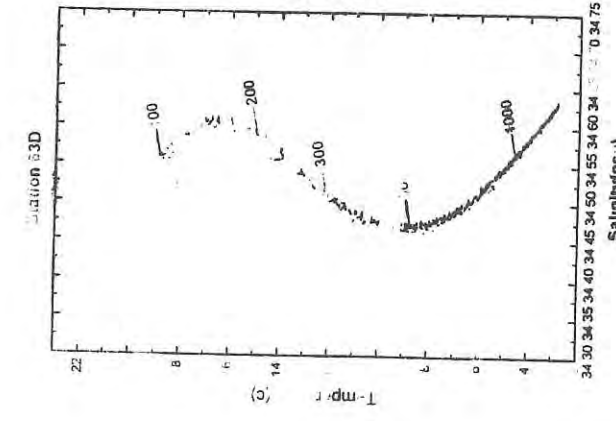
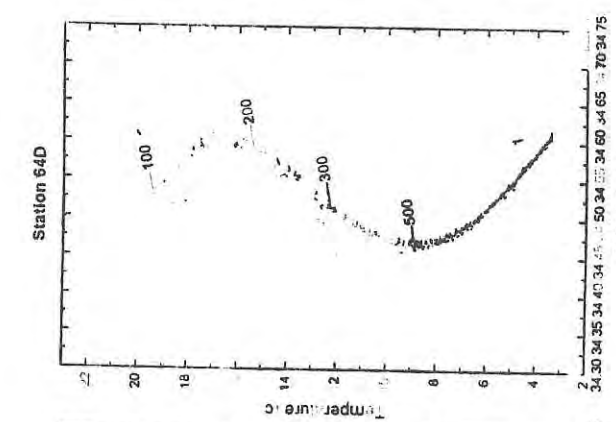


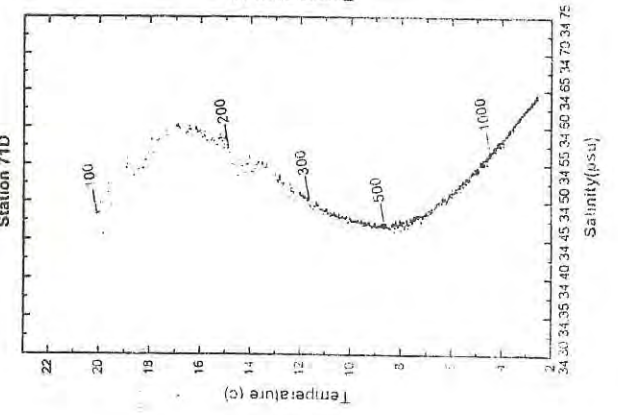
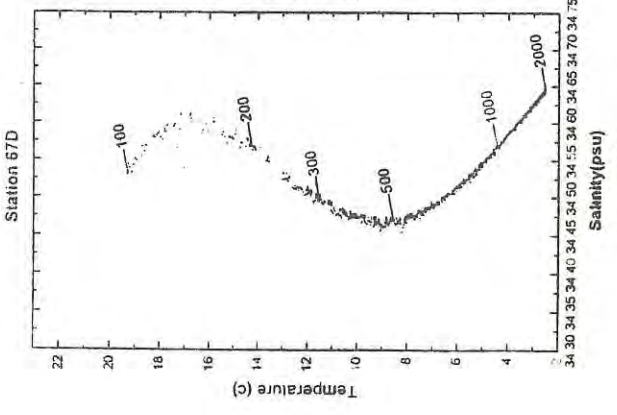
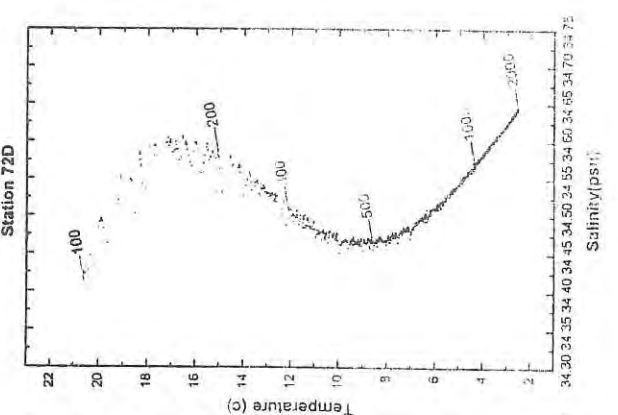
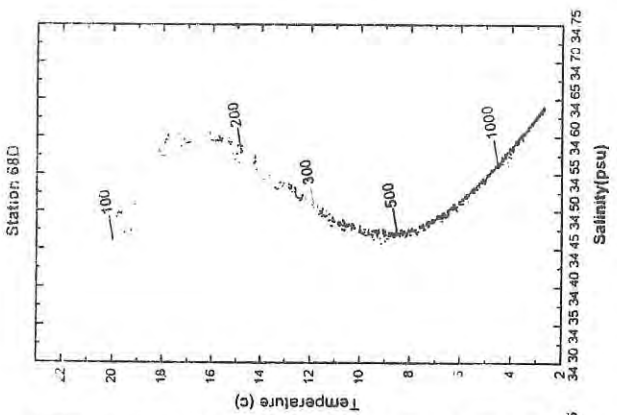
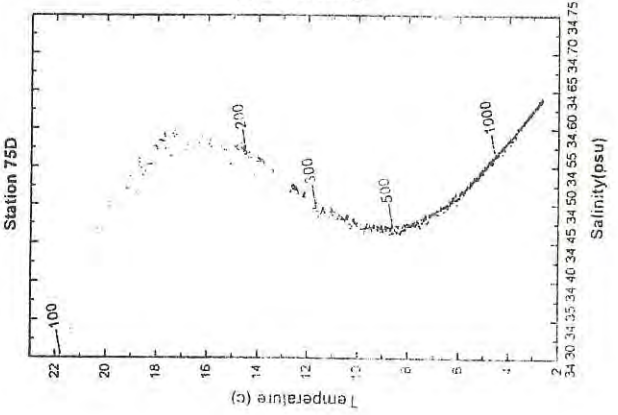
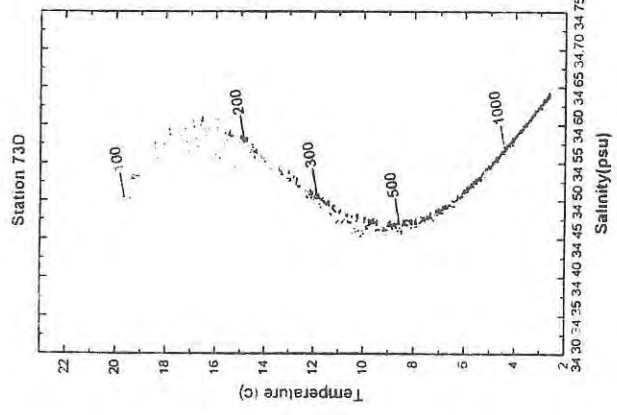
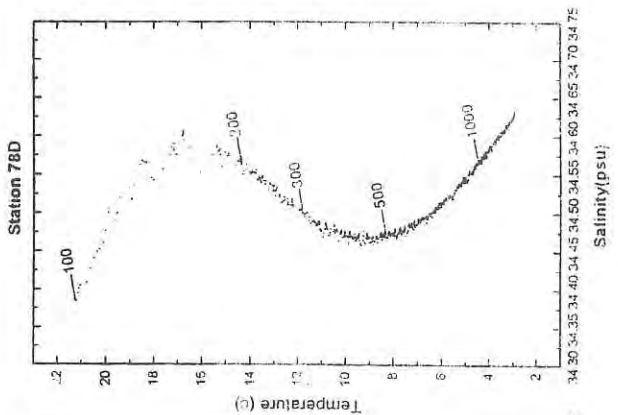
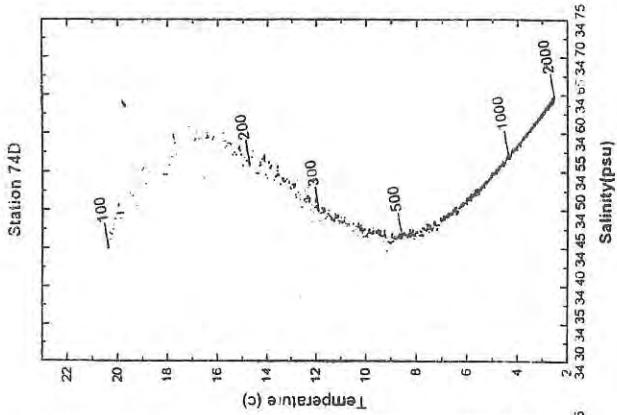
Station 50D

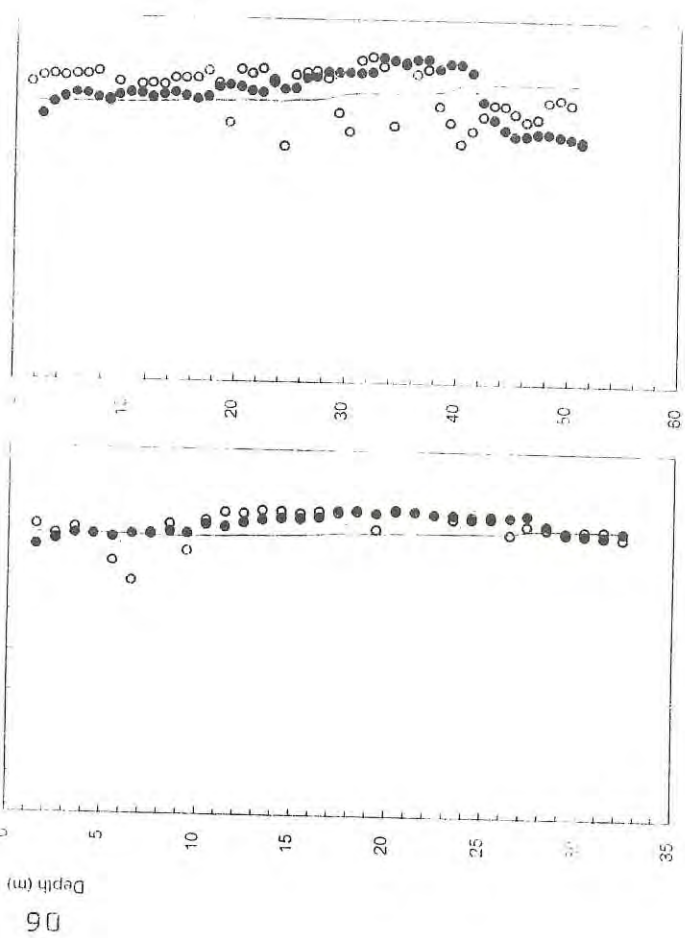
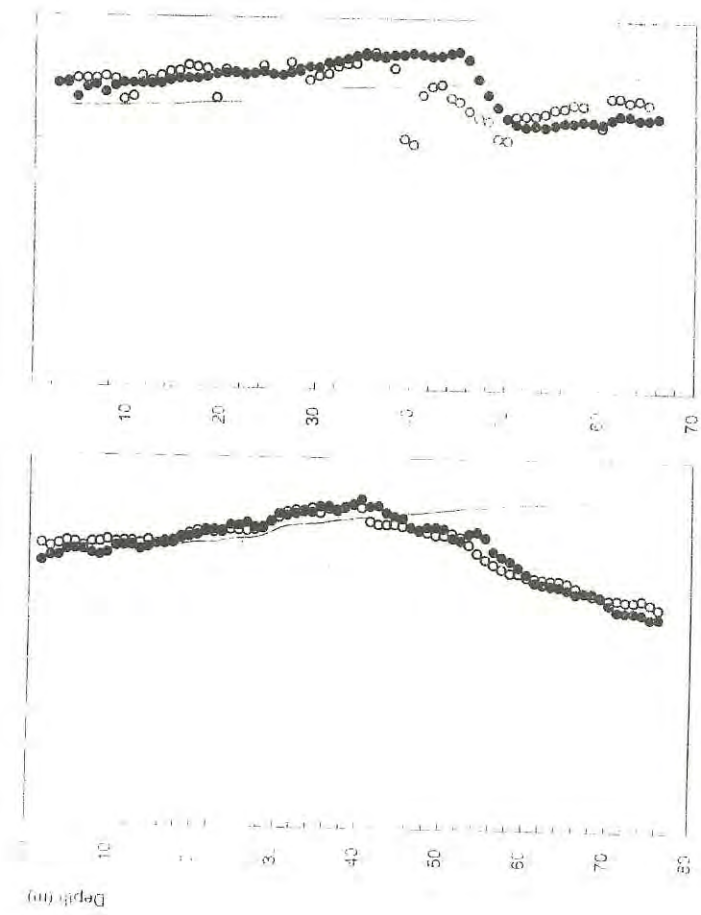
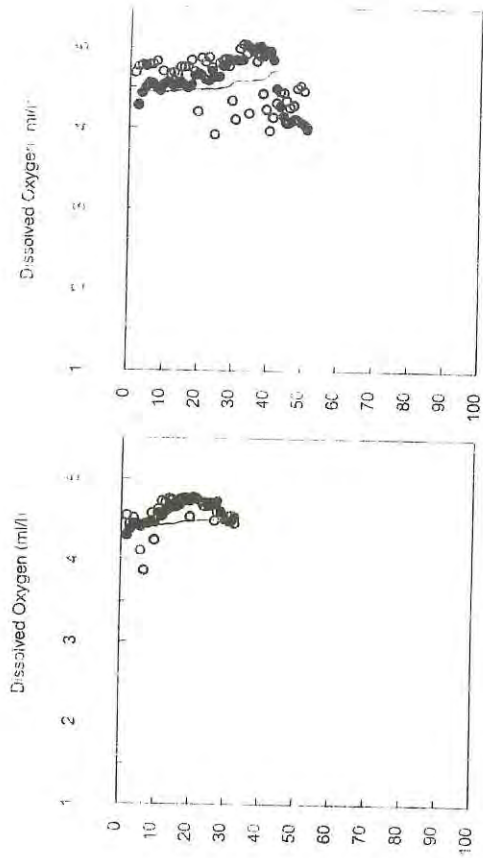
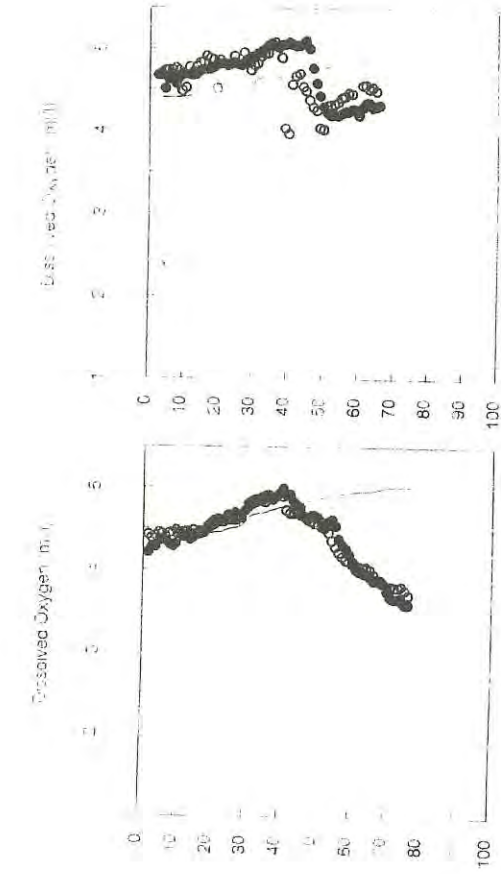


Station 52D



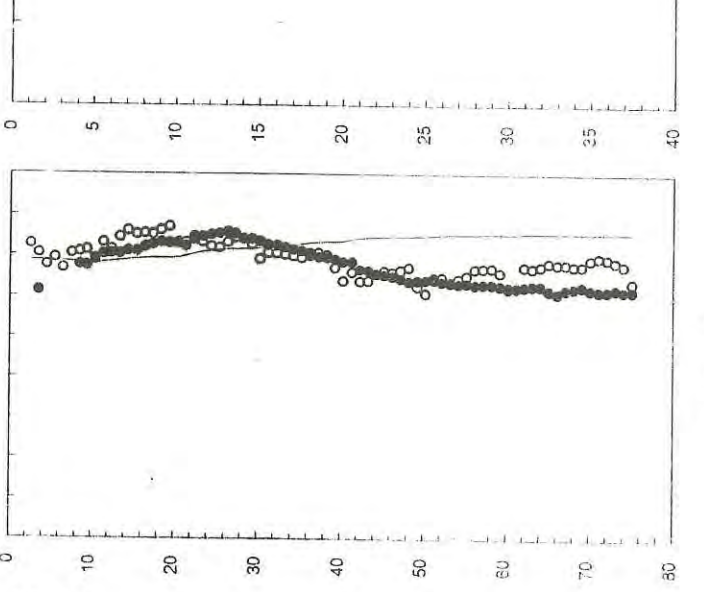
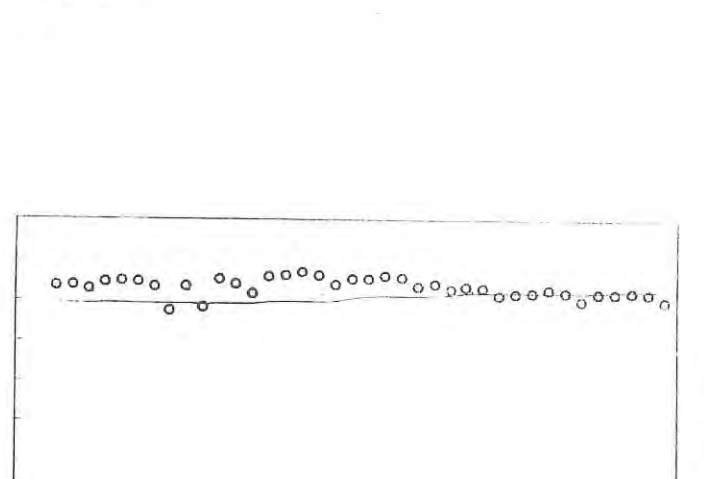
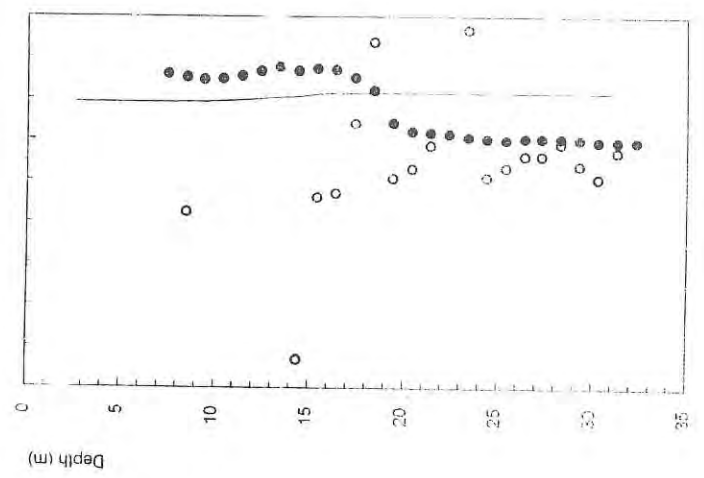
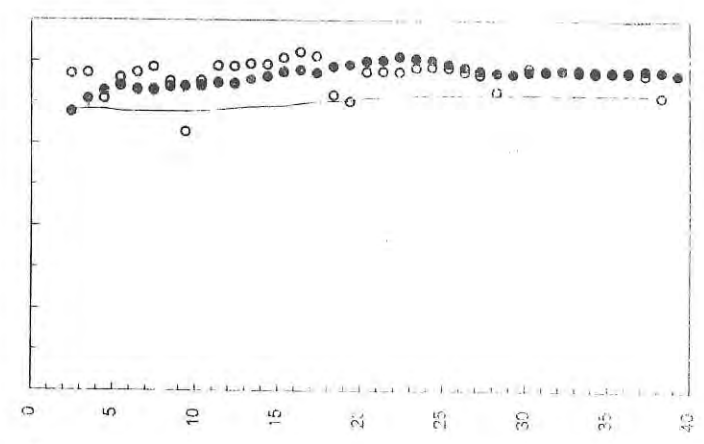
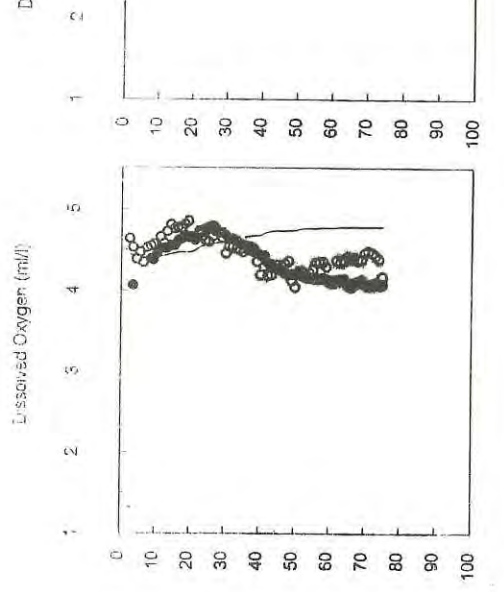
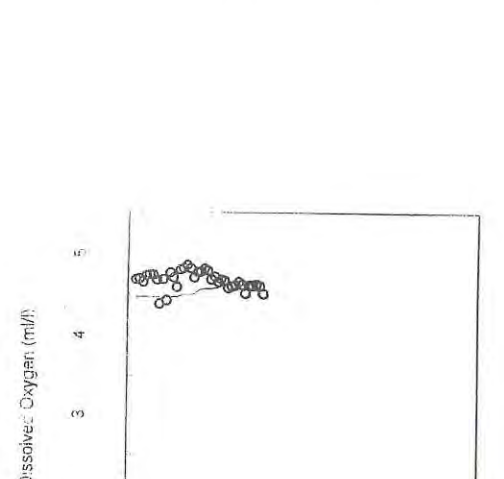
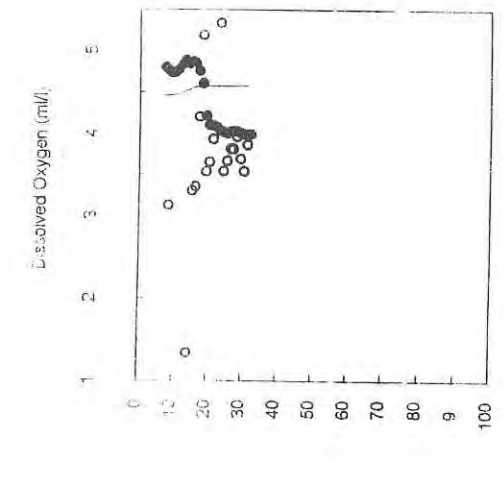
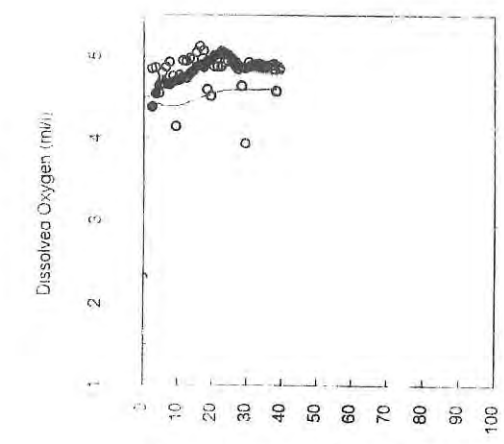






● = Down-cast ○ = Up-cast
 --- = Oxygen Saturation

● = Down-cast ○ = Up-cast
 --- = Oxygen Saturation



Station 005

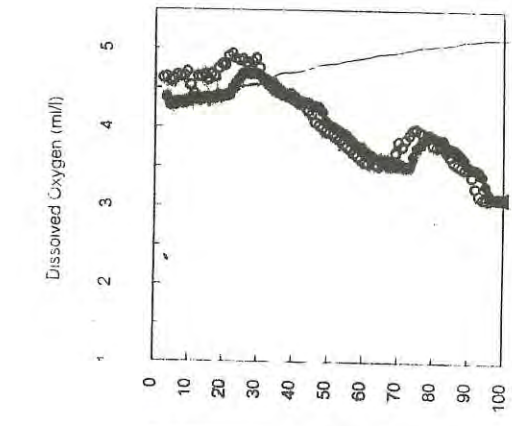
Station 007

Station 006

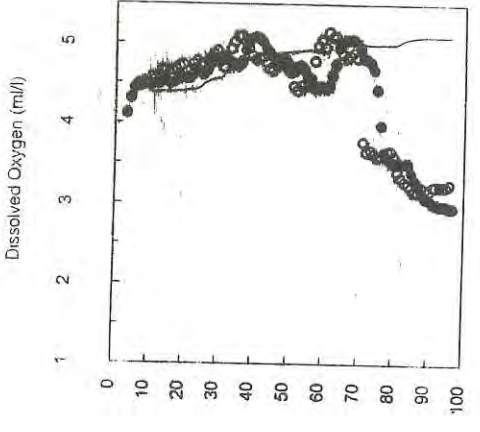
Station 005

● = Down-cast ○ = Up-cast - - - = Oxygen Saturation

● = Down-cast ○ = Up-cast - - - = Oxygen Saturation

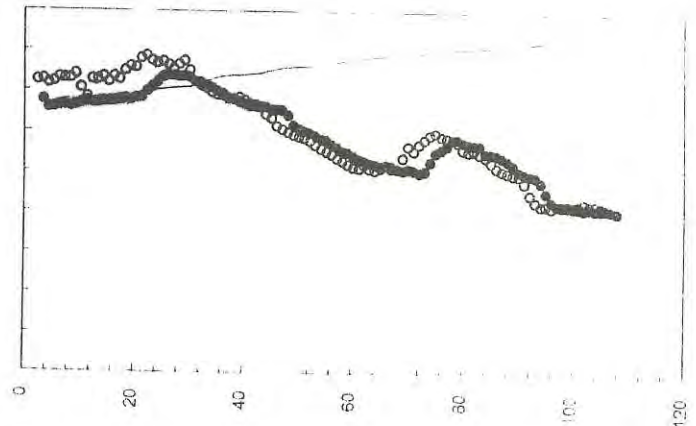


Station 012



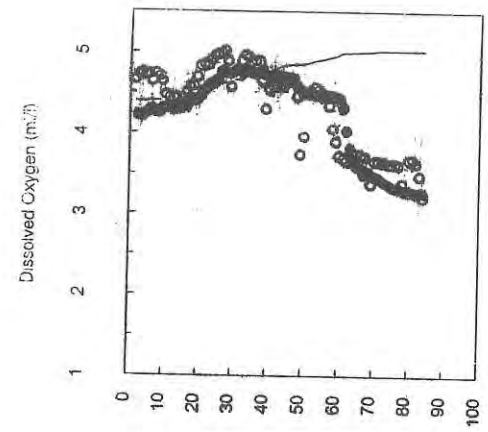
Station 014

● = Down-cast ○ = Up-cast
----- = Oxygen Saturation



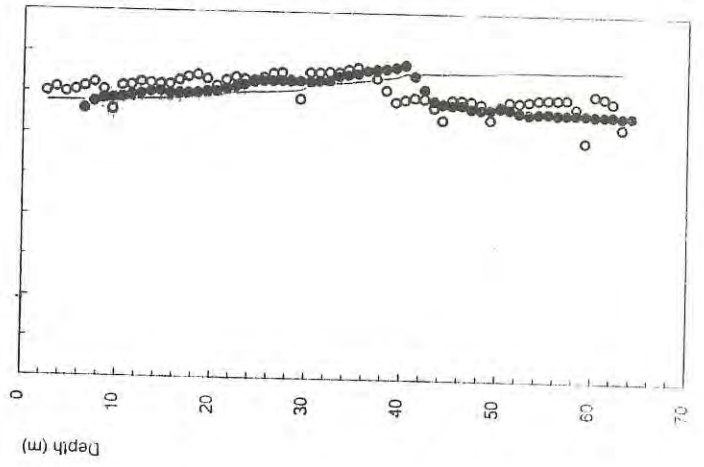
Station 010

----- = Oxygen Saturation



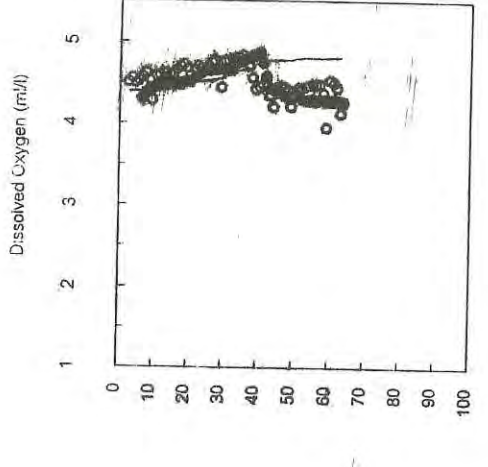
Station 009

● = Down-cast ○ = Up-cast



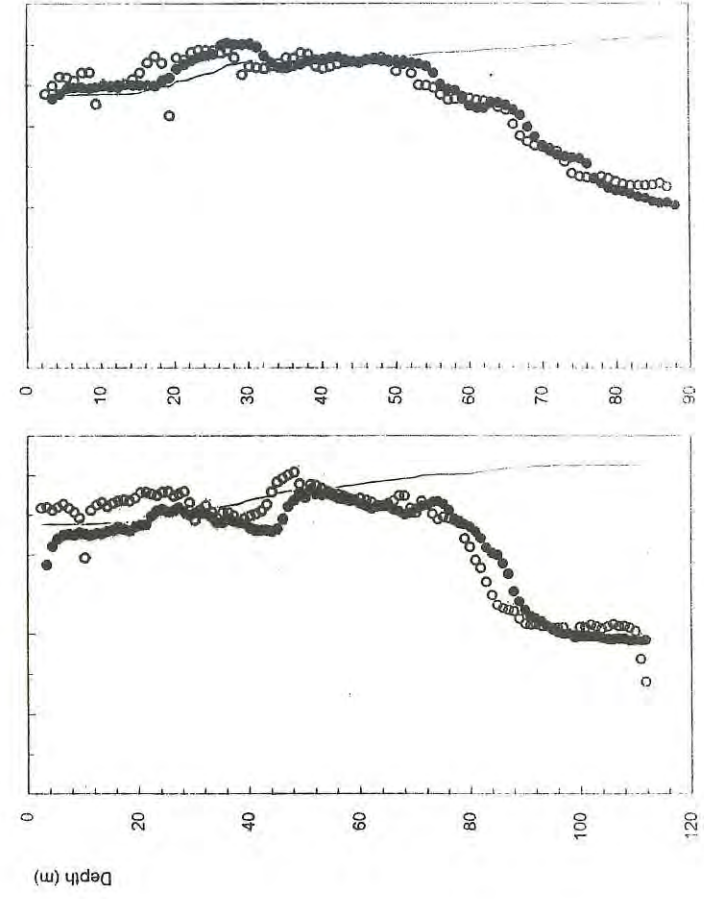
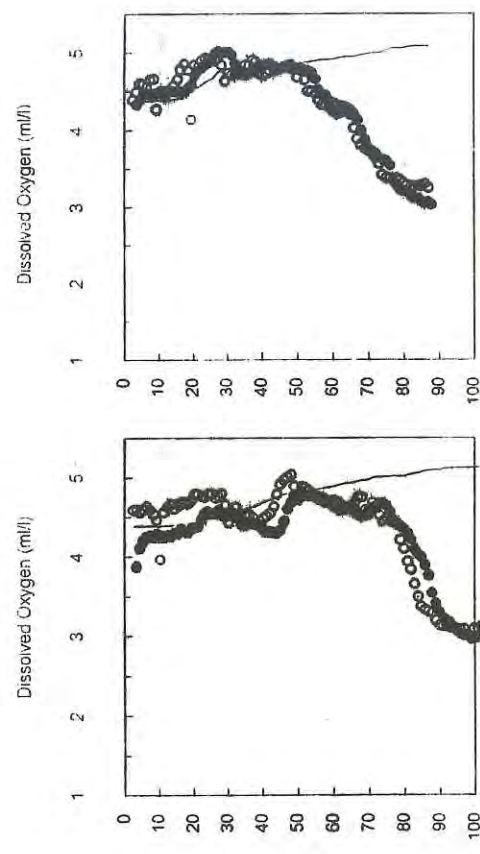
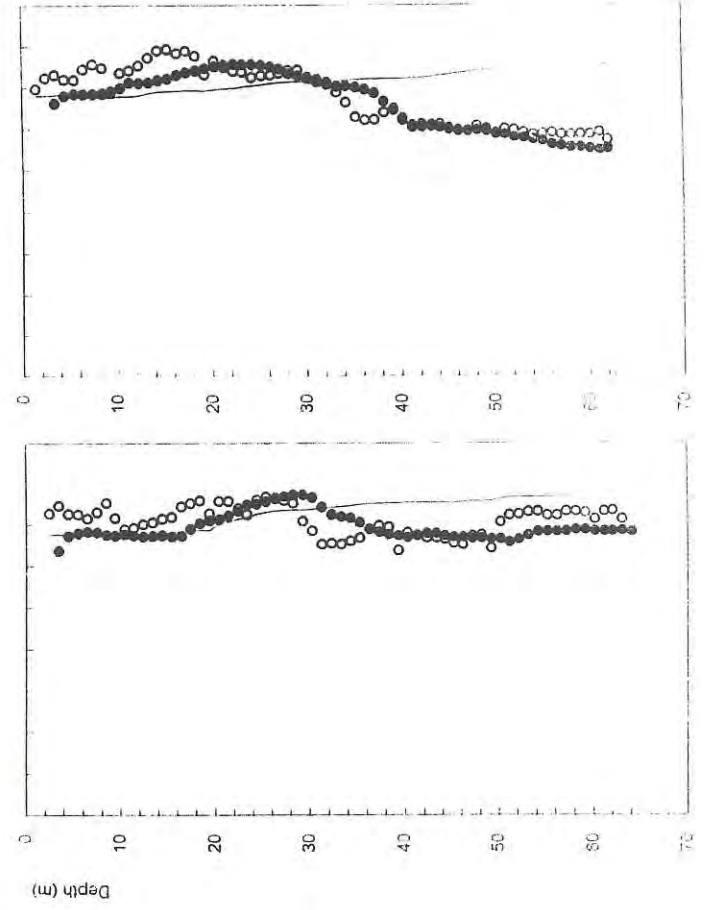
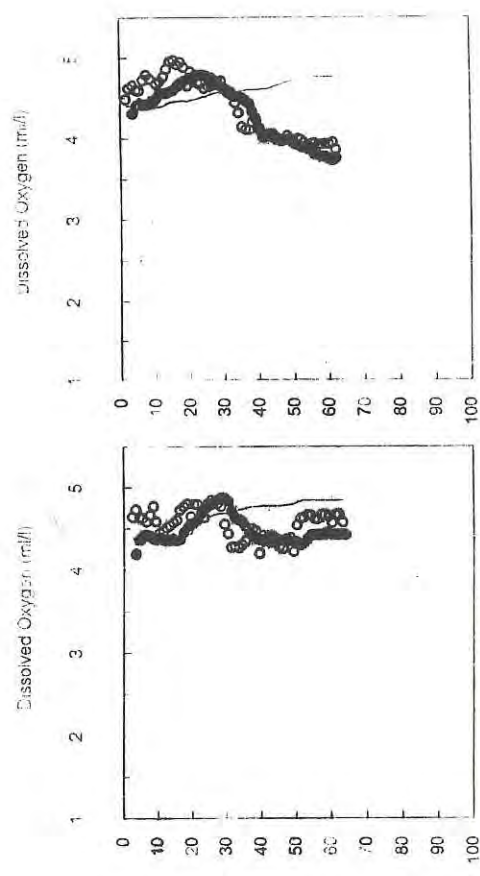
Station 010

----- = Oxygen Saturation



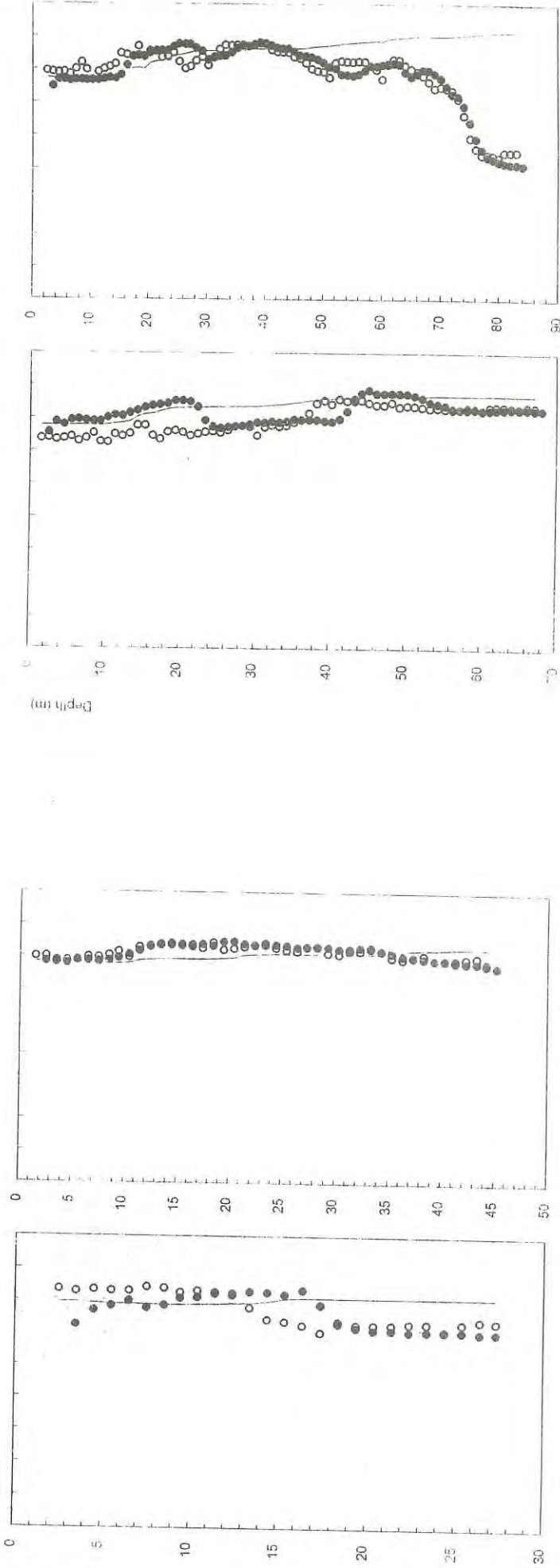
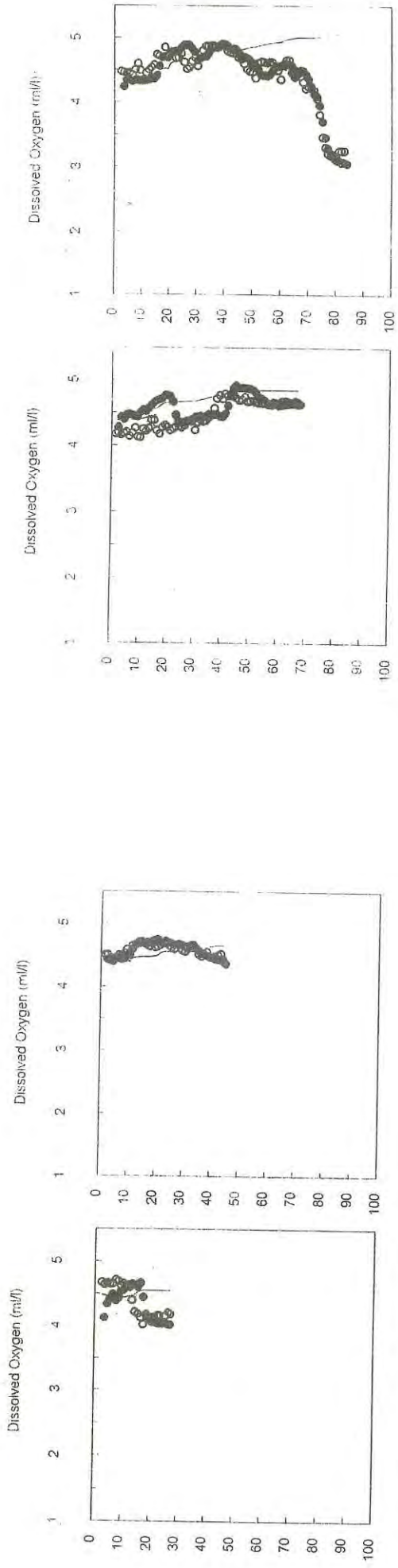
Station 009

● = Down-cast ○ = Up-cast

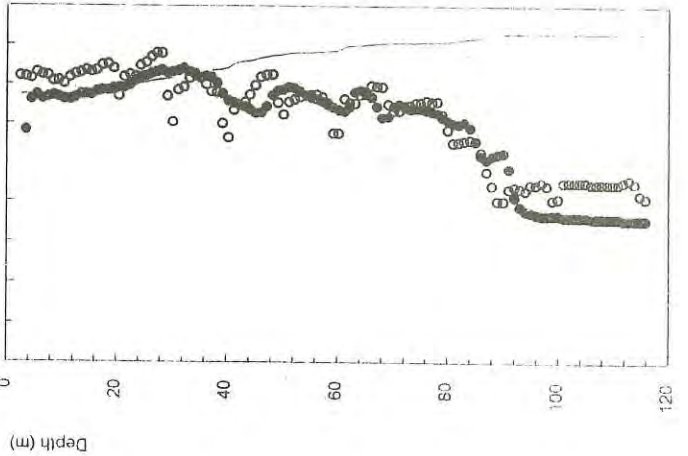
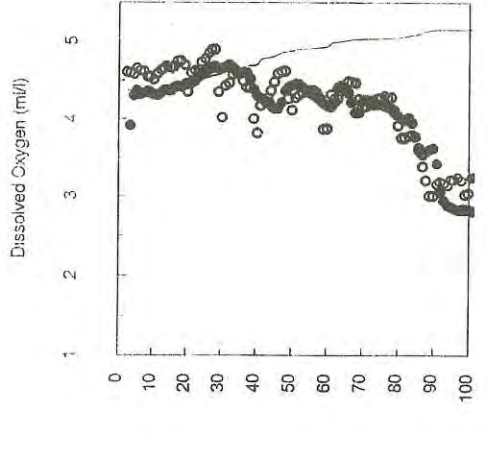
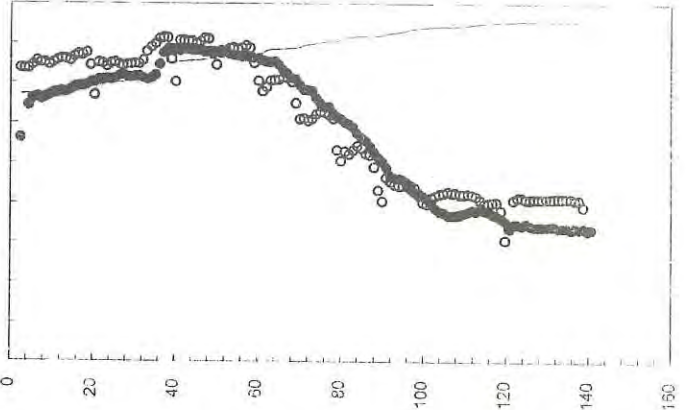
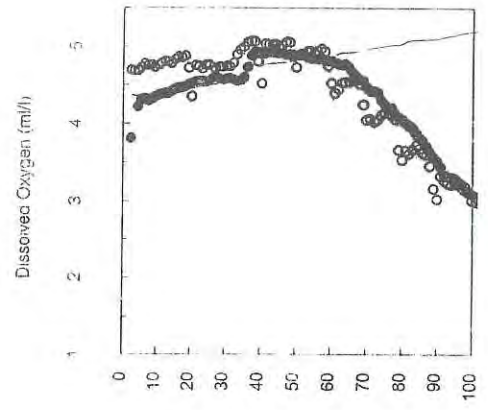
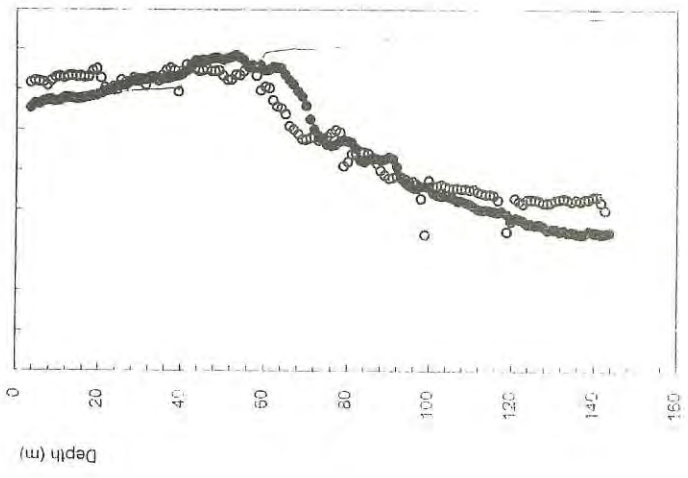
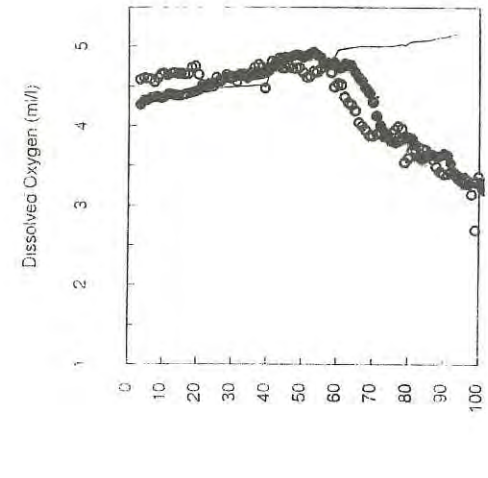
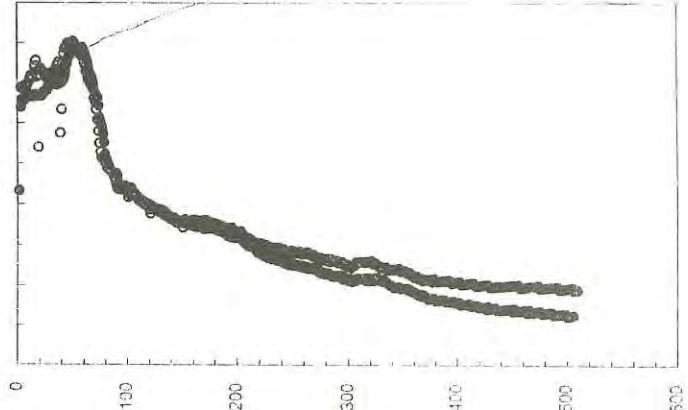
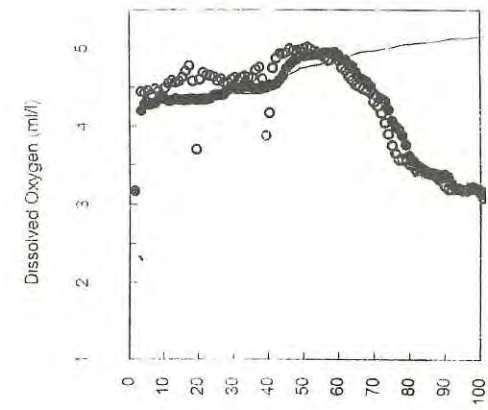


Station 010 Station 011 Station 013 Station 014

● = Down-cast ○ = Up-cast --- = Oxygen Saturation



● = Down-cast ○ = Up-cast ---- = Oxygen Saturation

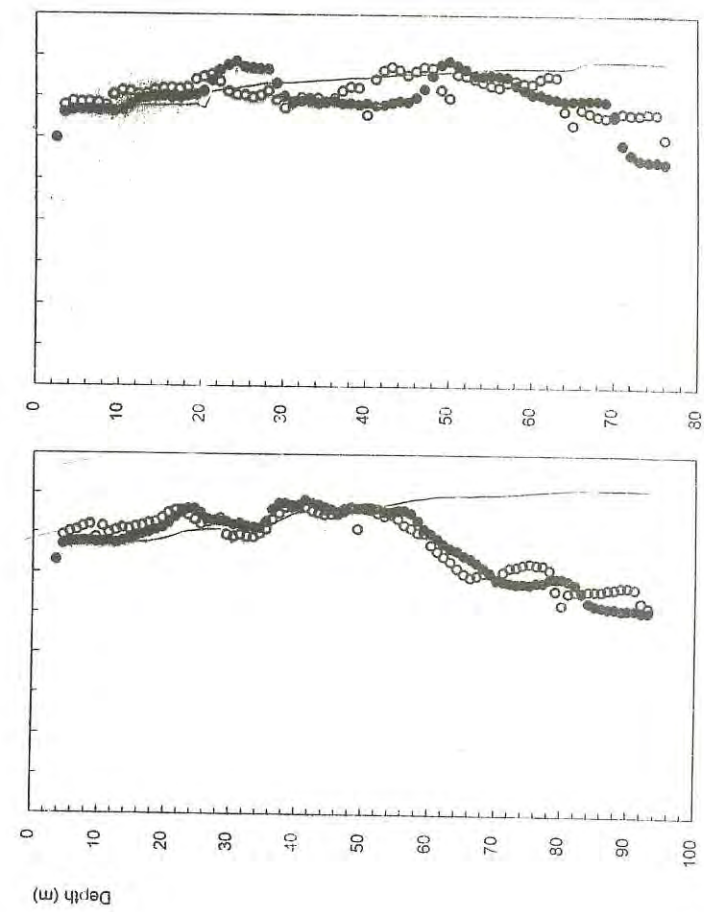
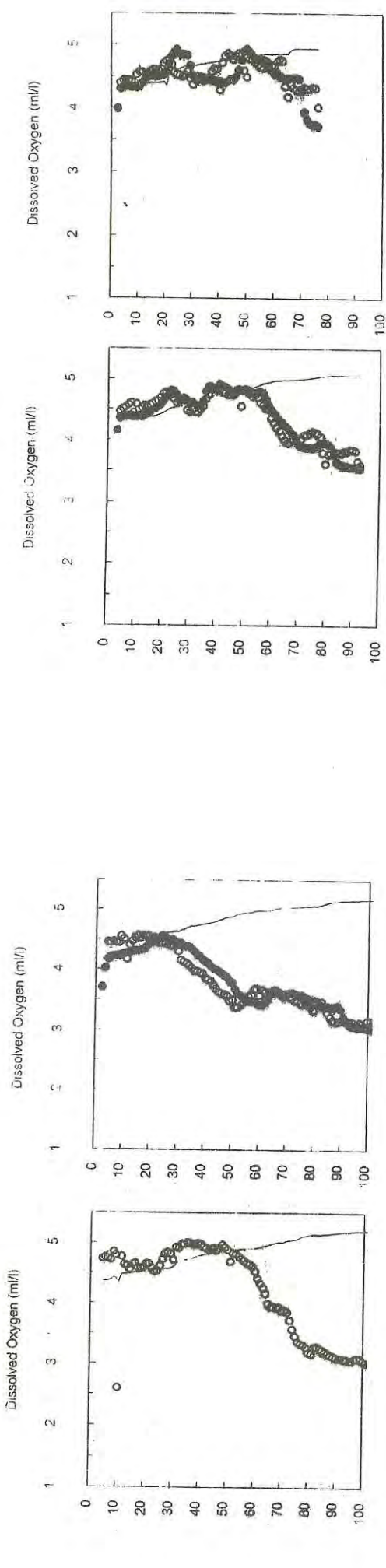


Station 024
 ● = Down-cast ○ = Up-cast
 ----- = Oxygen Saturation

Station 023
 ● = Down-cast ○ = Up-cast
 ----- = Oxygen Saturation

Station 022
 ● = Down-cast ○ = Up-cast
 ----- = Oxygen Saturation

Station 021
 ● = Down-cast ○ = Up-cast
 ----- = Oxygen Saturation

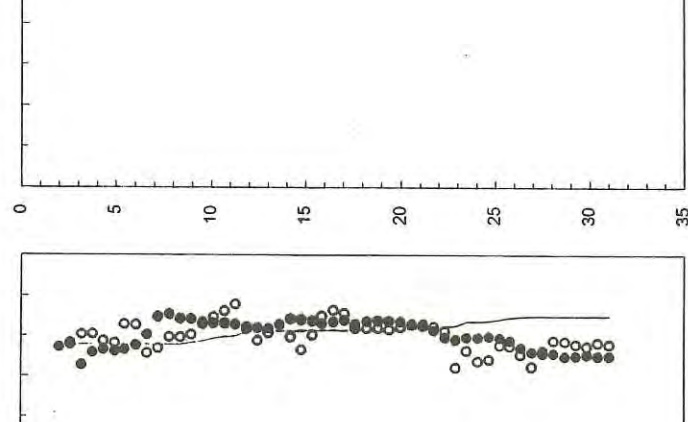
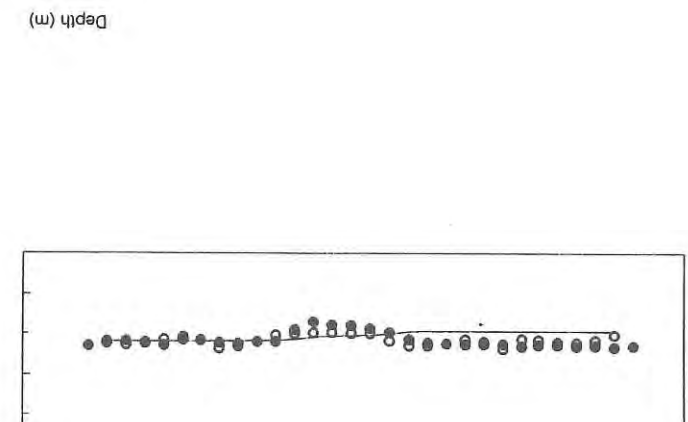
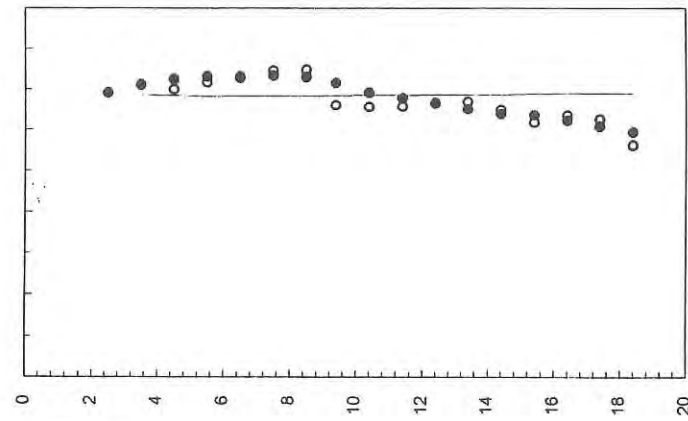
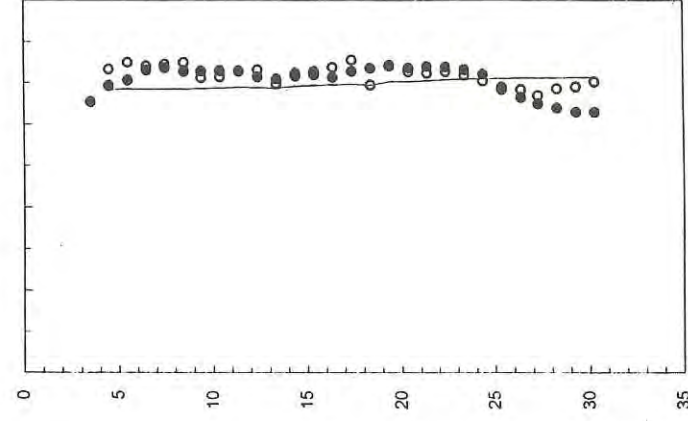
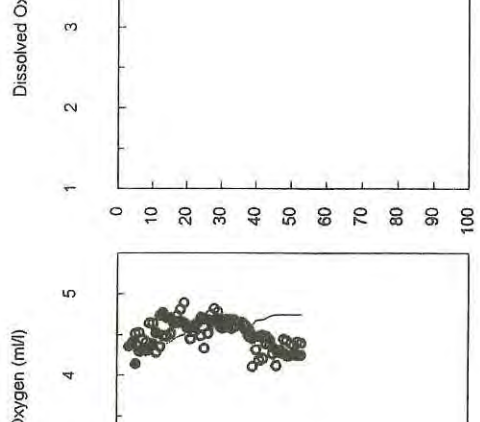
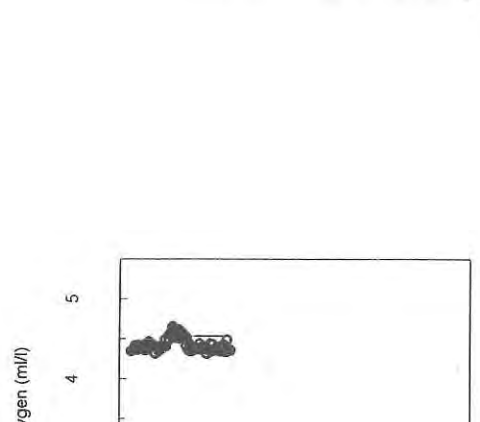
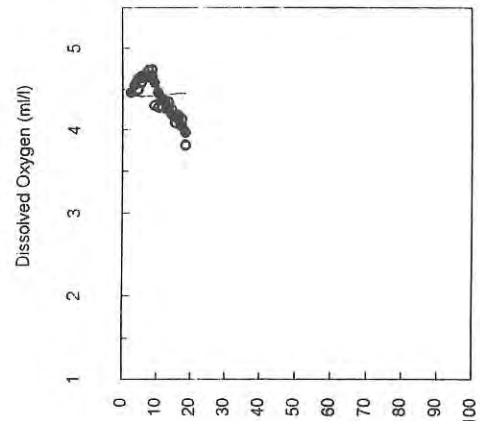
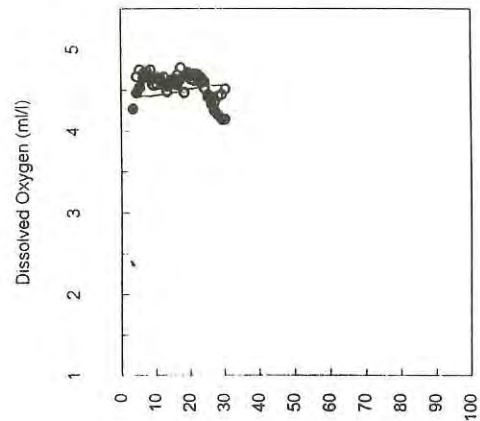


Station 025 ● = Down-cast ○ = Up-cast ----- = Oxygen Saturation

Station 026 ● = Down-cast ○ = Up-cast ----- = Oxygen Saturation

Station 027 ● = Down-cast ○ = Up-cast ----- = Oxygen Saturation

Station 028 ● = Down-cast ○ = Up-cast ----- = Oxygen Saturation



Station 029

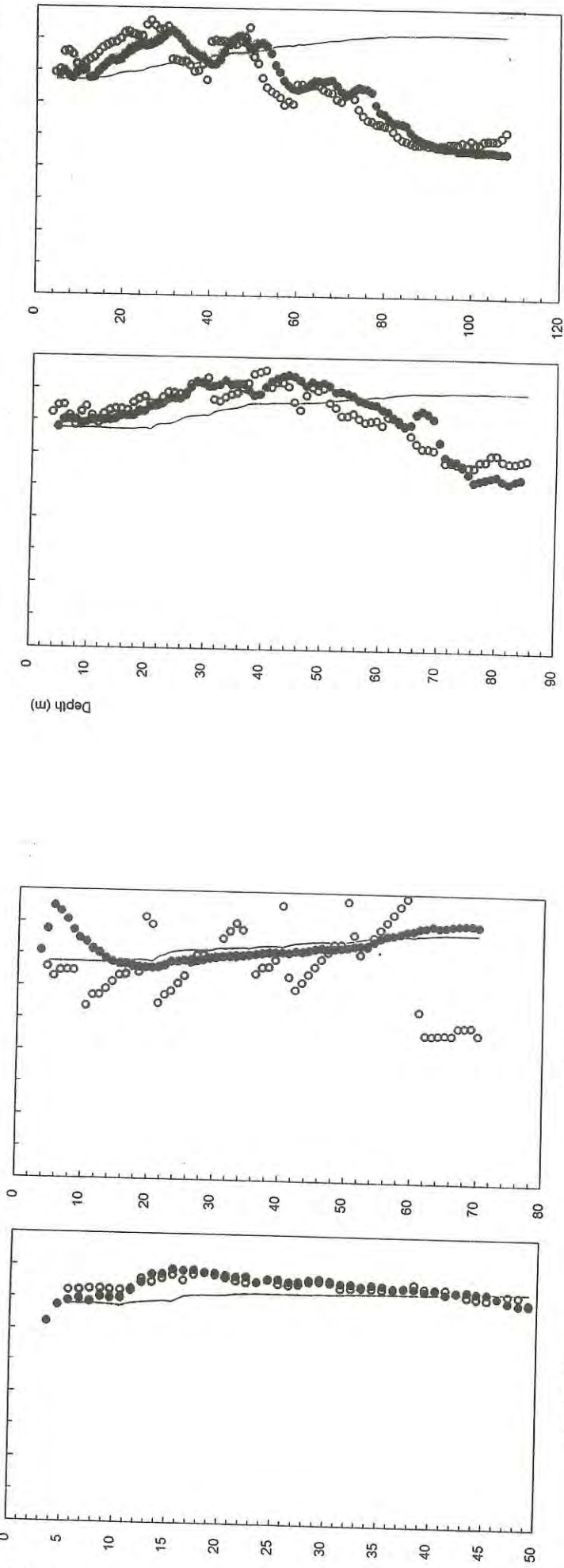
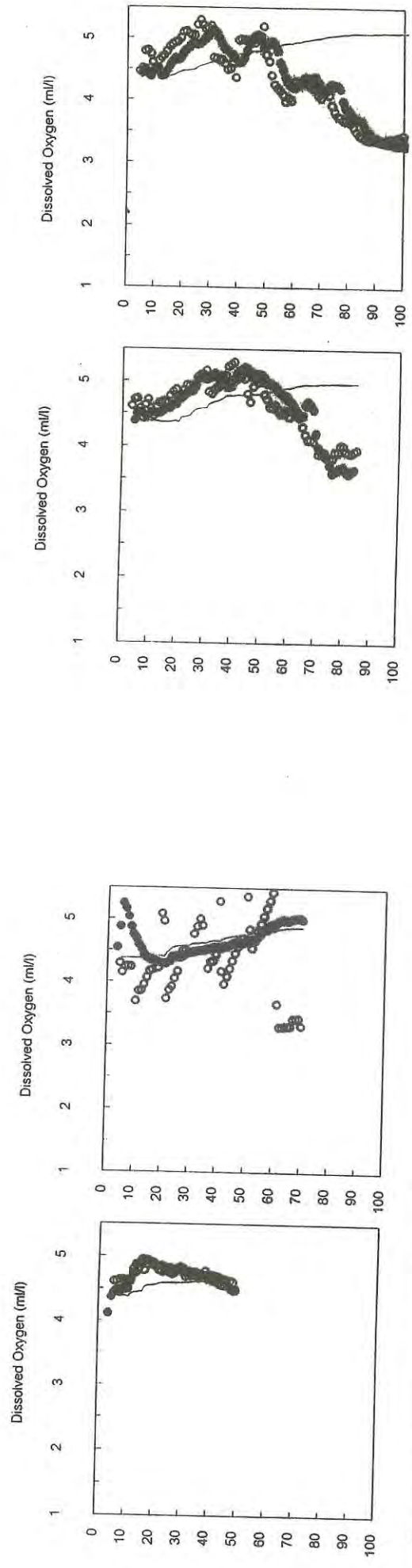
Station 030

Station 031

Station 032

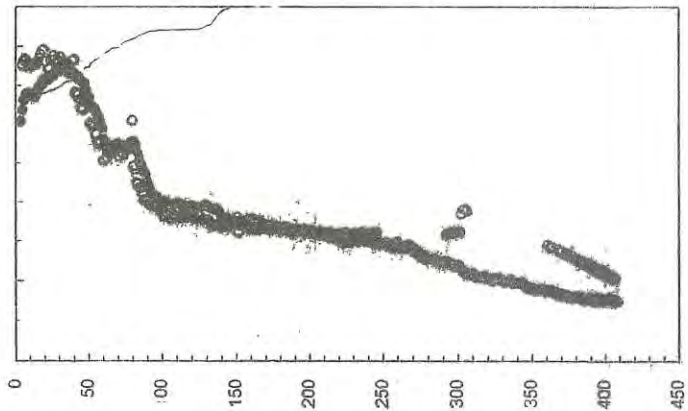
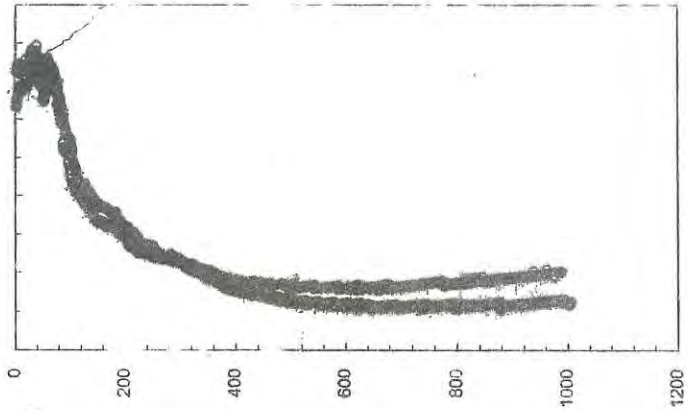
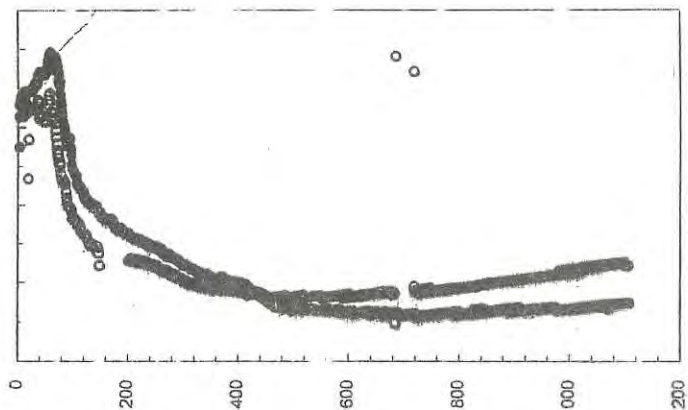
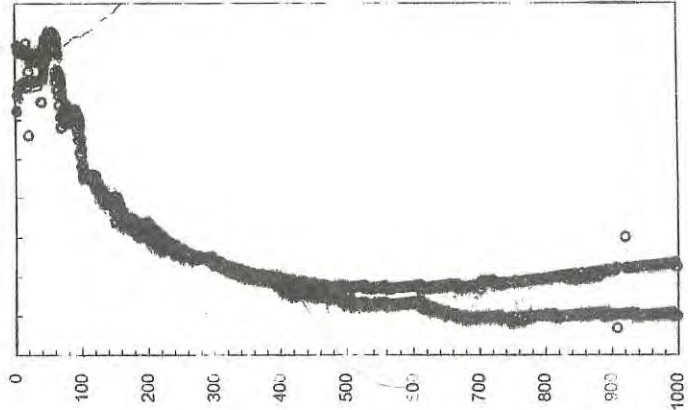
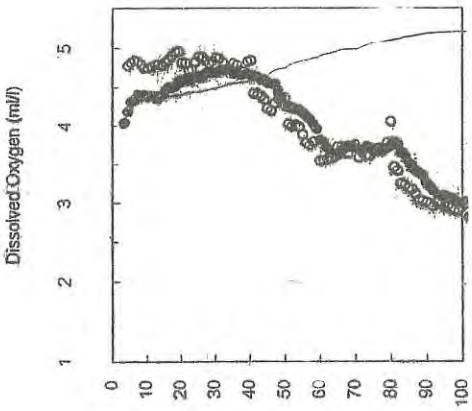
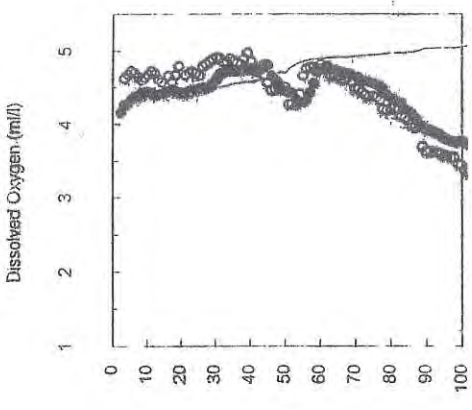
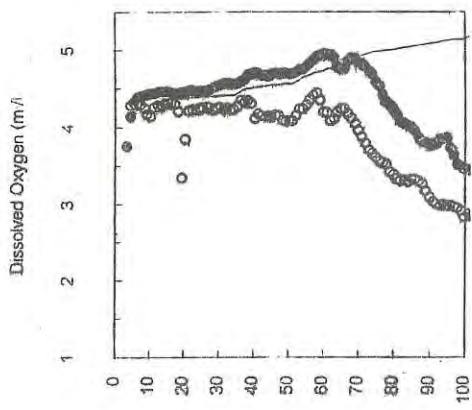
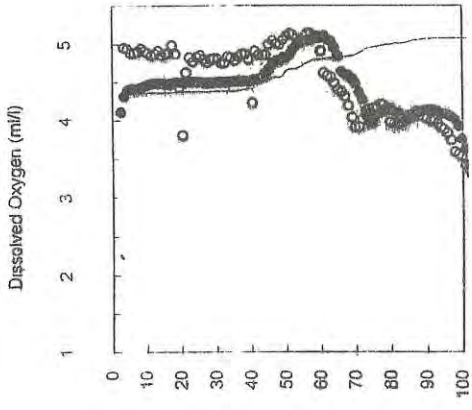
● = Down-cast ○ = Up-cast ----- = Oxygen Saturation

● = Down-cast ○ = Up-cast ----- = Oxygen Saturation



Station 033 Station 034 Station 035 Station 036

● = Down-cast ○ = Up-cast ---- = Oxygen Saturation



Station 040

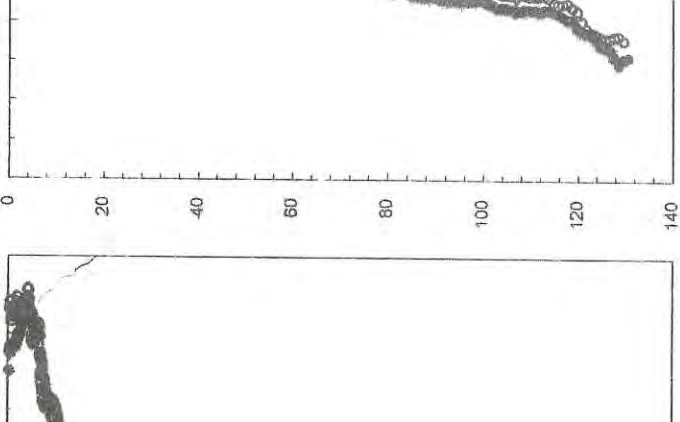
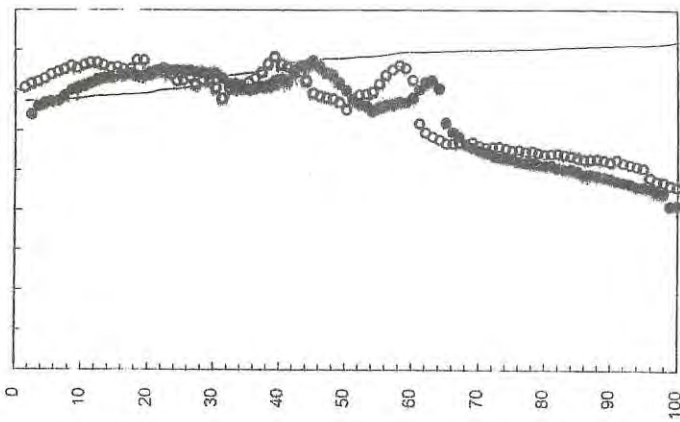
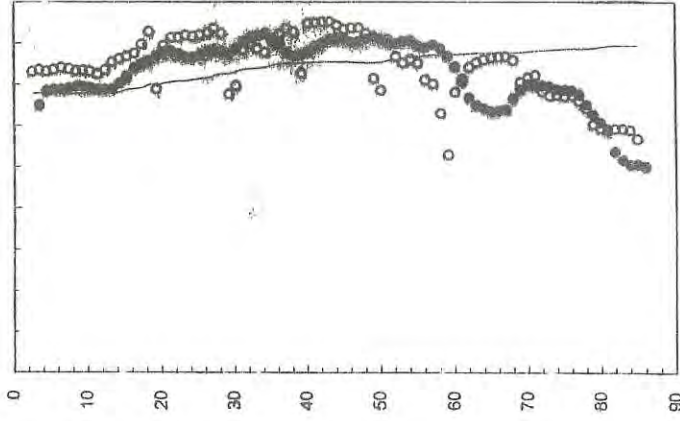
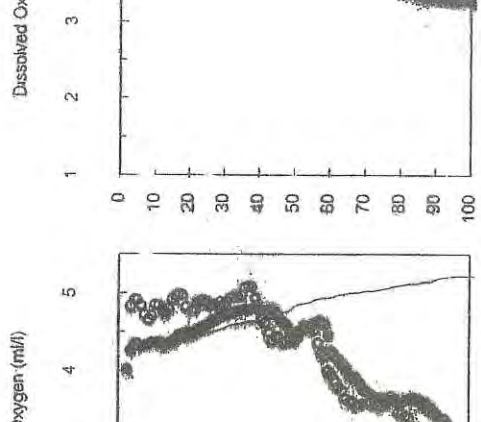
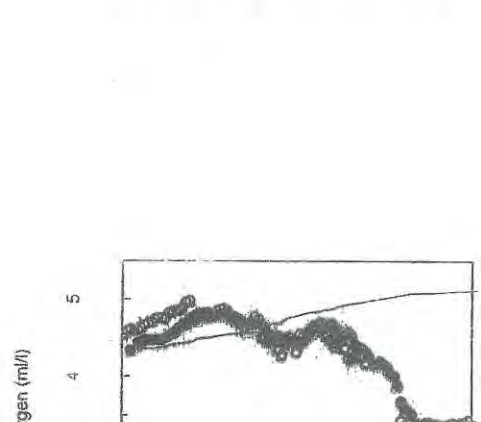
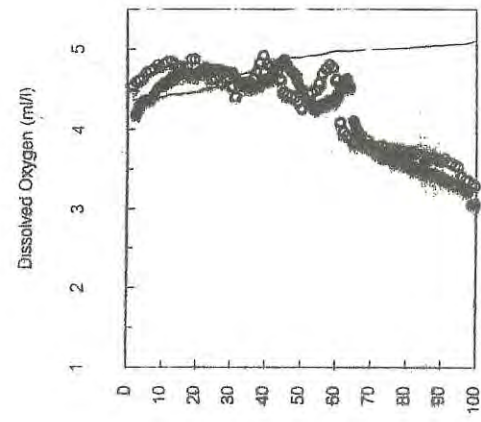
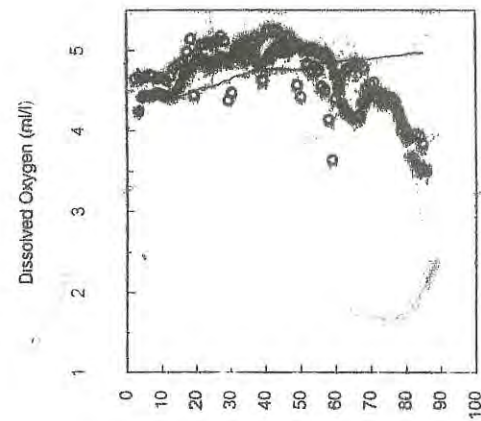
Station 039

Station 038

Station 037

● = Down-cast ○ = Up-cast
 ---- = Oxygen Saturation

● = Down-cast ○ = Up-cast
 ---- = Oxygen Saturation



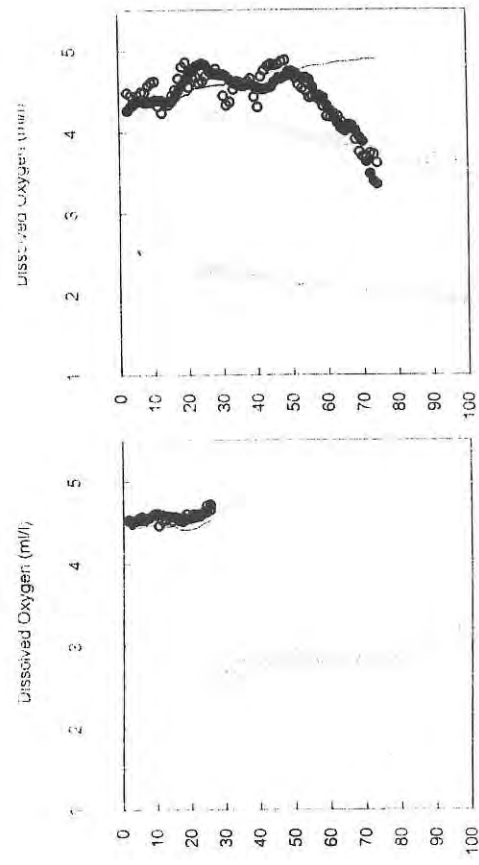
Station 044

Station 043

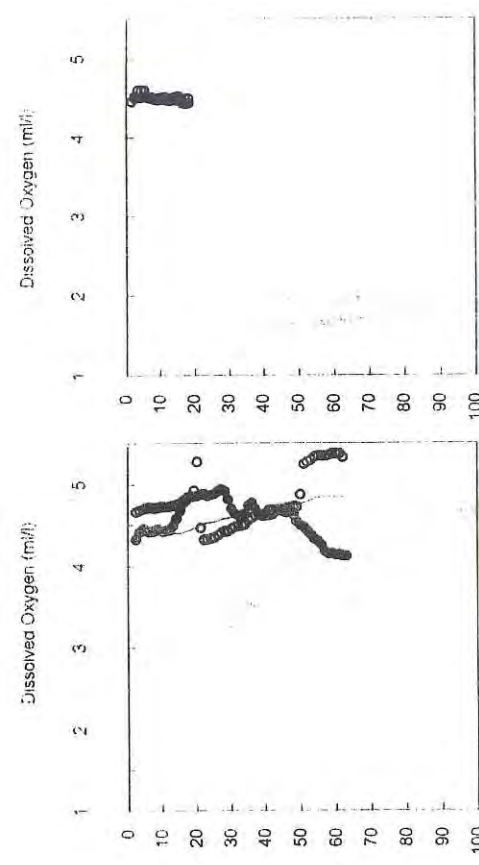
Station 042

Station 041

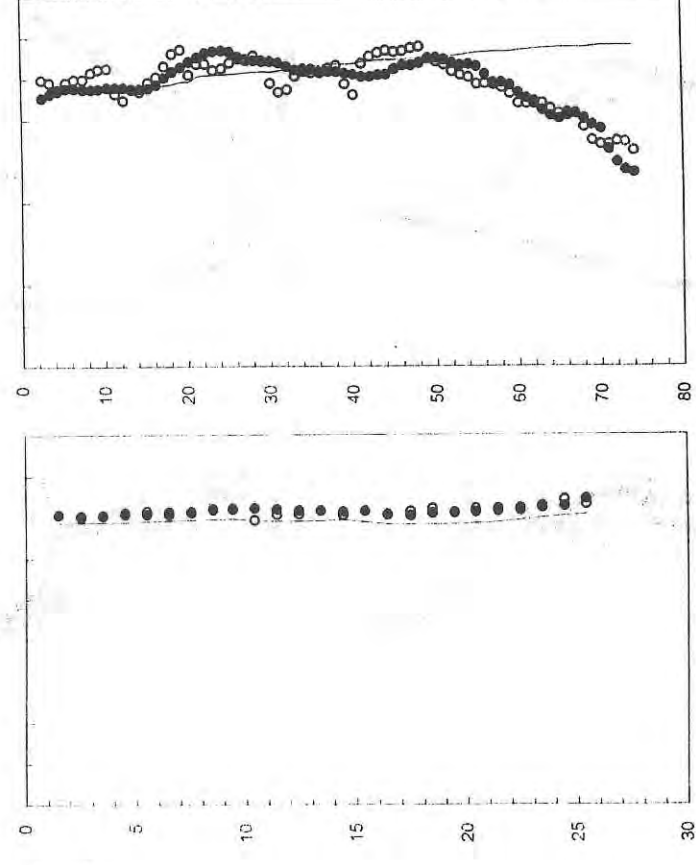
● = Down-cast ○ = Up-cast ---- = Oxygen Saturation



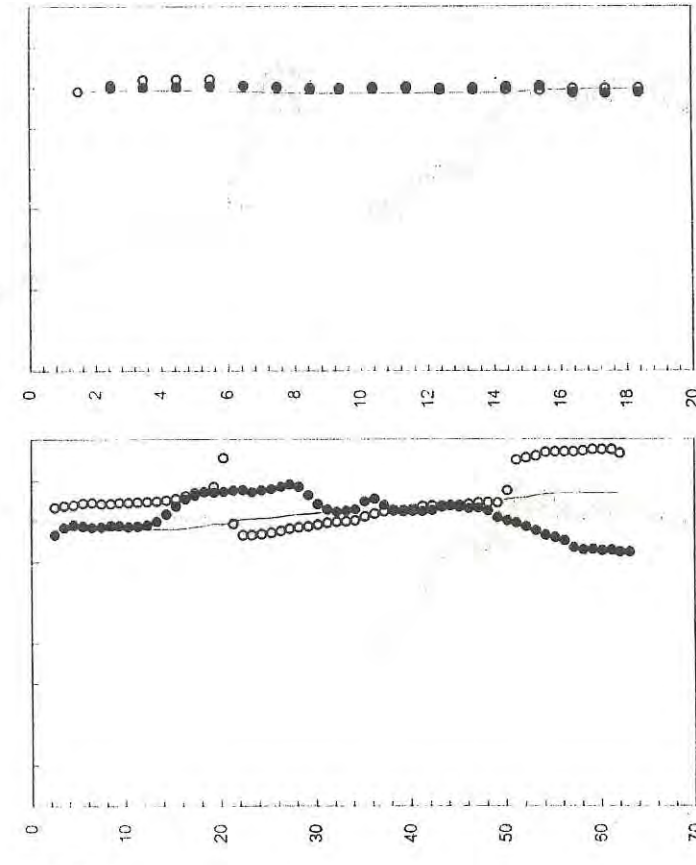
Station 047
 ● = Down-cast ○ = Up-cast
 ----- = Oxygen Saturation



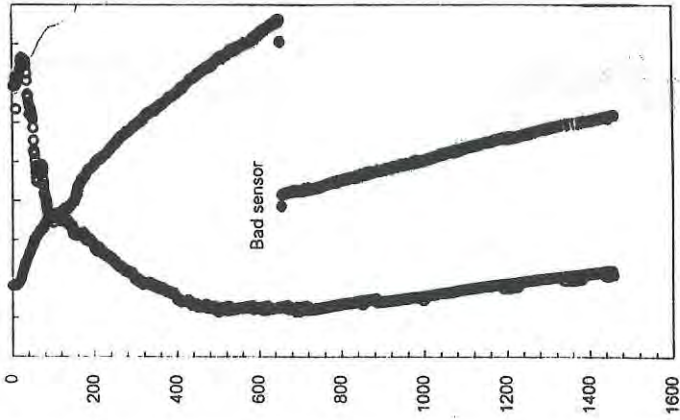
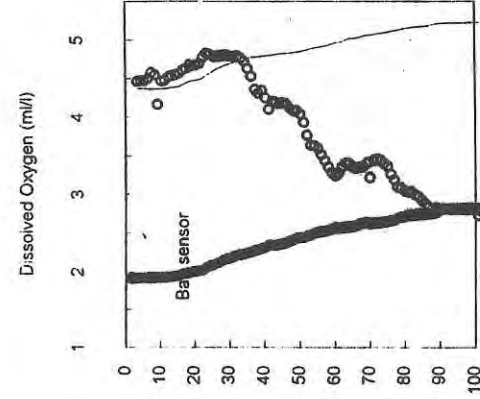
Station 046
 ● = Down-cast ○ = Up-cast
 ----- = Oxygen Saturation



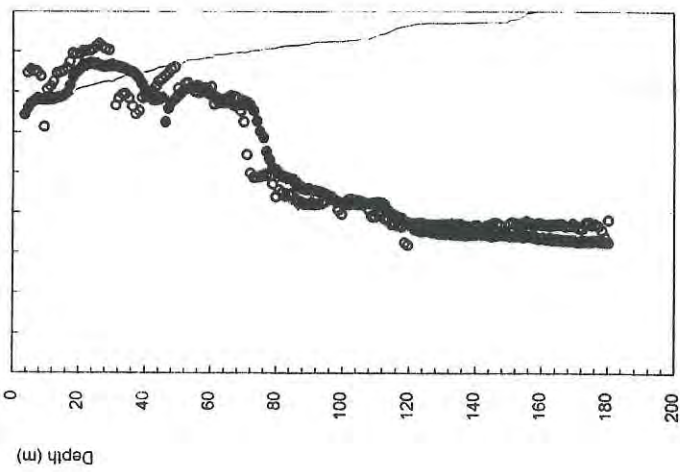
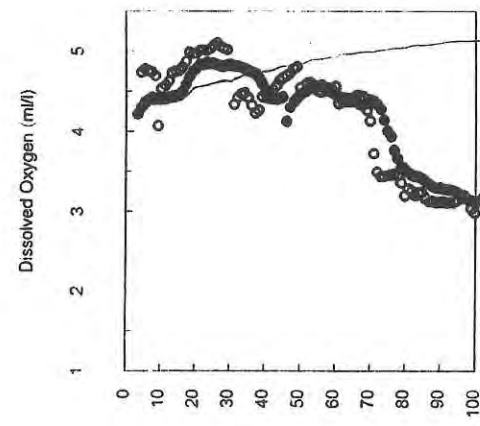
Station 048
 ● = Down-cast ○ = Up-cast
 ----- = Oxygen Saturation



Station 045
 ● = Down-cast ○ = Up-cast
 ----- = Oxygen Saturation

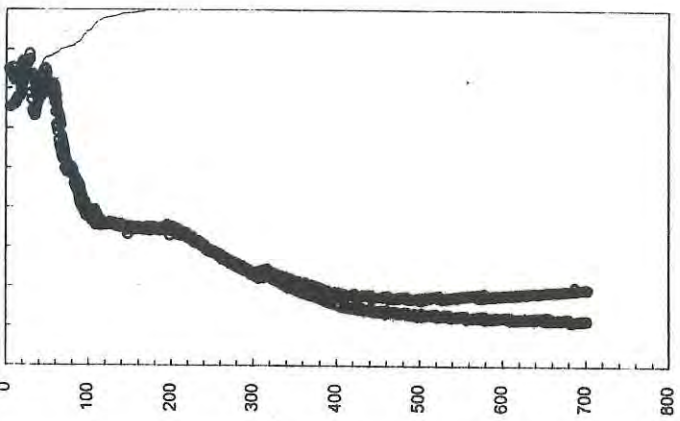
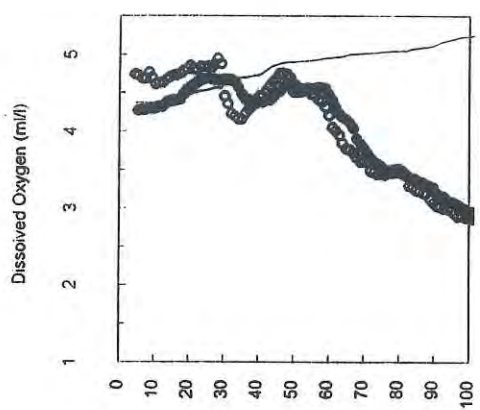


Station 052

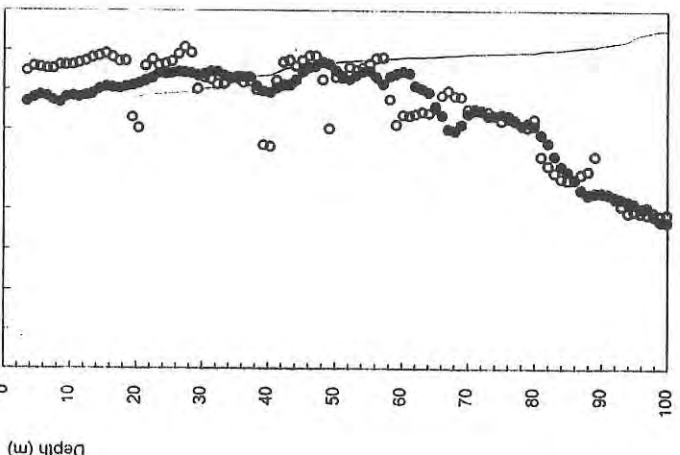
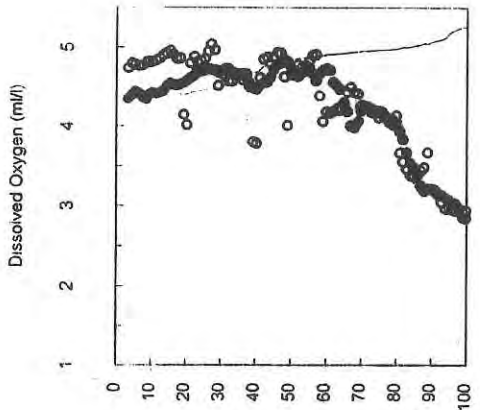


Station 051

● = Down-cast ○ = Up-cast ---- = Oxygen Saturation

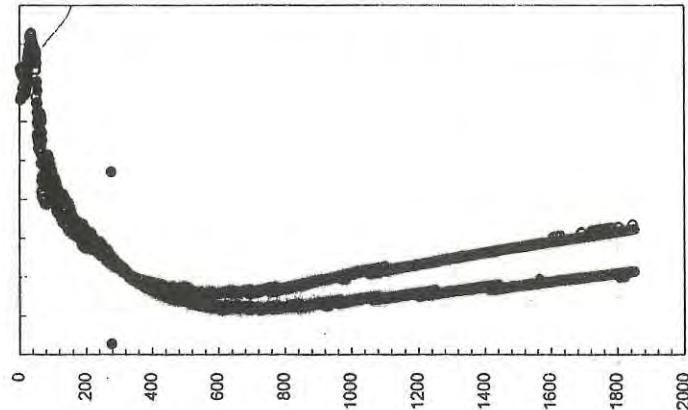
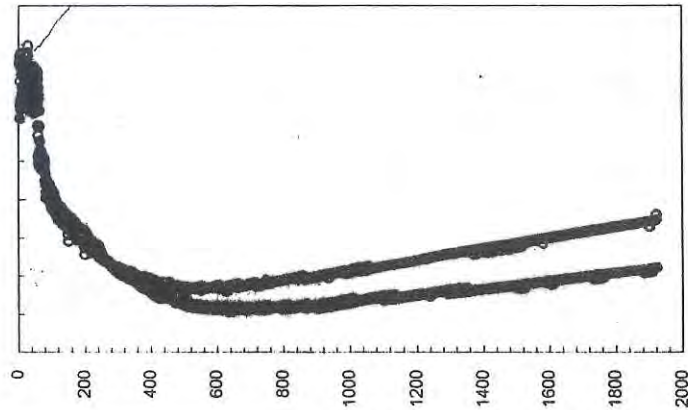
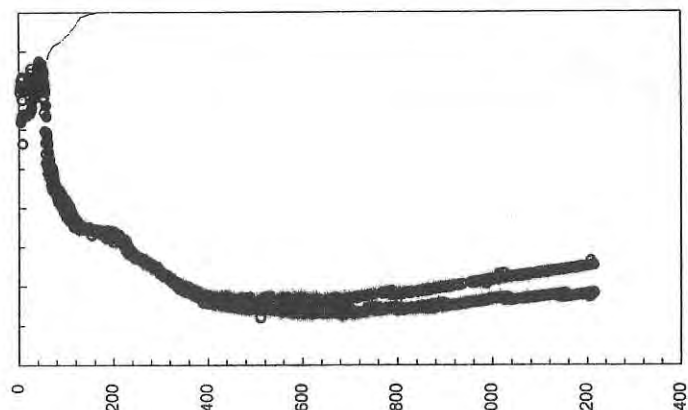
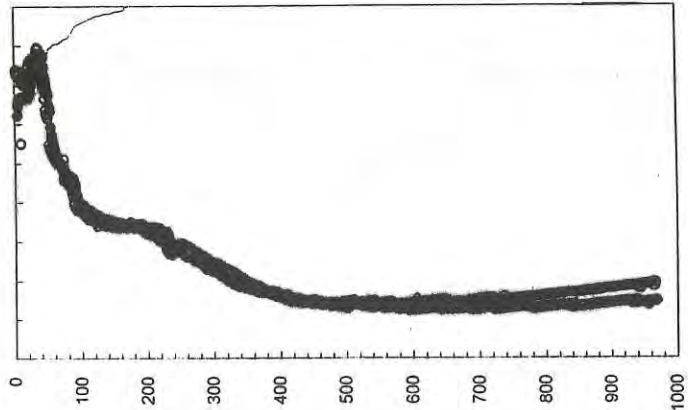
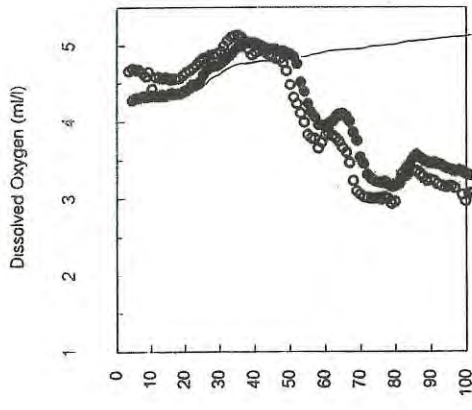
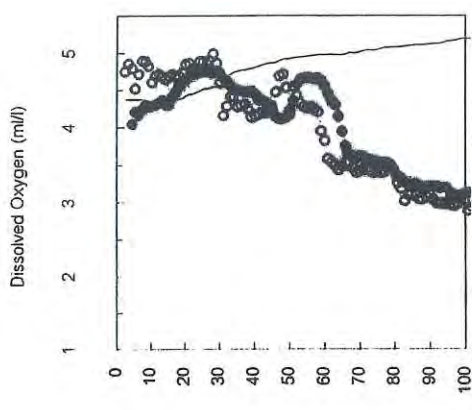
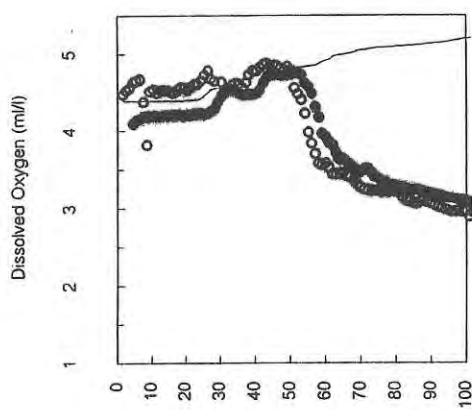
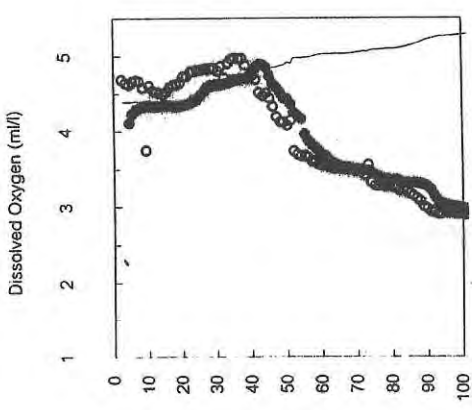


Station 050



Station 049

● = Down-cast ○ = Up-cast ---- = Oxygen Saturation



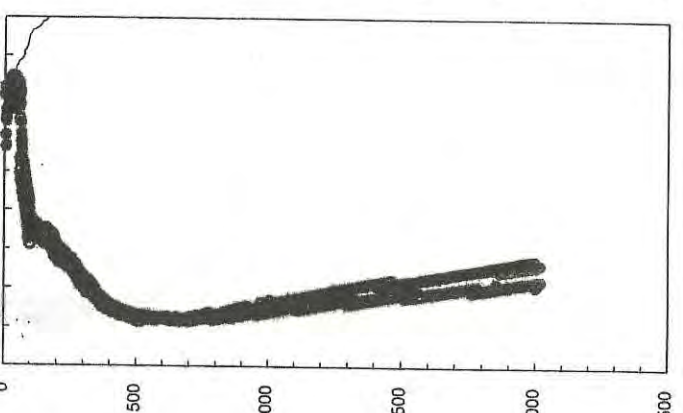
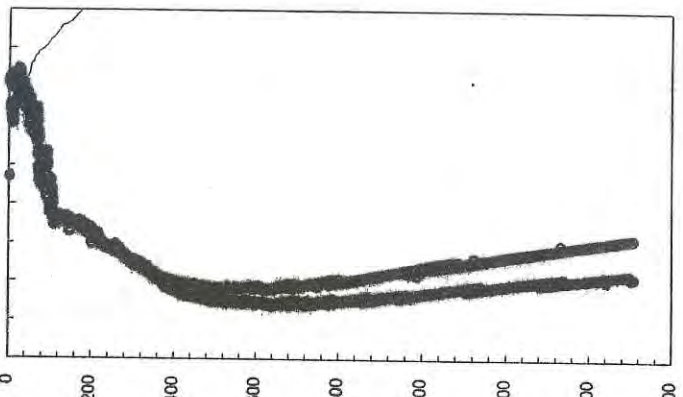
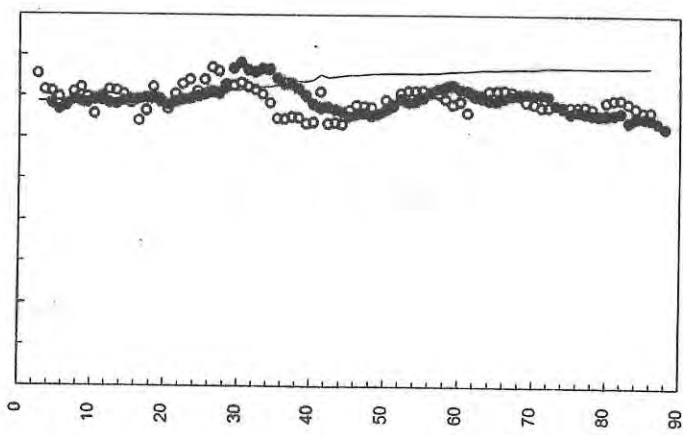
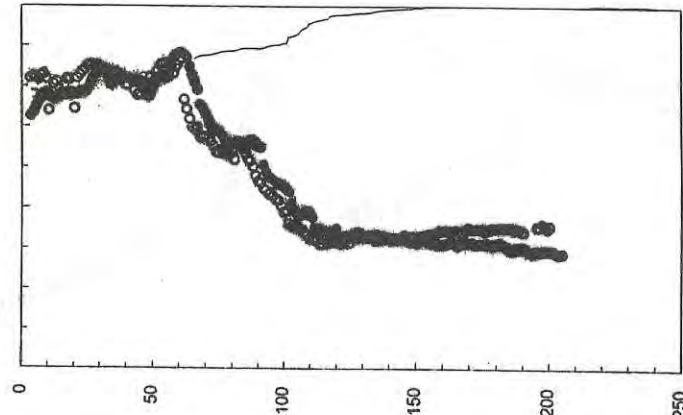
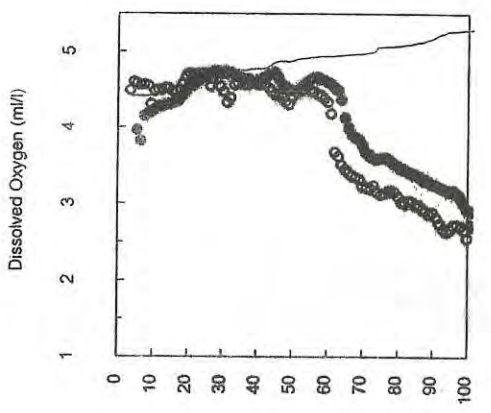
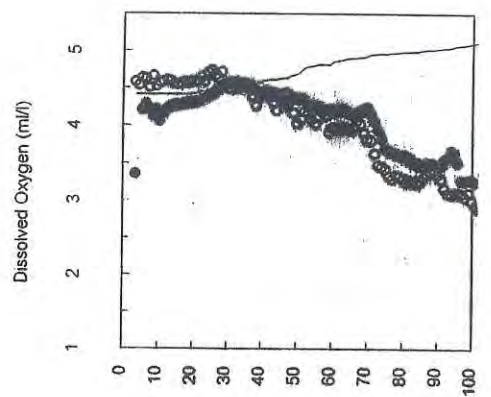
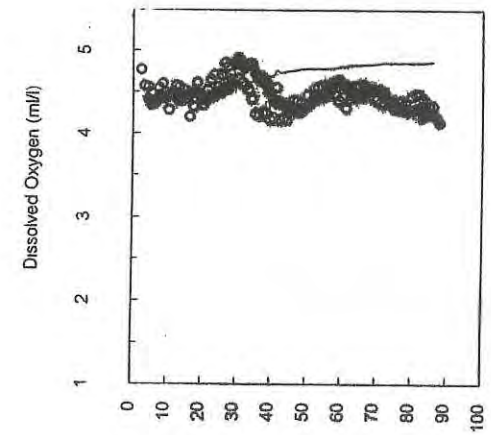
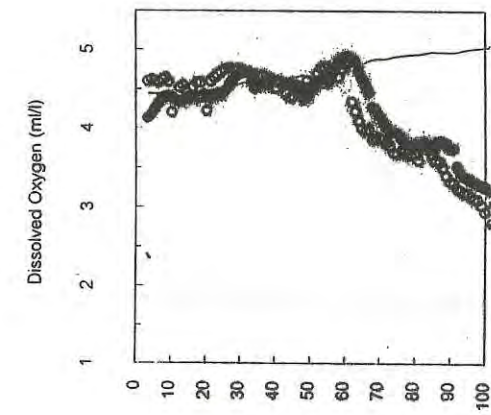
Station 056

Station 055

Station 054

Station 053

● = Down-cast ○ = Up-cast
 ----- = Oxygen Saturation



Station 060

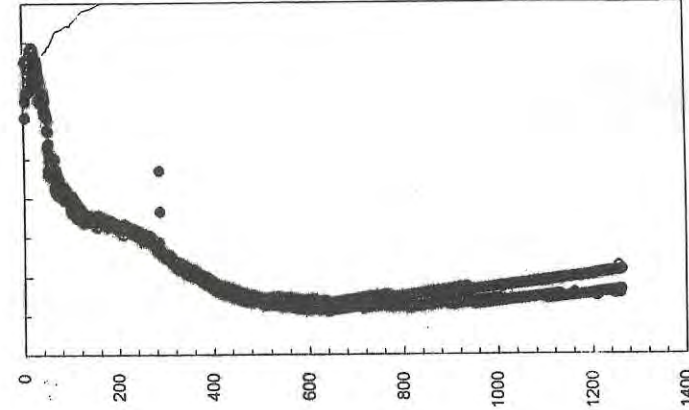
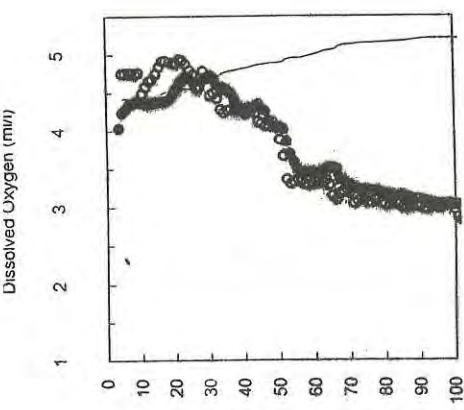
Station 059

Station 058

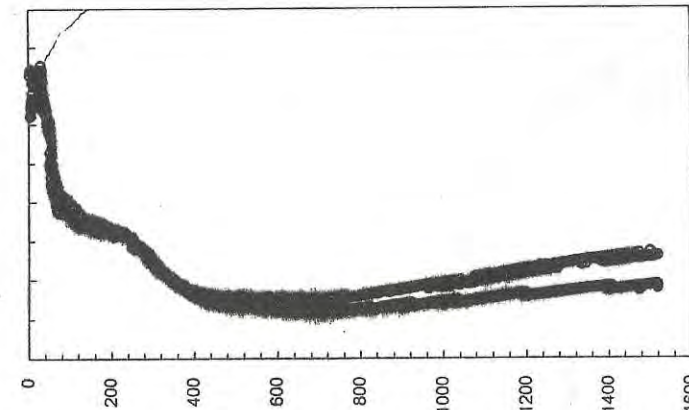
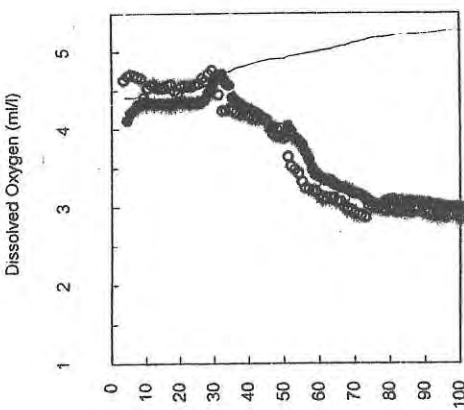
Station 057

● = Down-cast ○ = Up-cast
 ---- = Oxygen Saturation

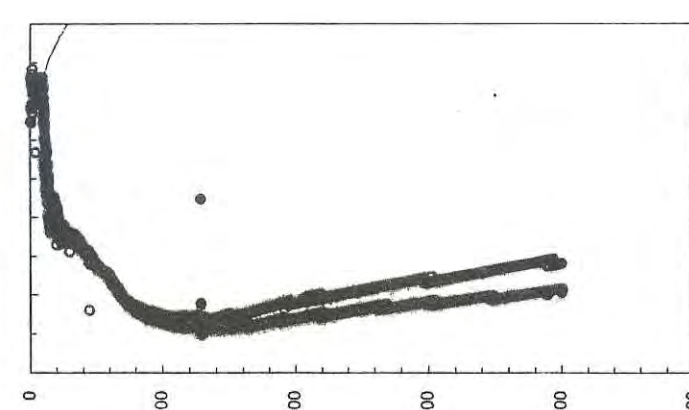
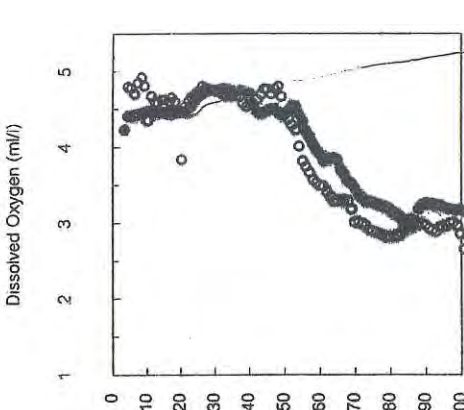
● = Down-cast ○ = Up-cast
 ---- = Oxygen Saturation



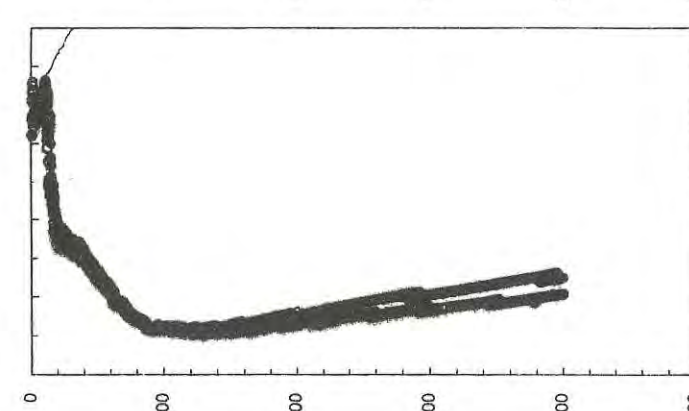
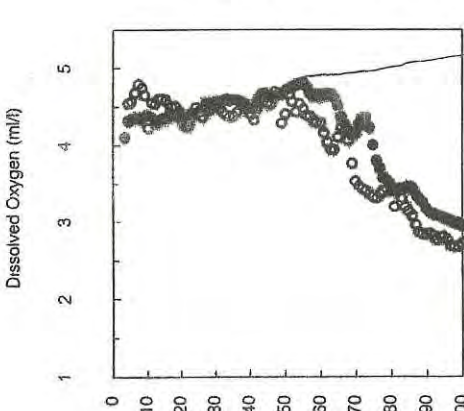
Station 064



Station 063

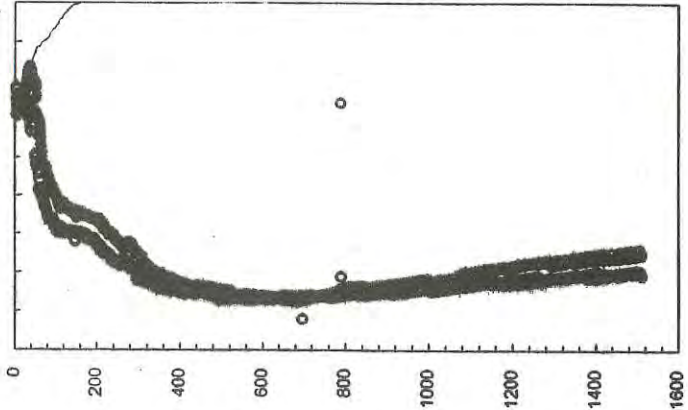
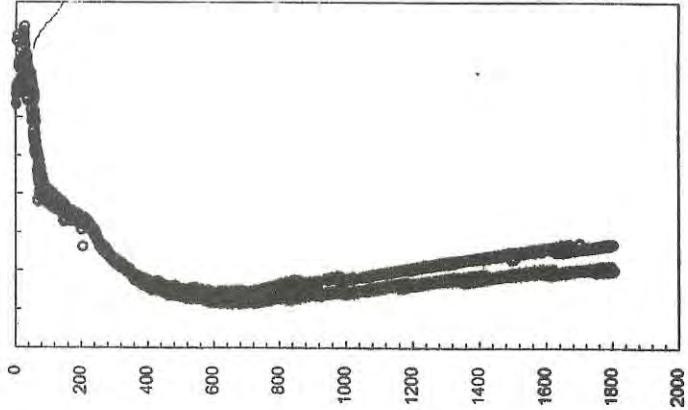
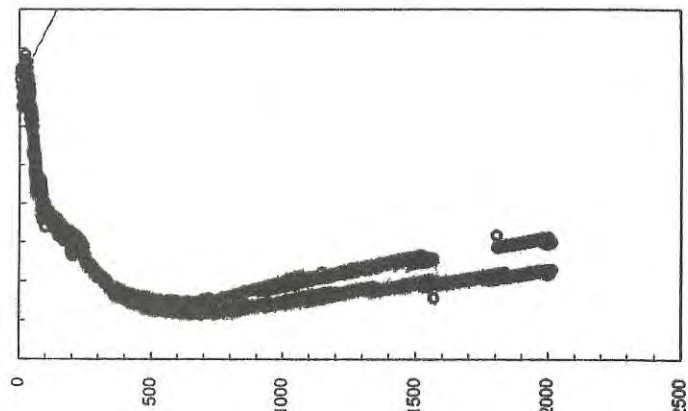
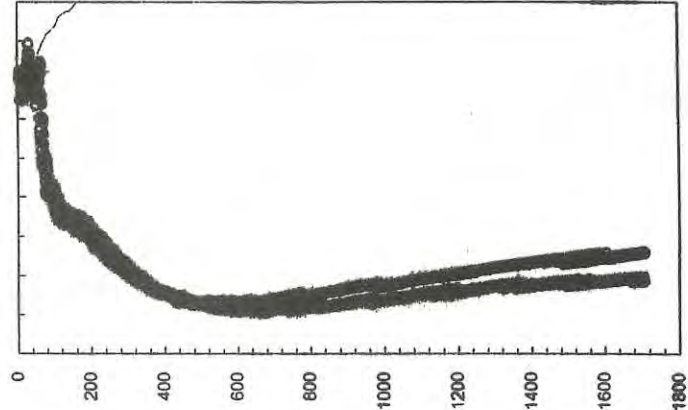
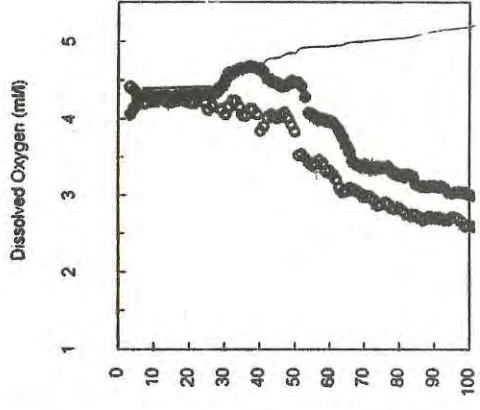
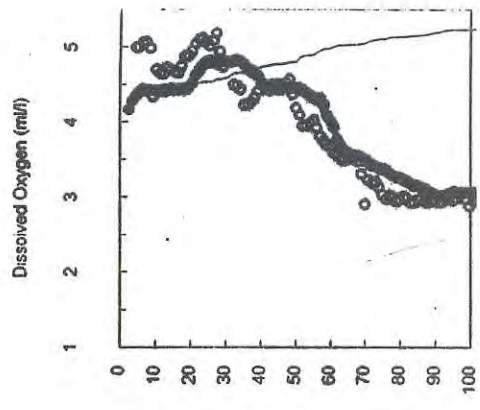
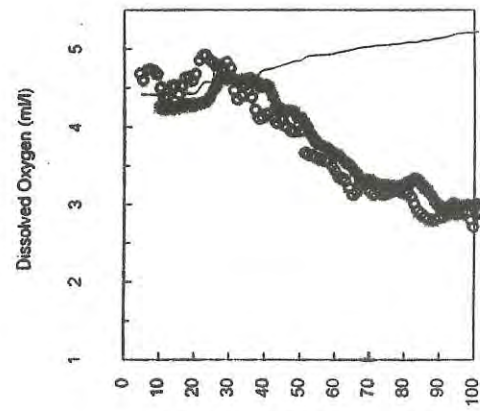
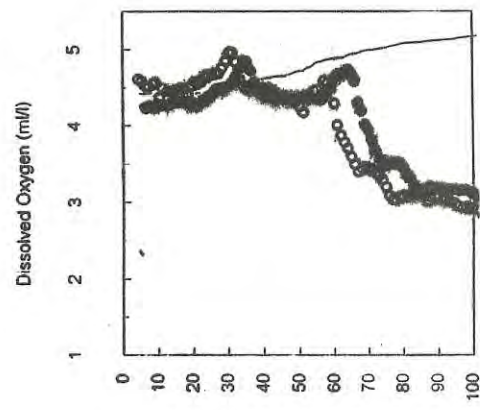


Station 062



Station 061

● = Down-cast ○ = Up-cast ---- = Oxygen Saturation



Station 068

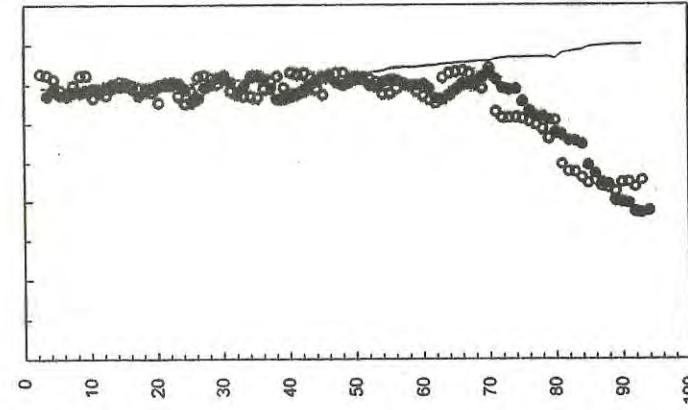
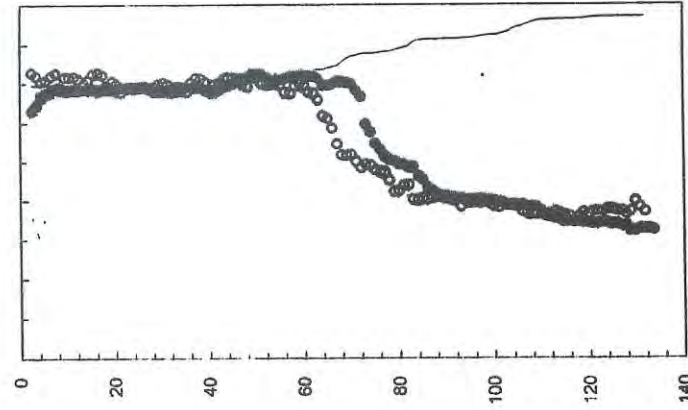
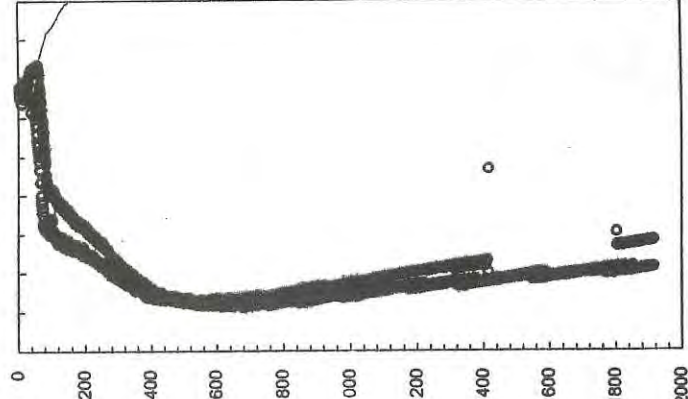
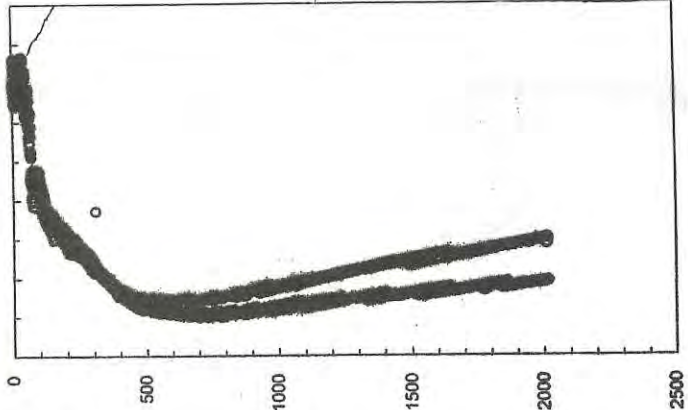
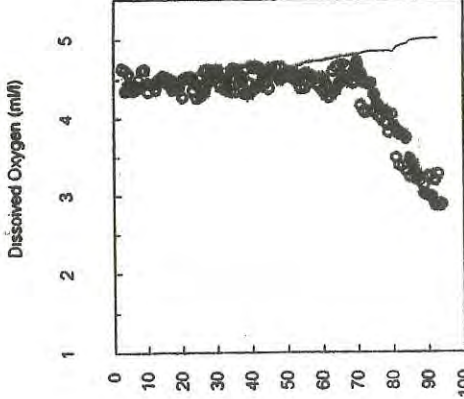
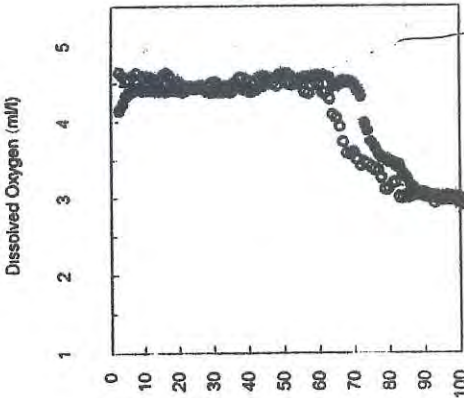
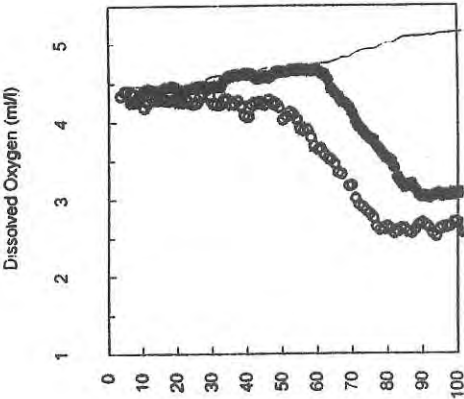
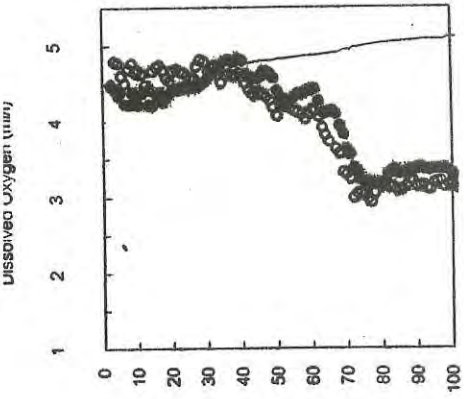
Station 067

Station 066

Station 065

● = Down-cast ○ = Up-cast ---- = Oxygen Saturation

● = Down-cast ○ = Up-cast ---- = Oxygen Saturation



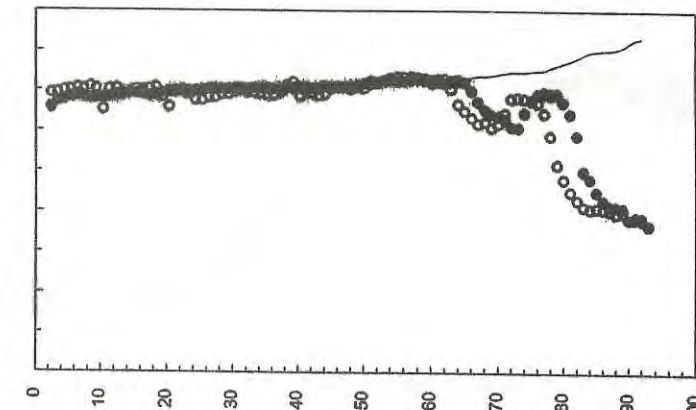
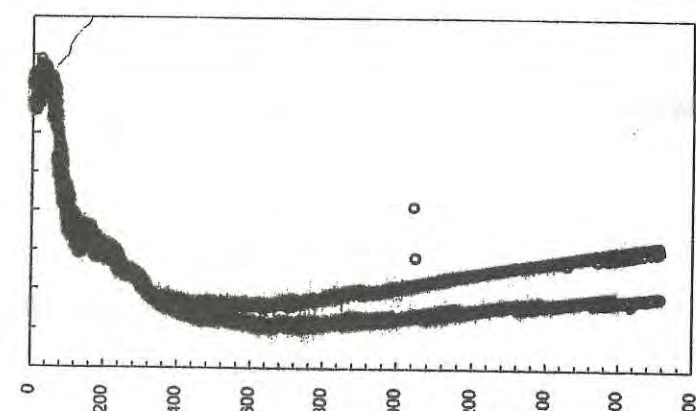
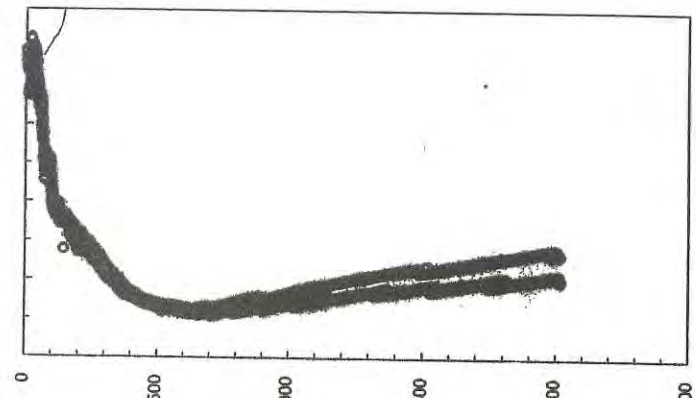
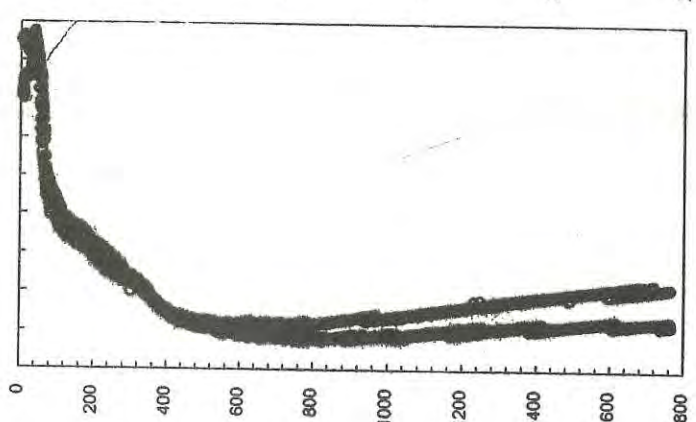
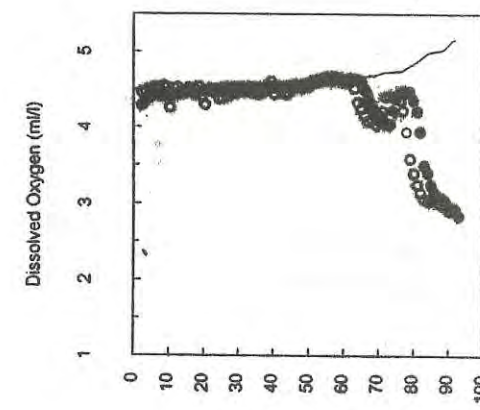
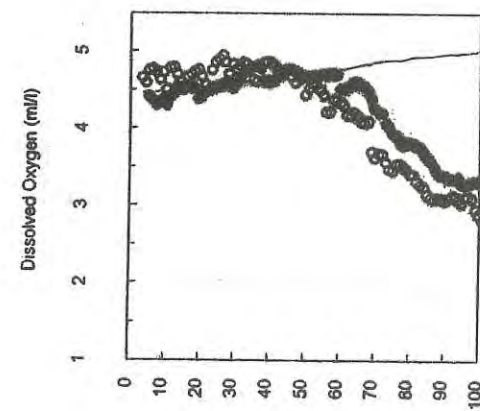
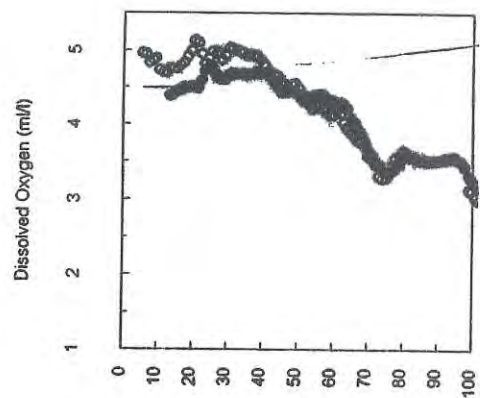
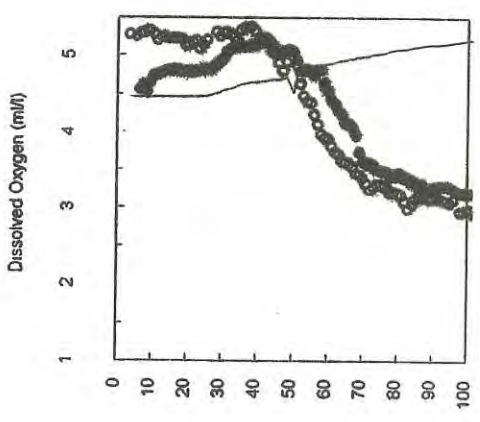
Station 072

Station 071

Station 070

Station 069

● = Down-cast ○ = Up-cast ---- = Oxygen Saturation



Station 073

Station 074

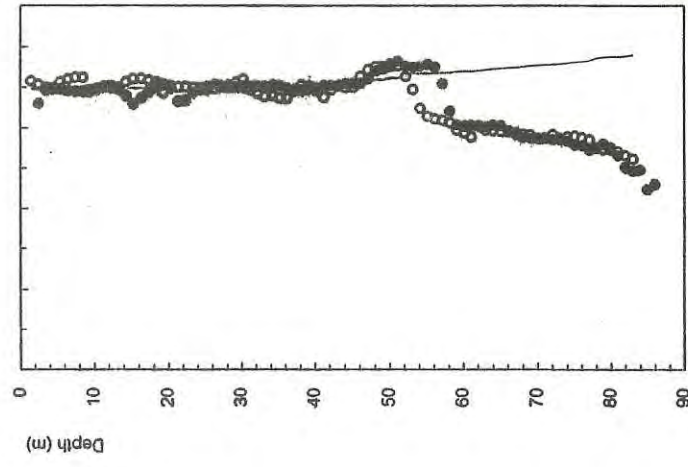
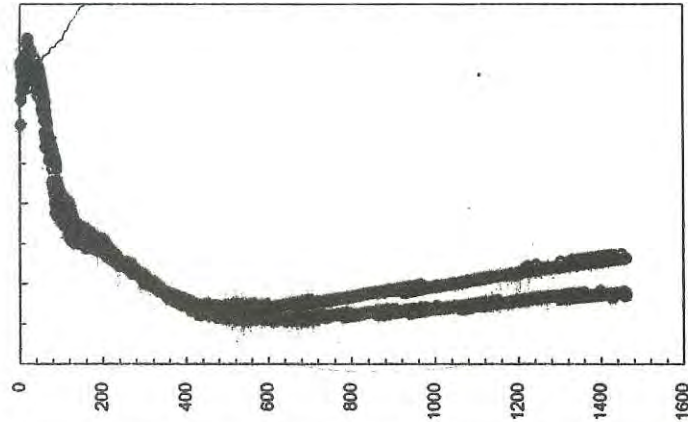
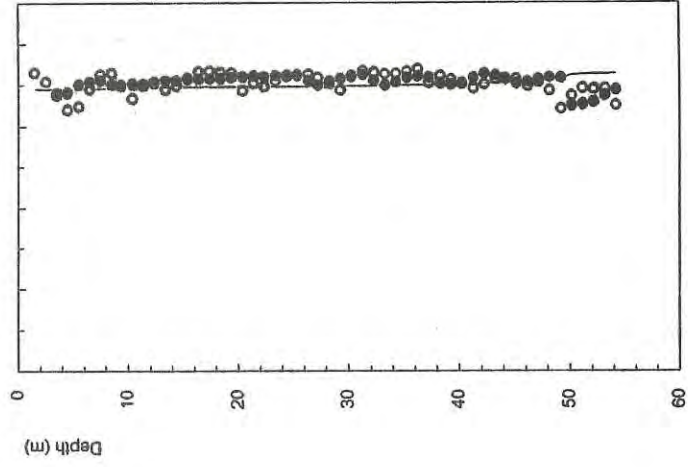
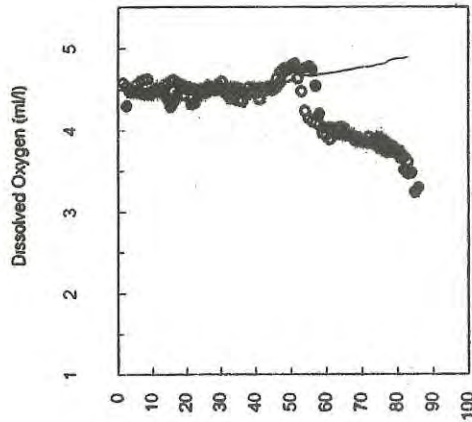
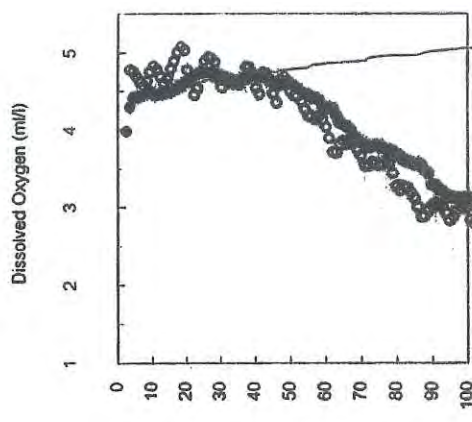
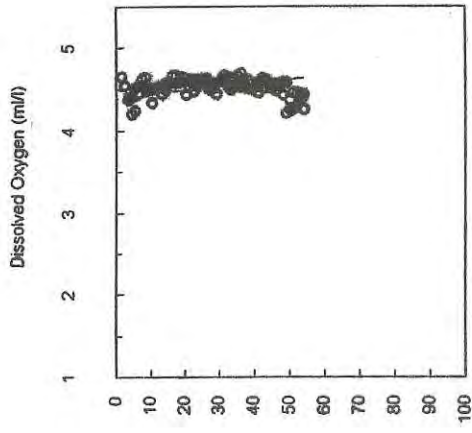
Station 075

Station 076

● = Down-cast ○ = Up-cast

----- = Oxygen Saturation

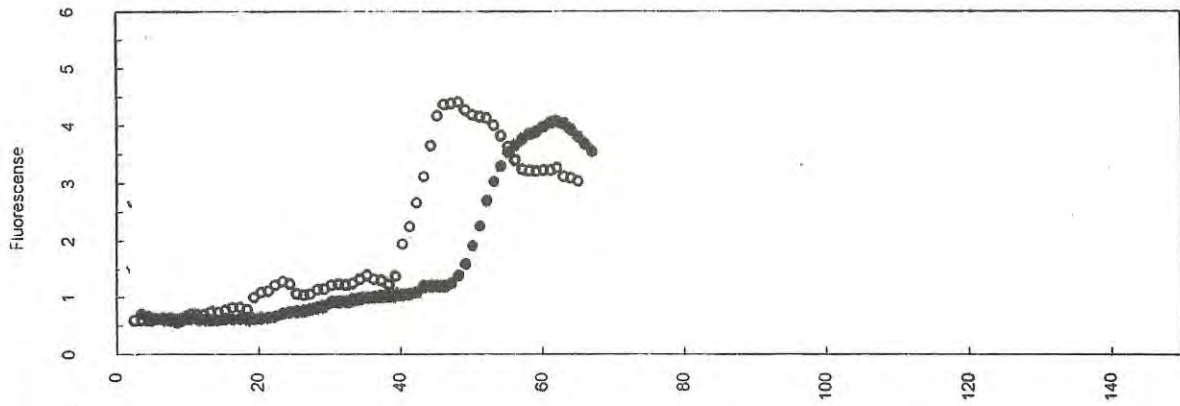
----- = Oxygen Saturation



Station 079
 ● = Down-cast ○ = Up-cast ----- = Oxygen Saturation

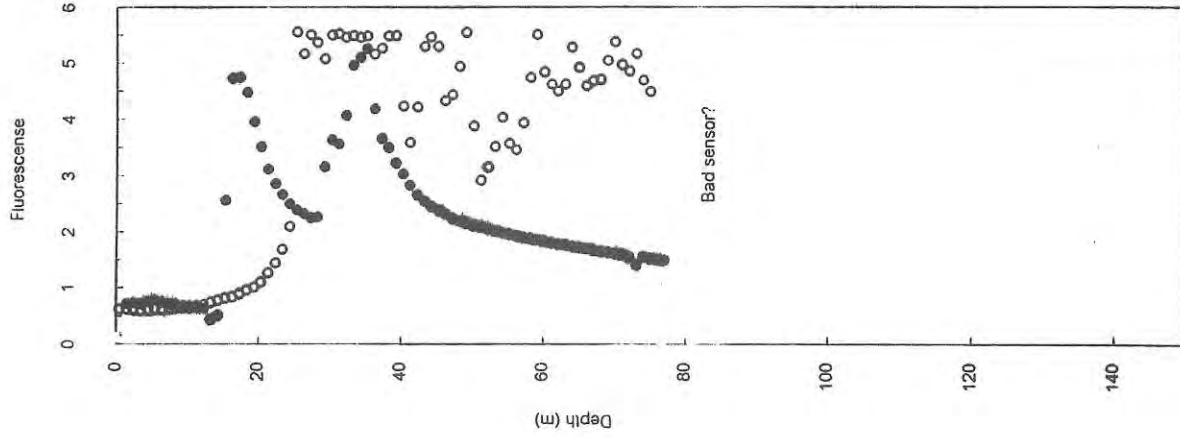
Station 078
 ● = Down-cast ○ = Up-cast ----- = Oxygen Saturation

Station 077
 ● = Down-cast ○ = Up-cast ----- = Oxygen Saturation



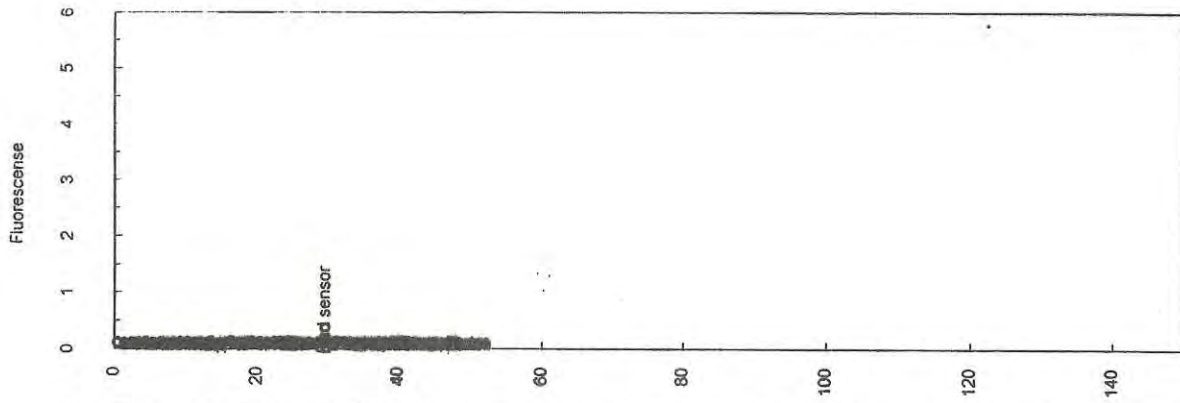
Station 004

o = Up-cast



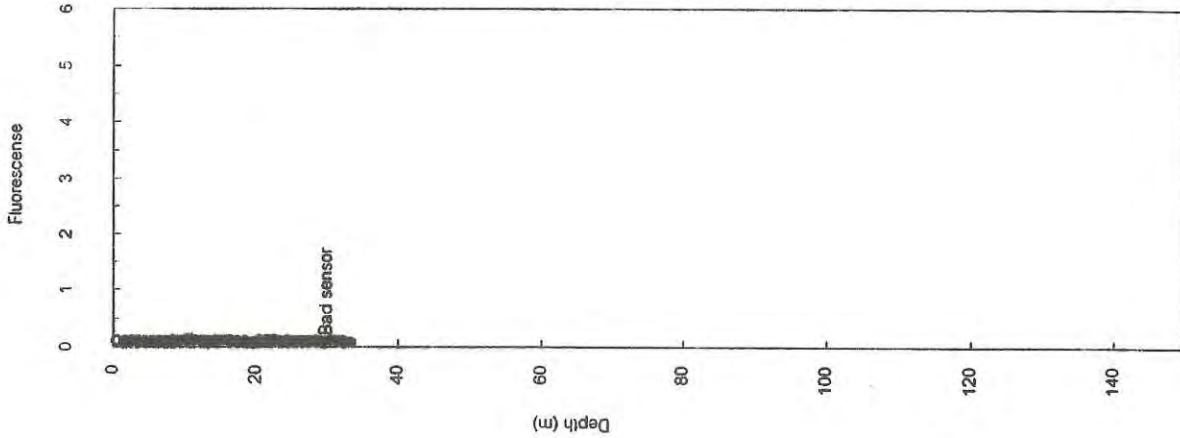
Station 003

● = Down-cast



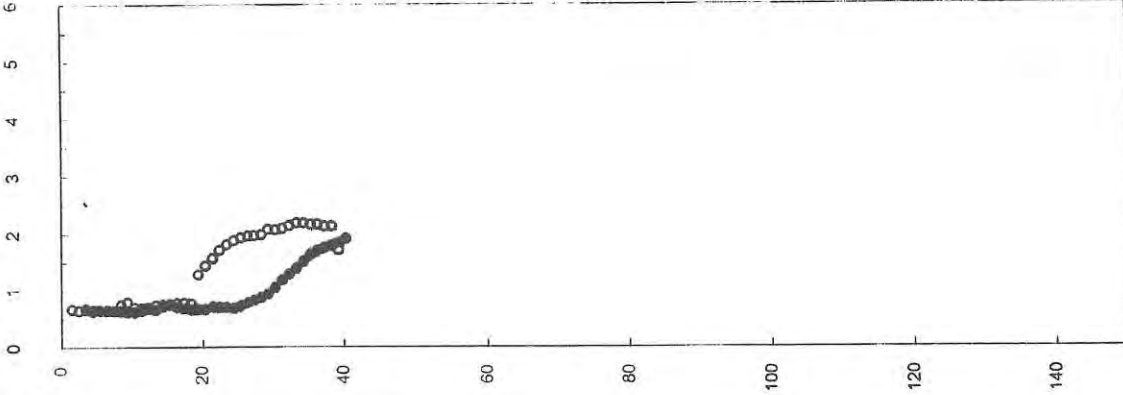
Station 002

o = Up-cast



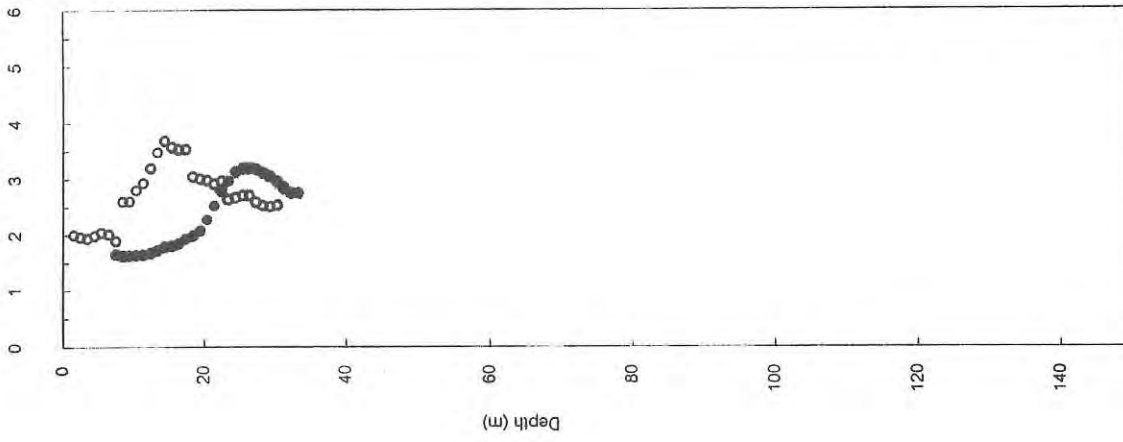
Station 001

● = Down-cast



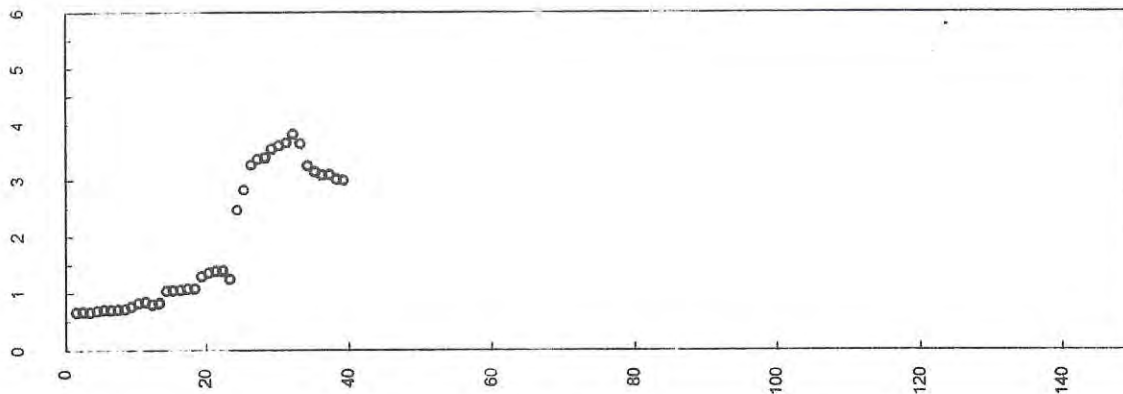
Station 008

o = Up-cast



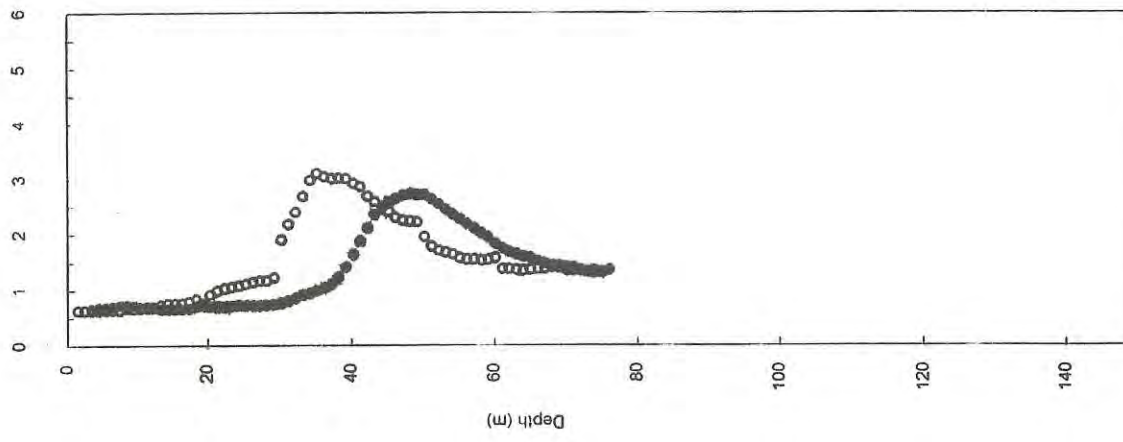
Station 007

● = Down-cast



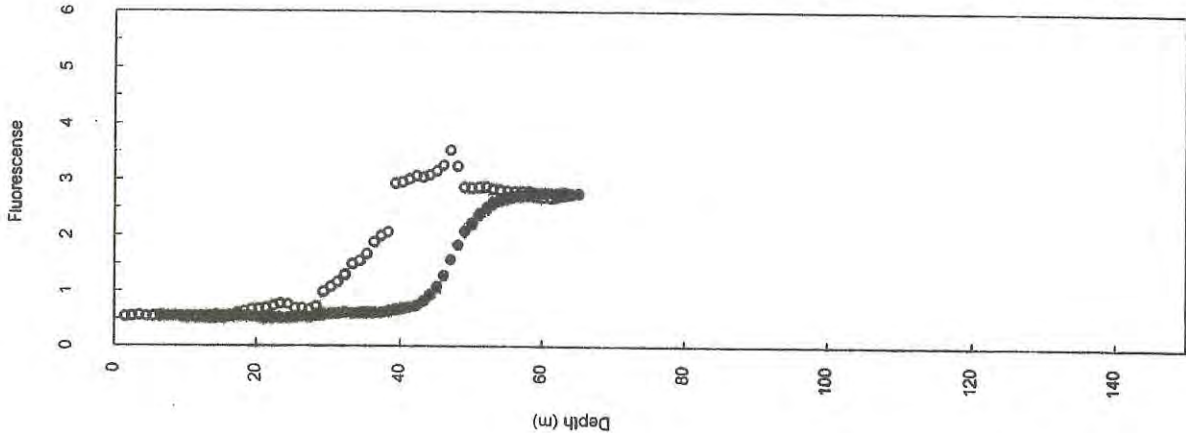
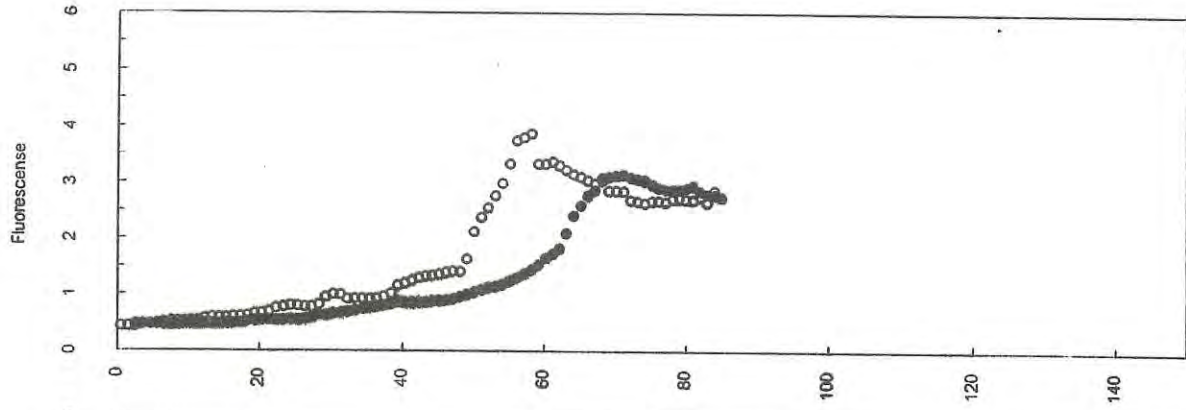
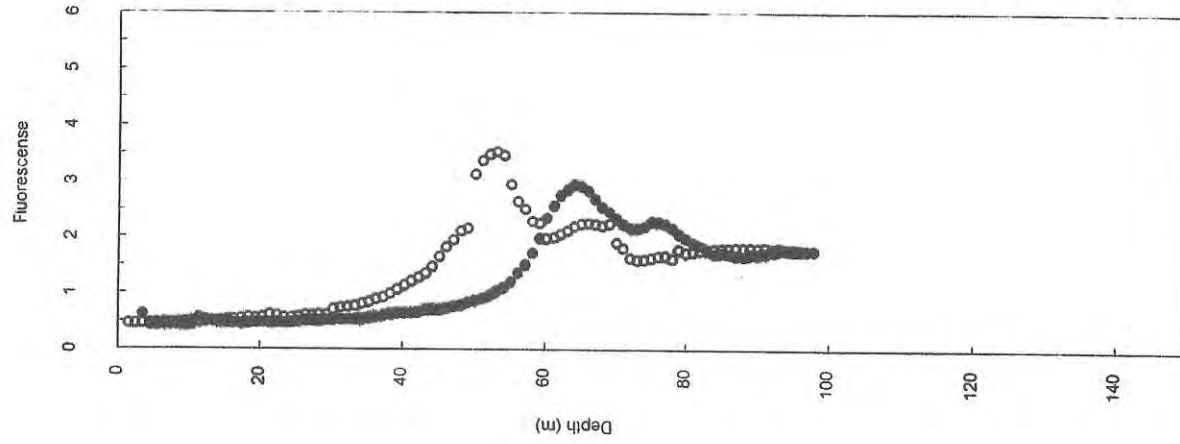
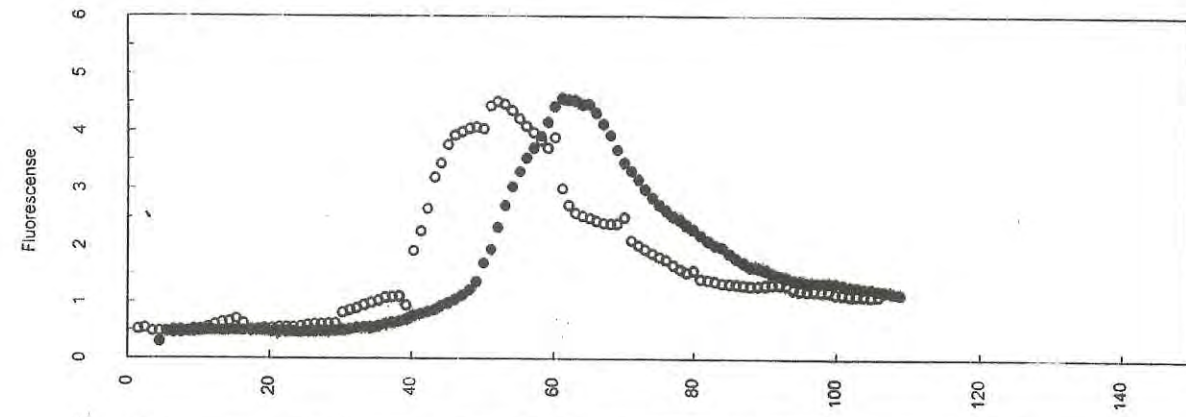
Station 006

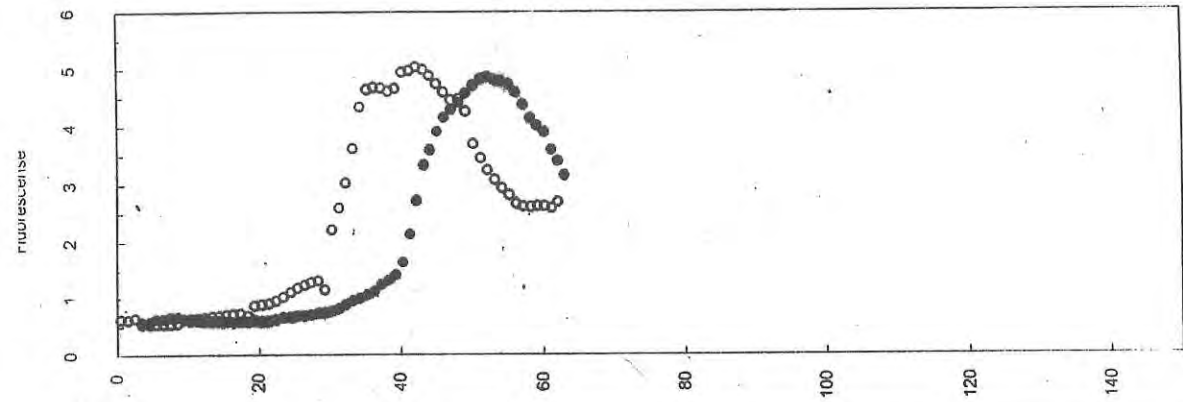
o = Up-cast



Station 005

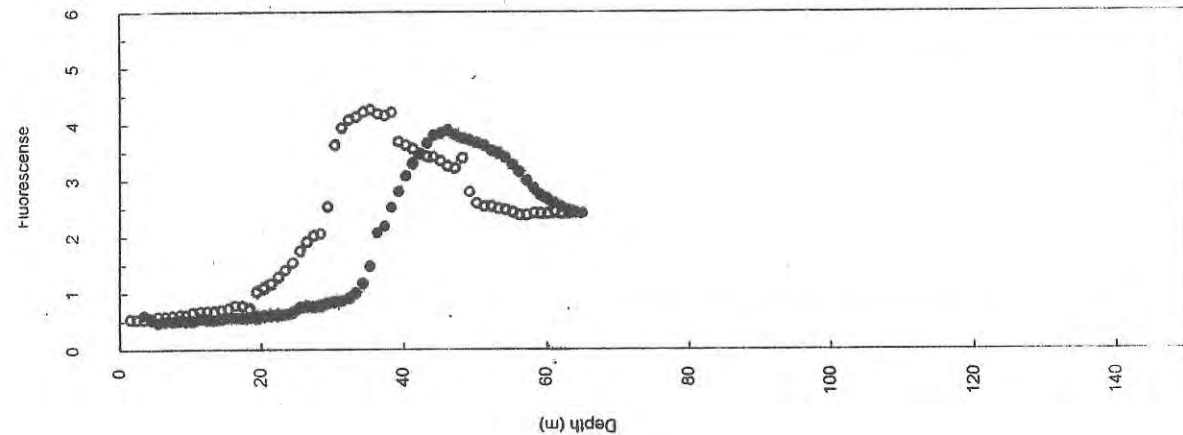
● = Down-cast





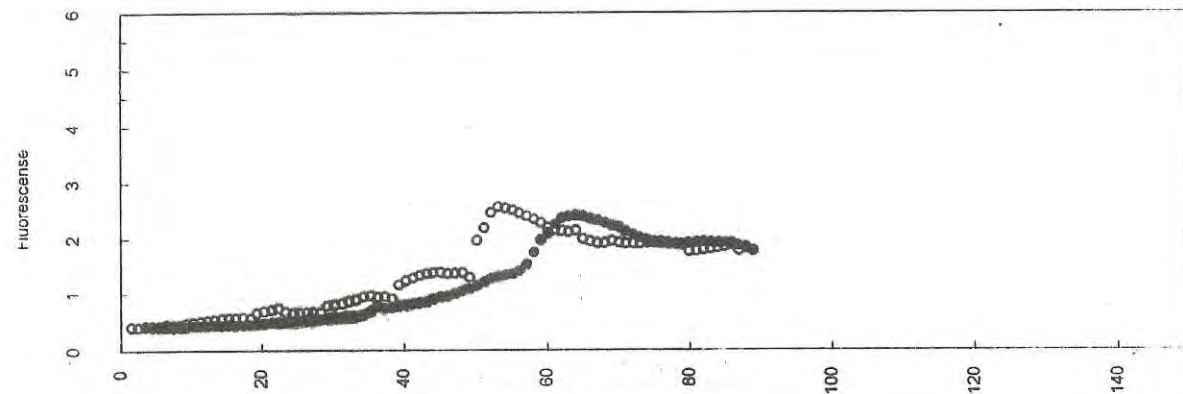
Station 016

o = Up-cast



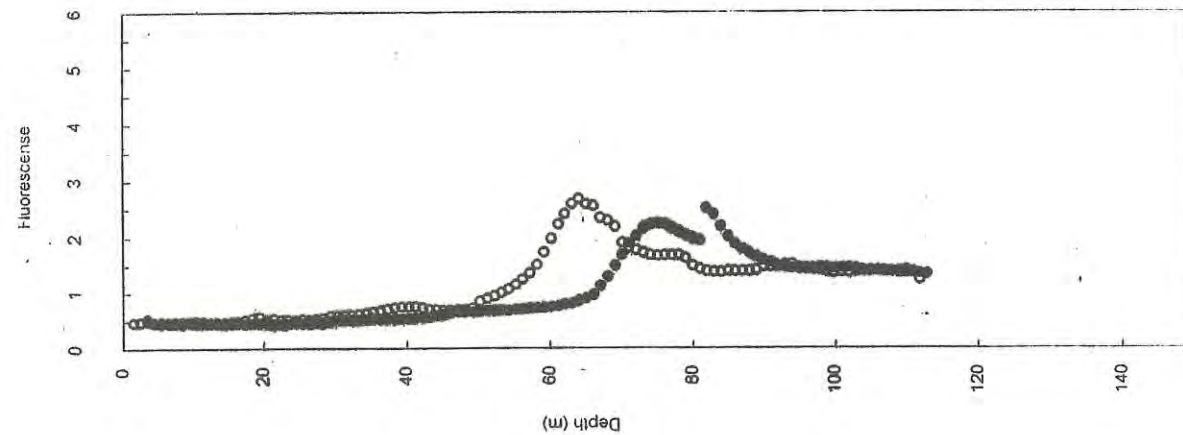
Station 015

● = Down-cast



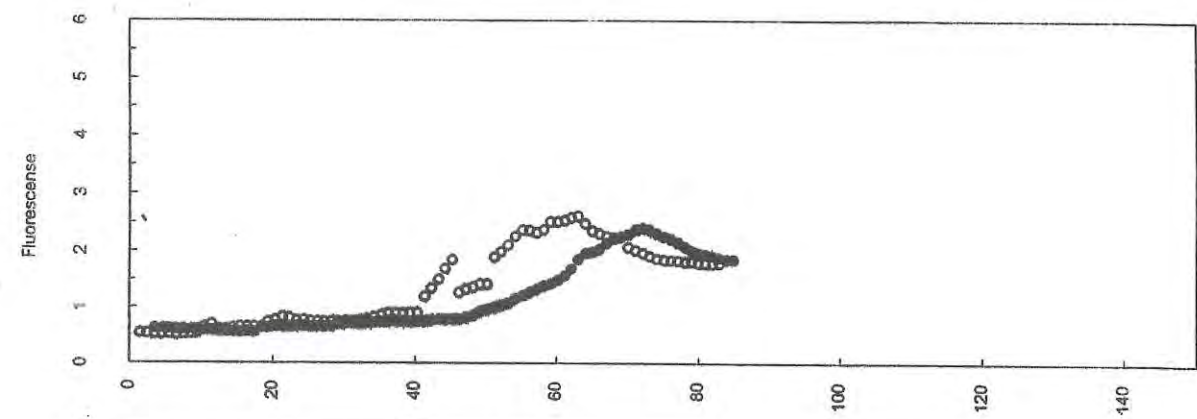
Station 014

o = Up-cast



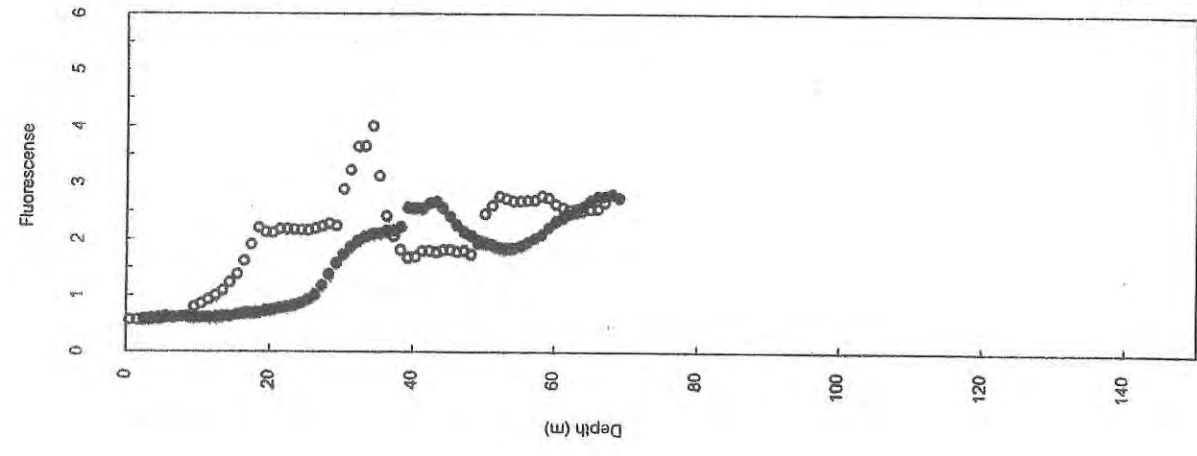
Station 013

● = Down-cast



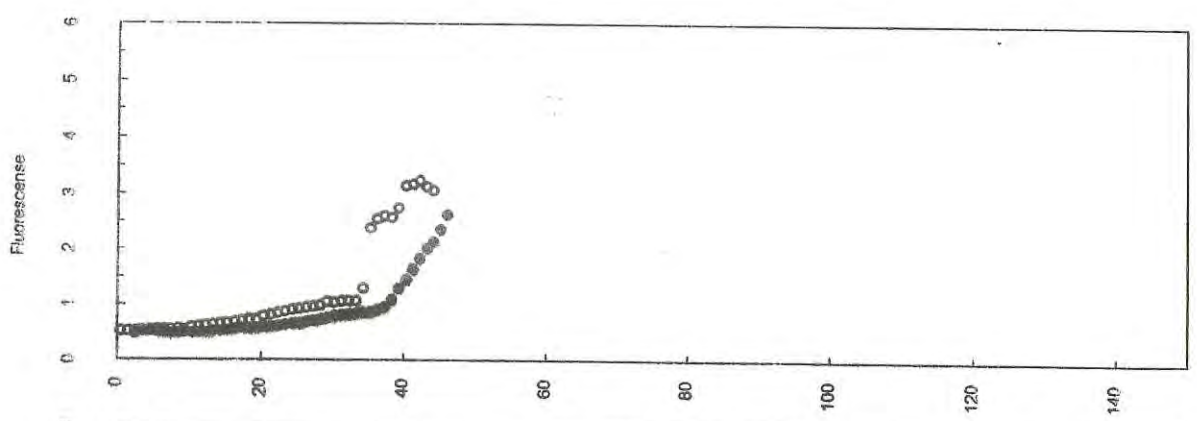
Station 020

o = Up-cast



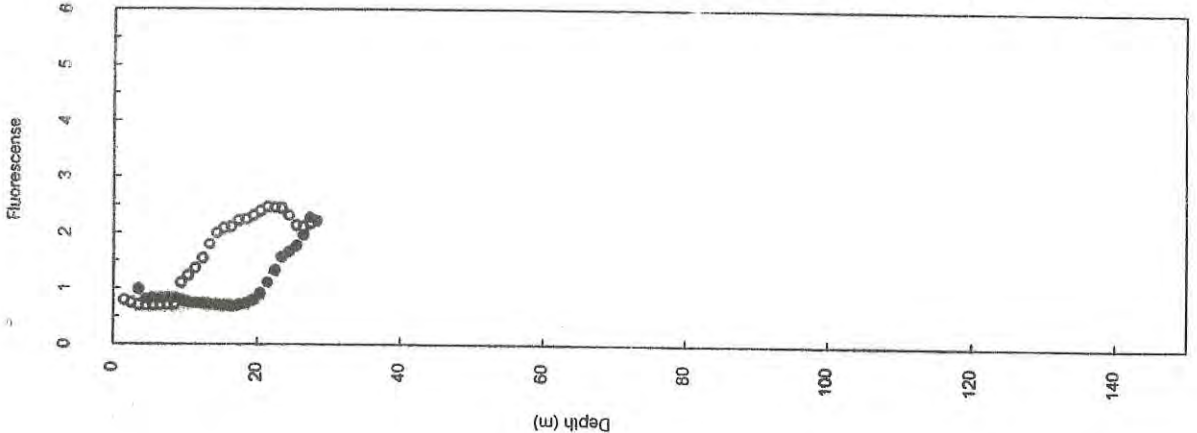
Station 019

● = Down-cast



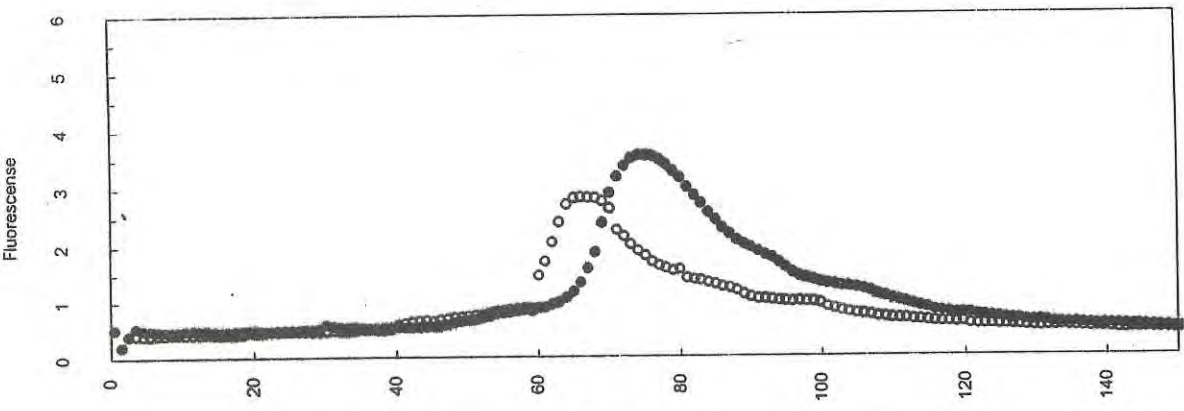
Station 018

o = Up-cast

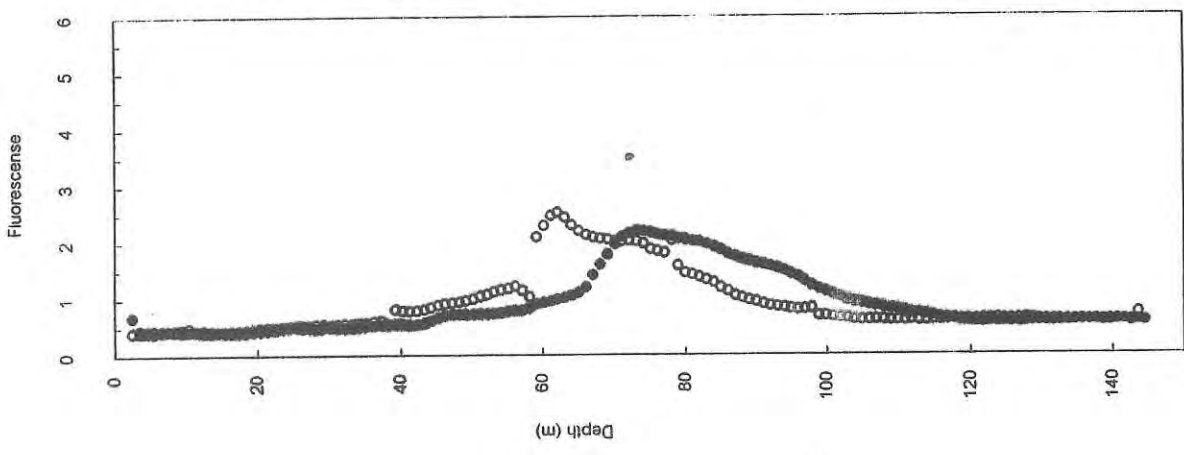


Station 017

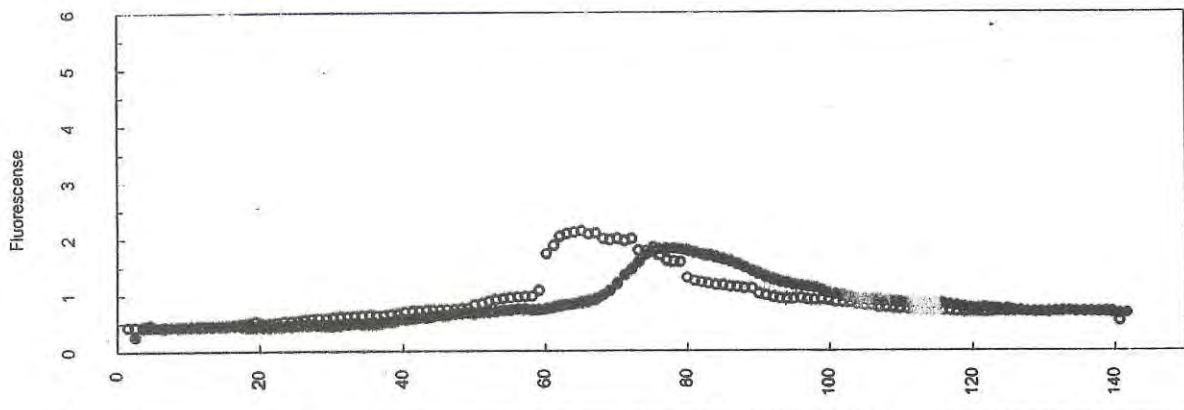
● = Down-cast



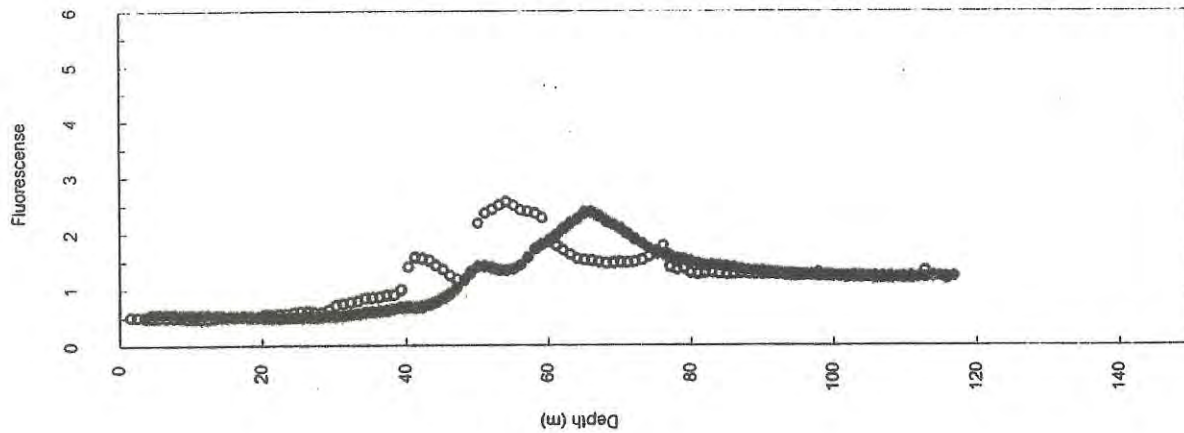
Station 024
o = Up-cast



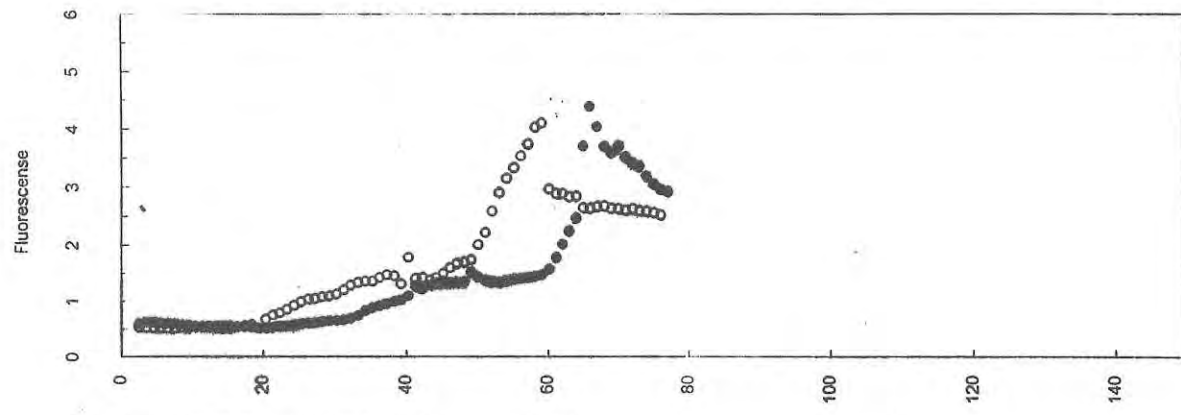
Station 023
● = Down-cast



Station 022
o = Up-cast

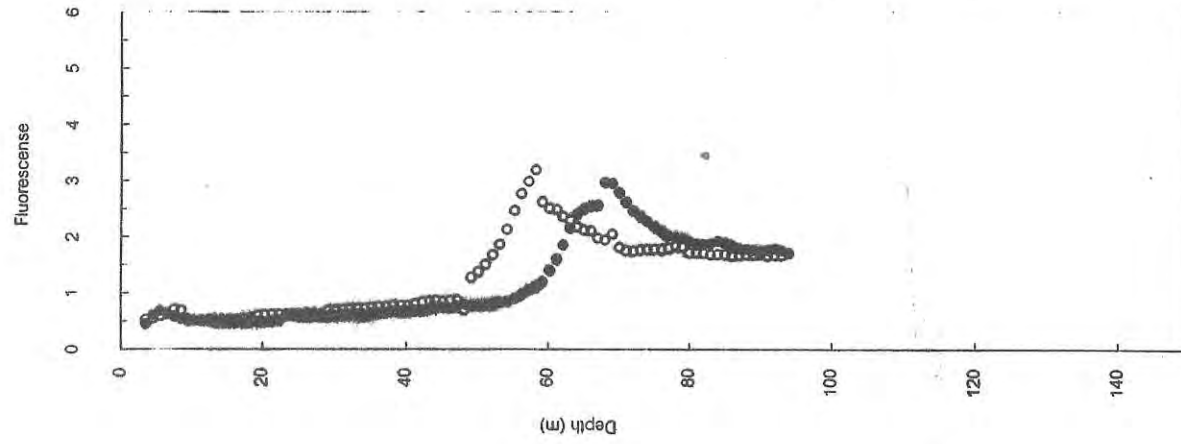


Station 021
● = Down-cast



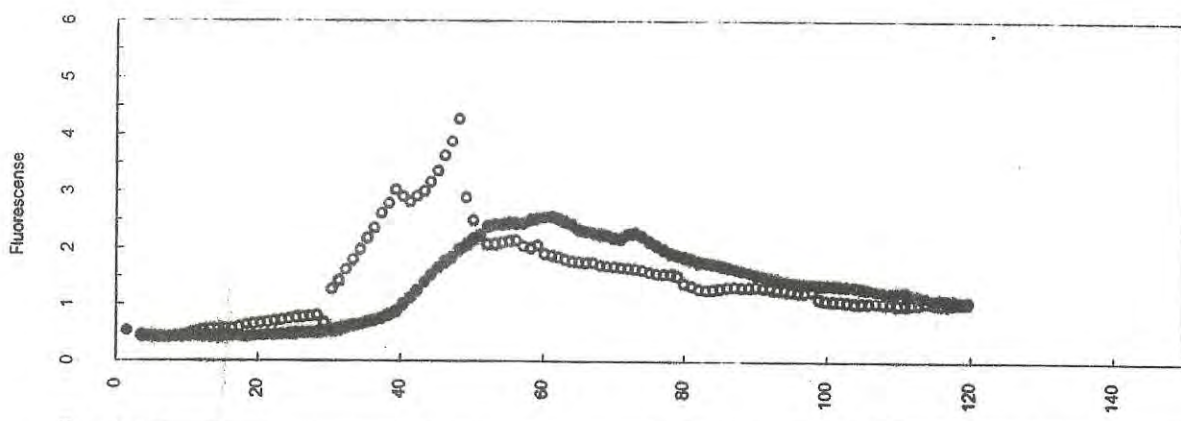
Station 028

o = Up-cast



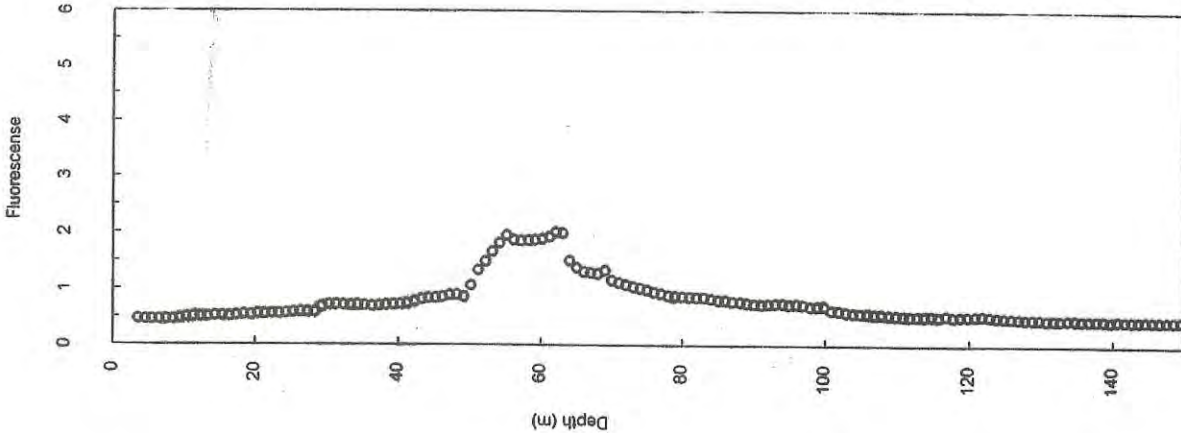
Station 027

● = Down-cast



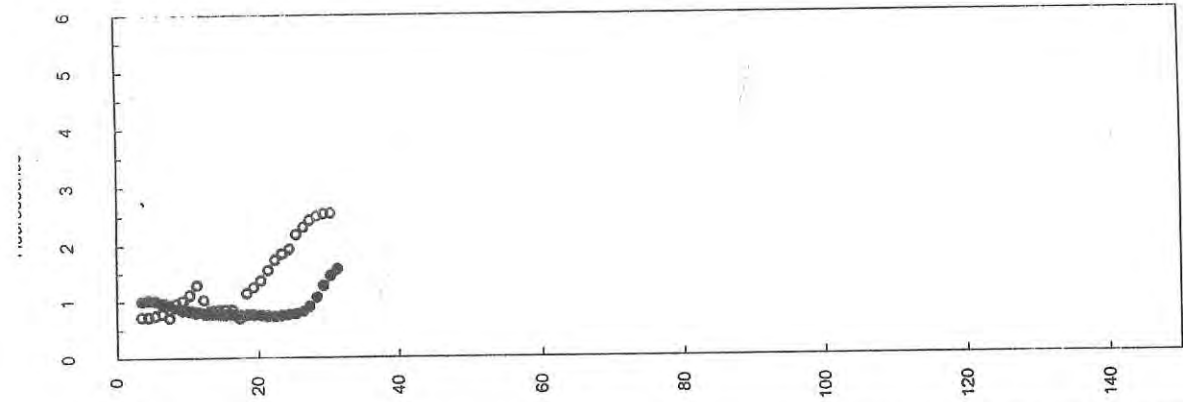
Station 026

o = Up-cast



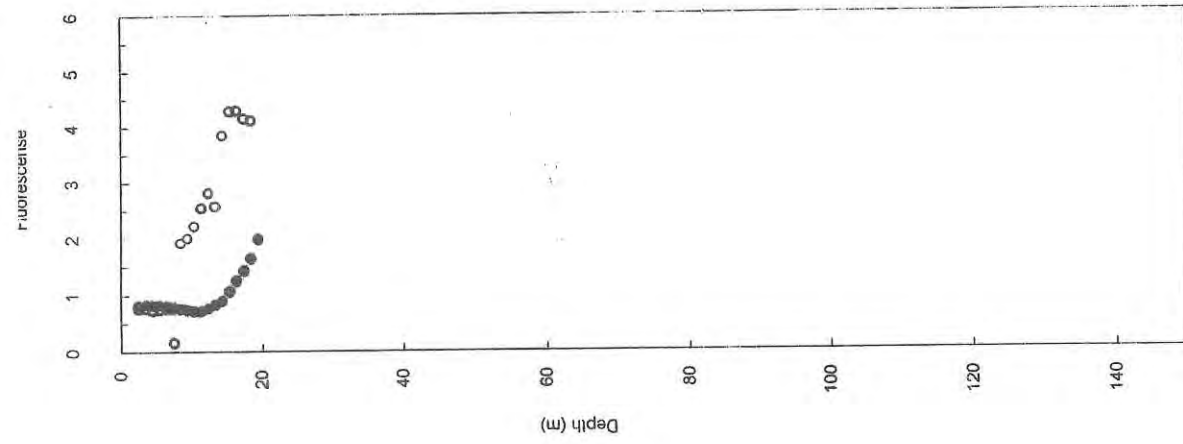
Station 025

● = Down-cast



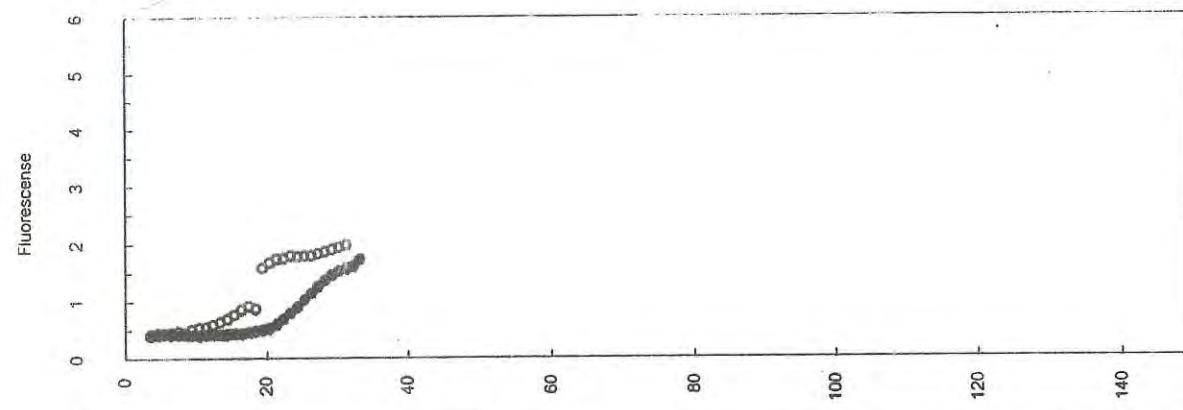
Station 032

● = Down-cast
○ = Up-cast



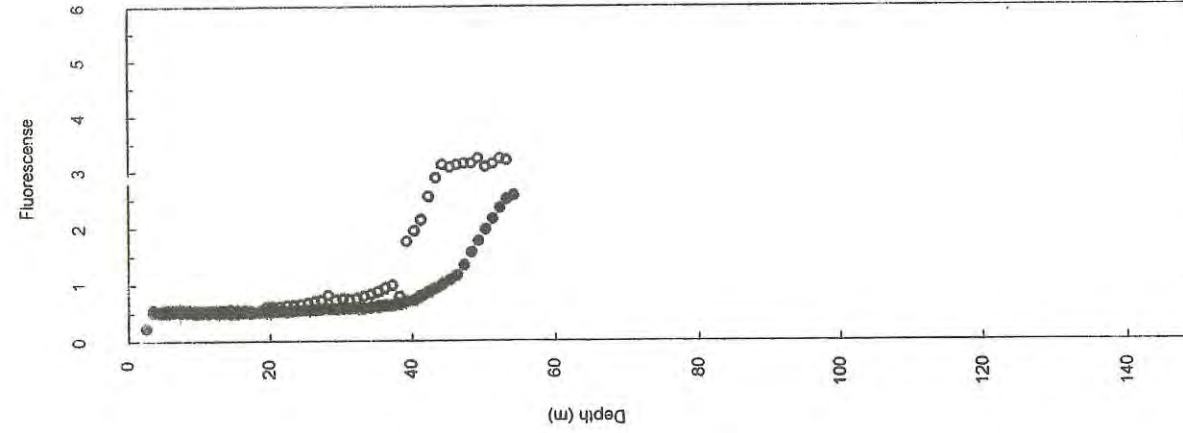
Station 031

● = Down-cast
○ = Up-cast



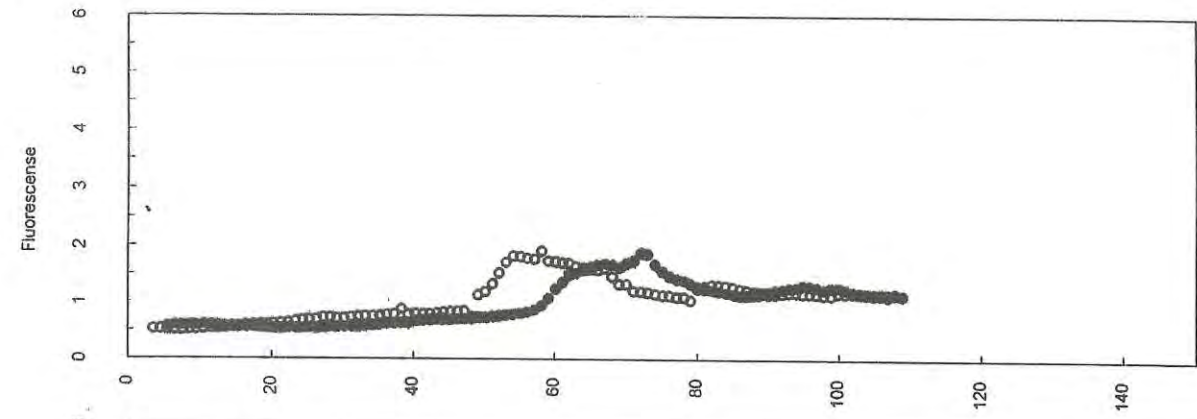
Station 030

● = Down-cast
○ = Up-cast



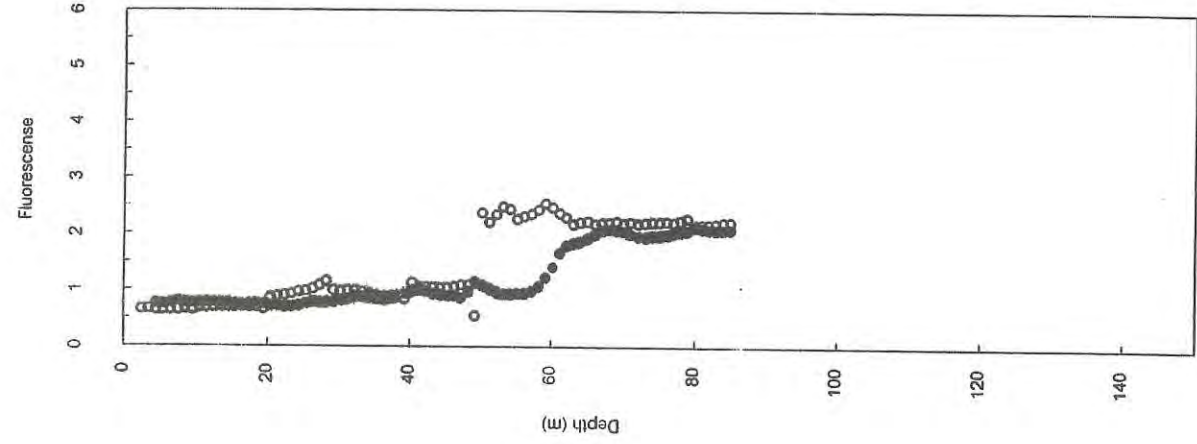
Station 029

● = Down-cast
○ = Up-cast



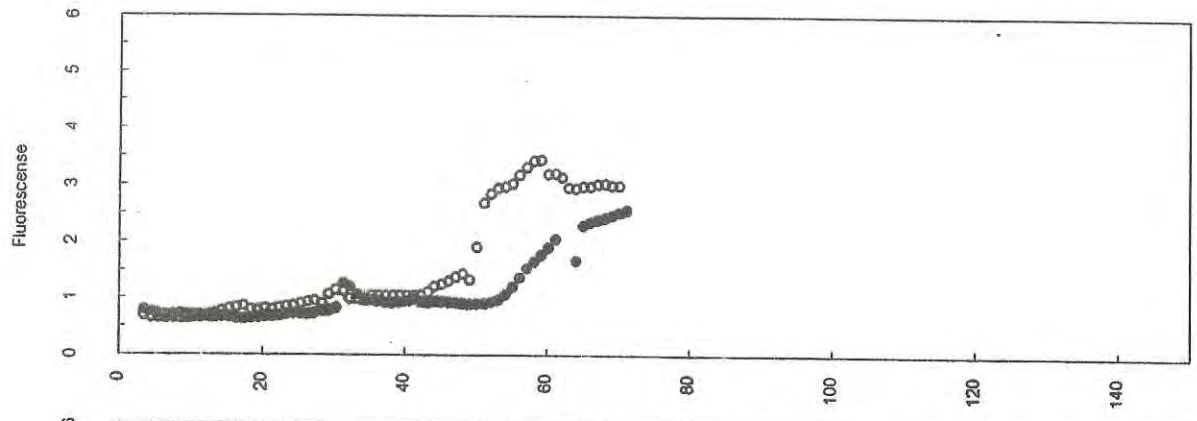
Station 036

o = Up-cast



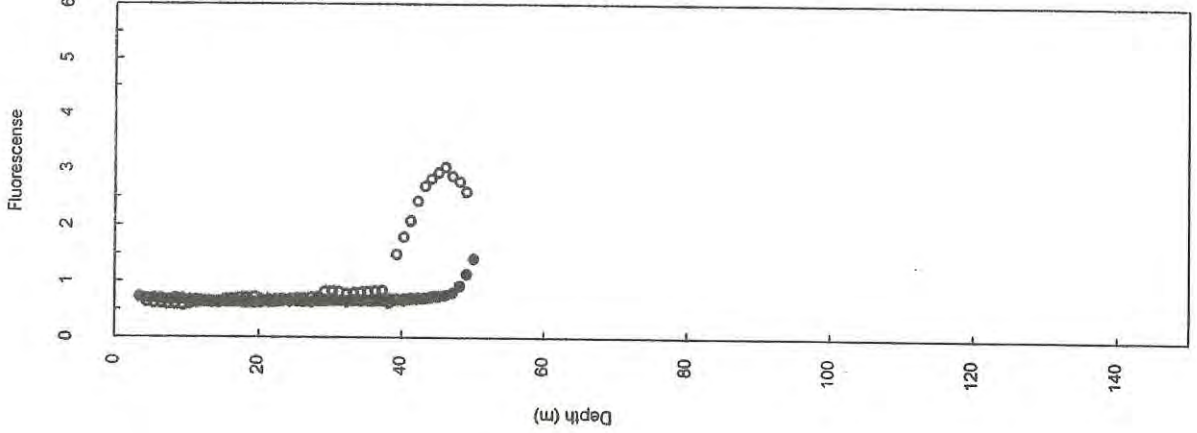
Station 035

● = Down-cast



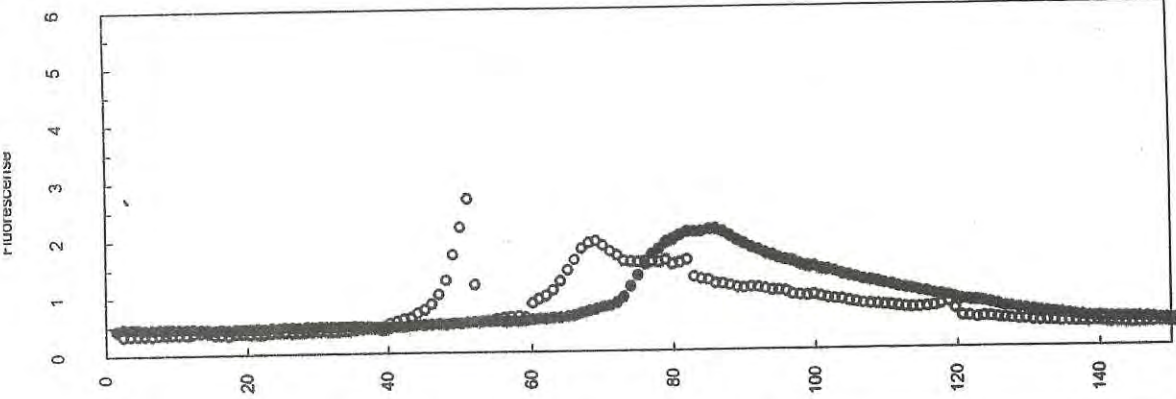
Station 034

o = Up-cast

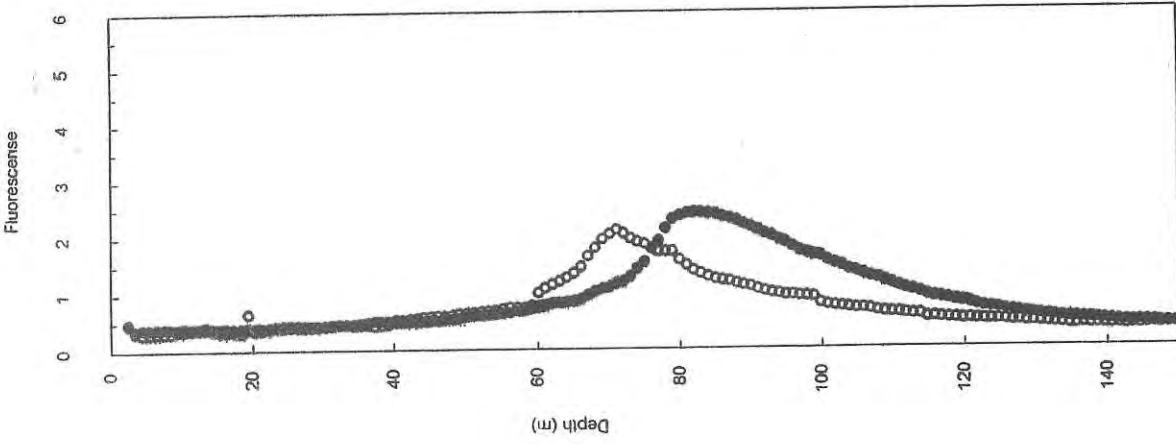


Station 033

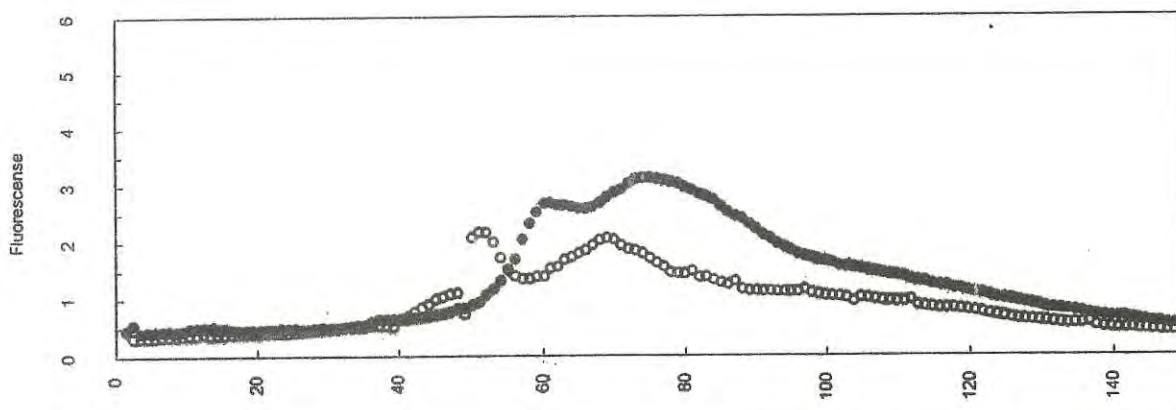
● = Down-cast



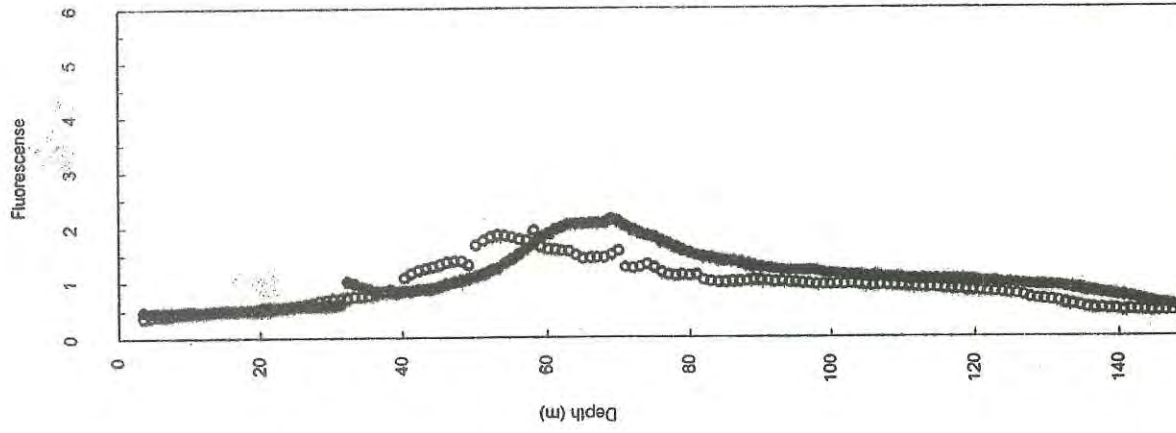
Station 040
● = Down-cast
○ = Up-cast



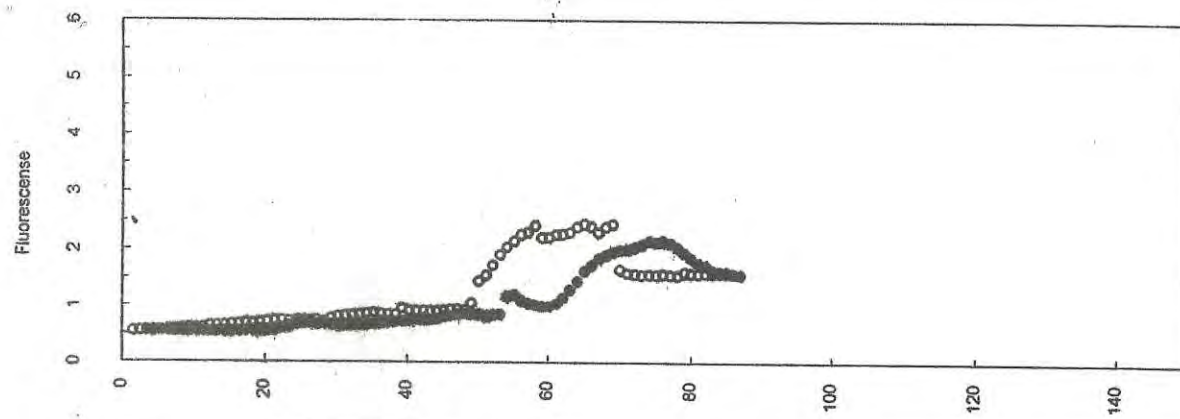
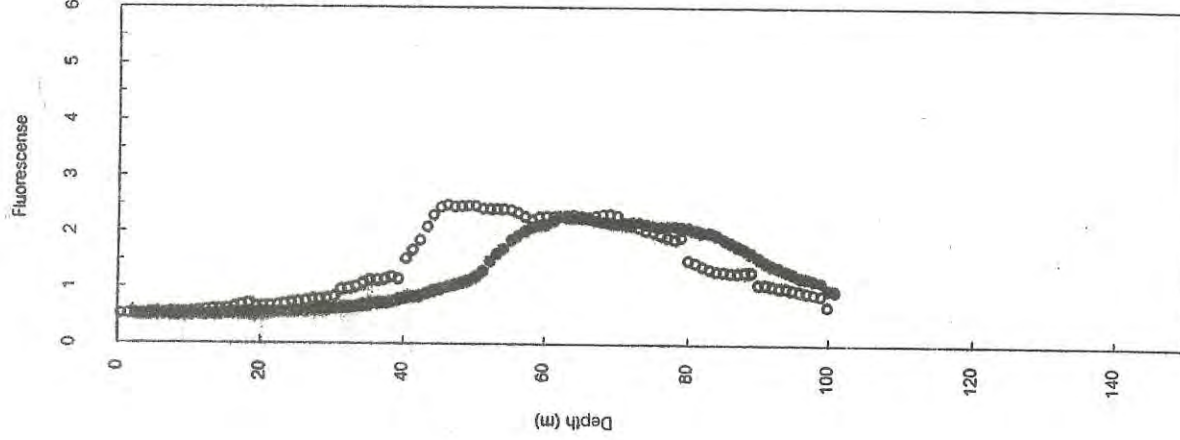
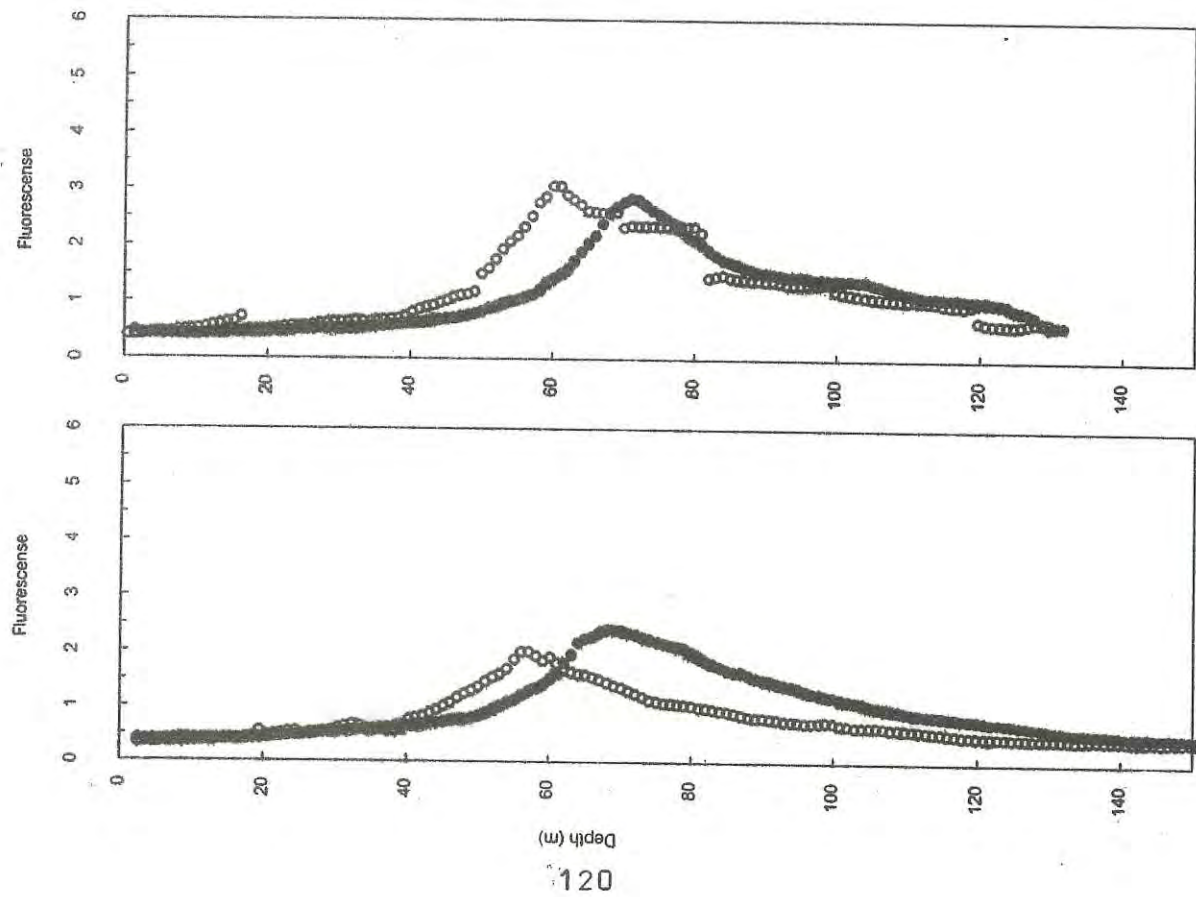
Station 039
● = Down-cast
○ = Up-cast

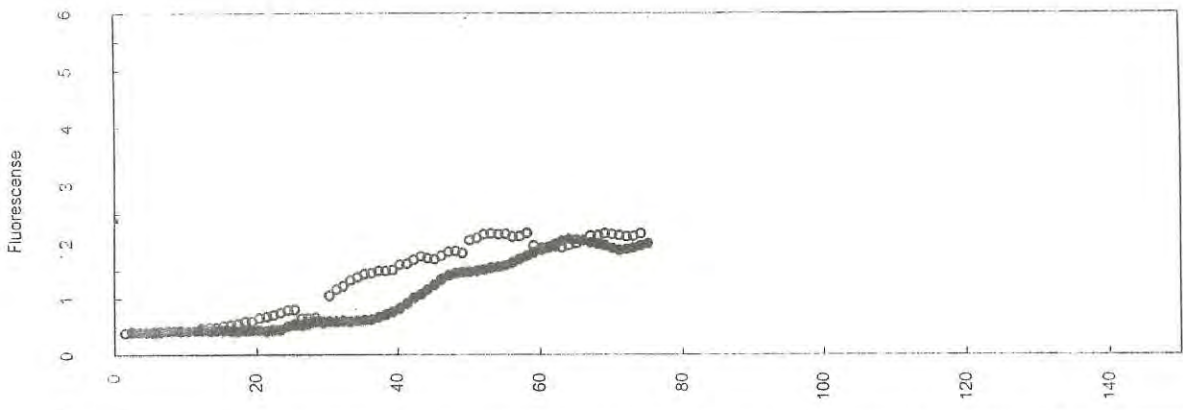


Station 038
● = Down-cast
○ = Up-cast



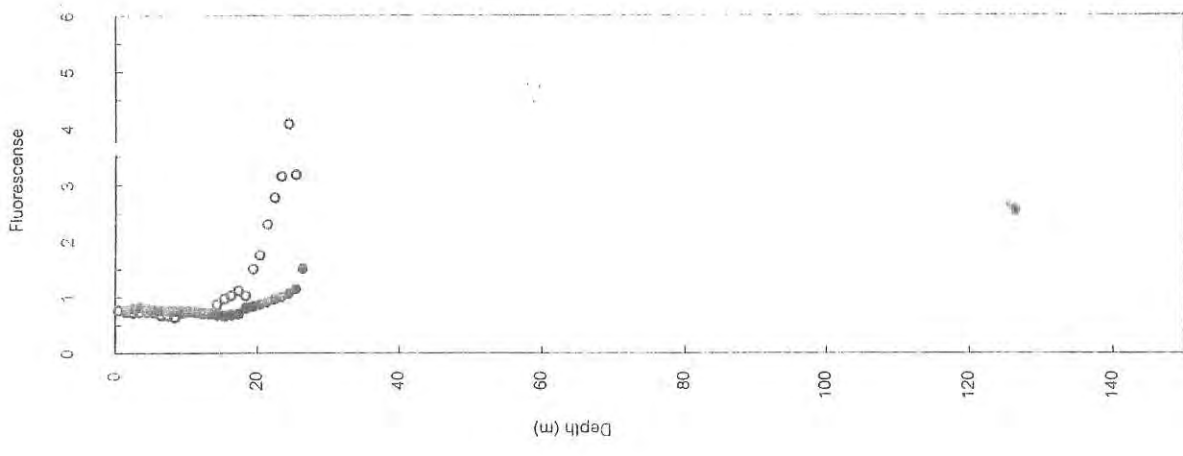
Station 037
● = Down-cast
○ = Up-cast





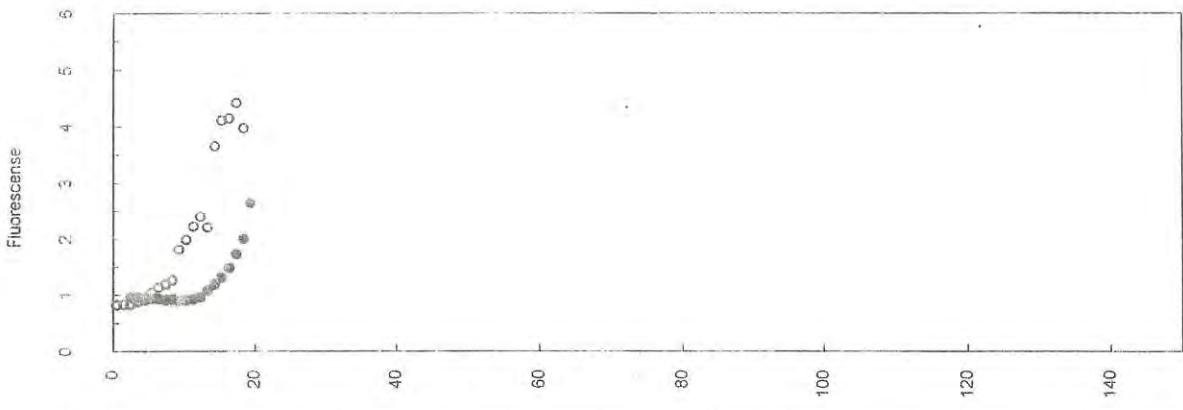
Station 048

o = Up-cast



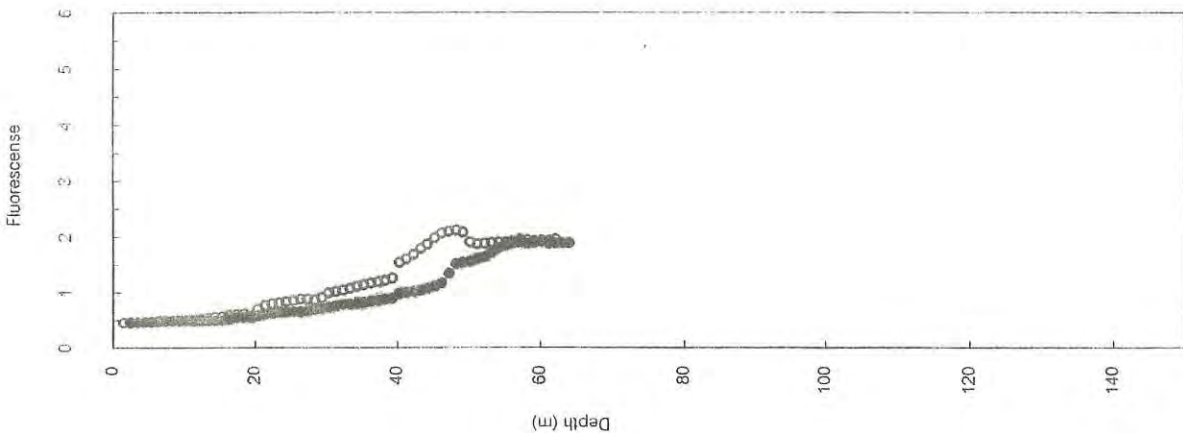
Station 047

● = Down-cast



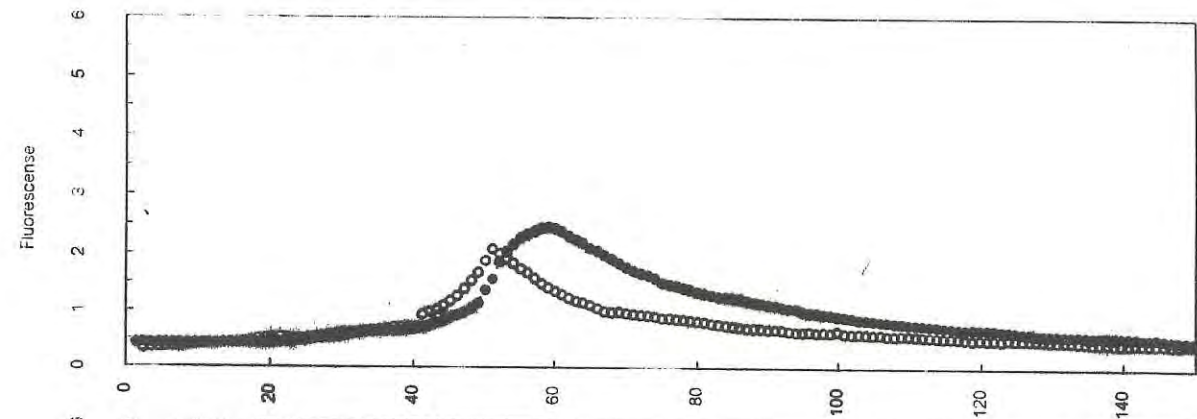
Station 046

o = Up-cast



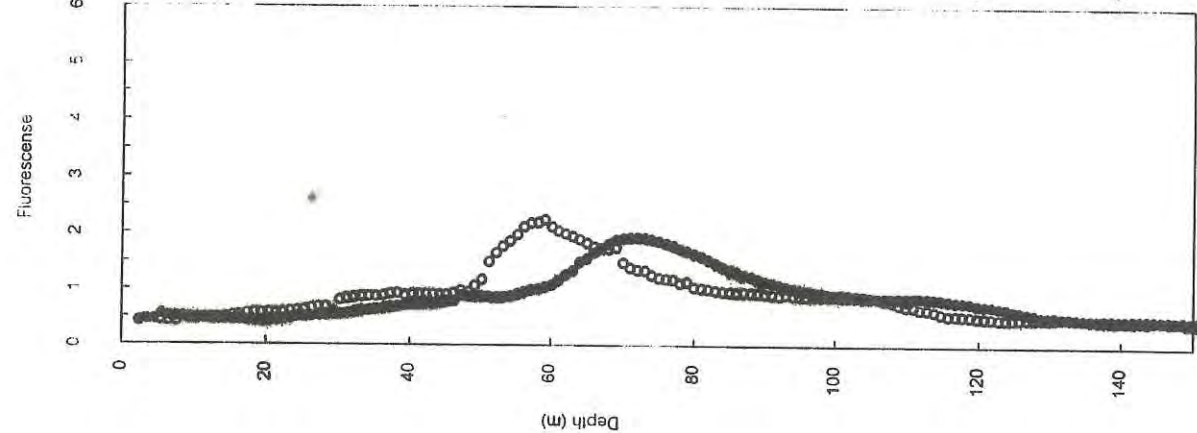
Station 045

● = Down-cast



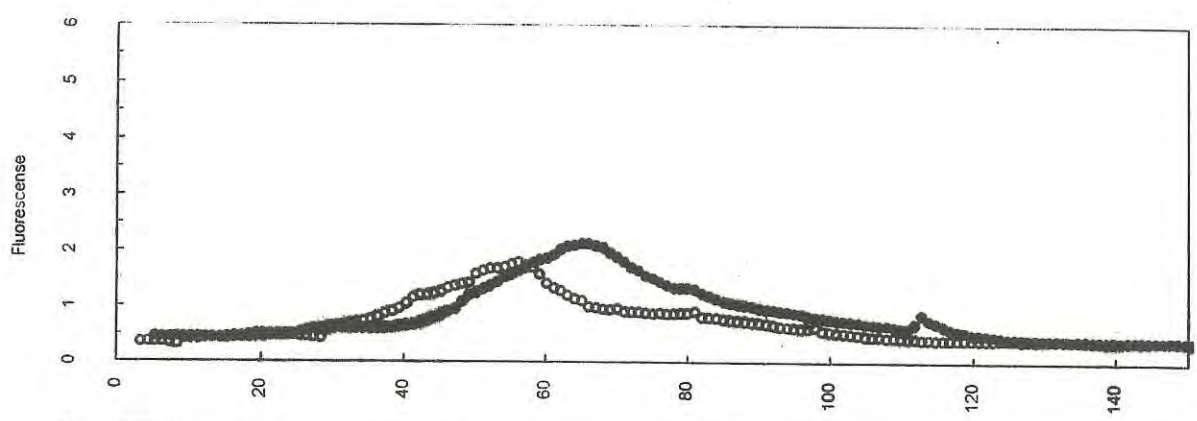
Station 052

o = Up-cast



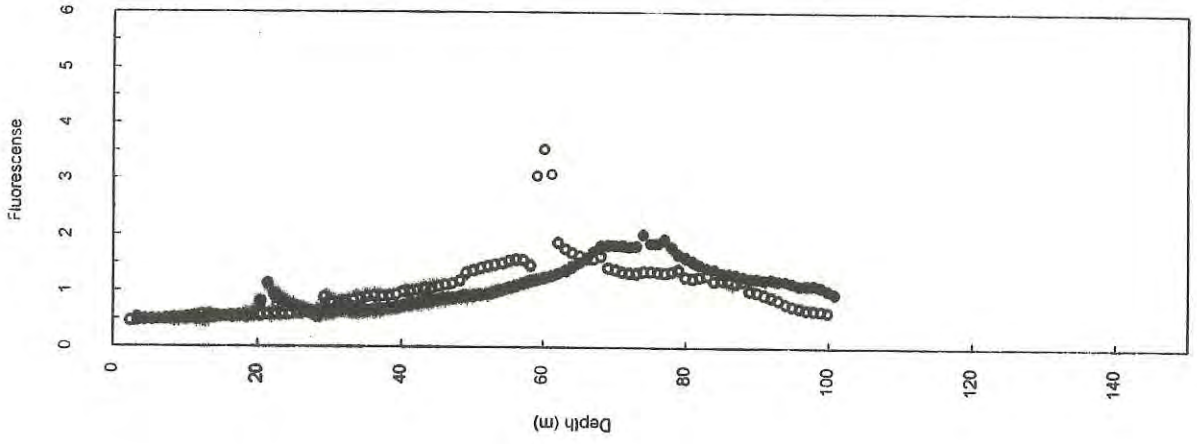
Station 051

● = Down-cast



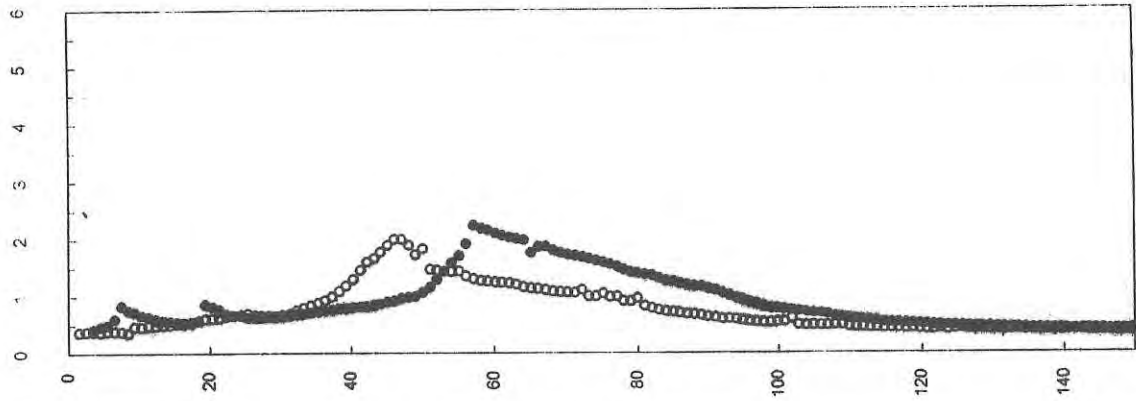
Station 050

o = Up-cast



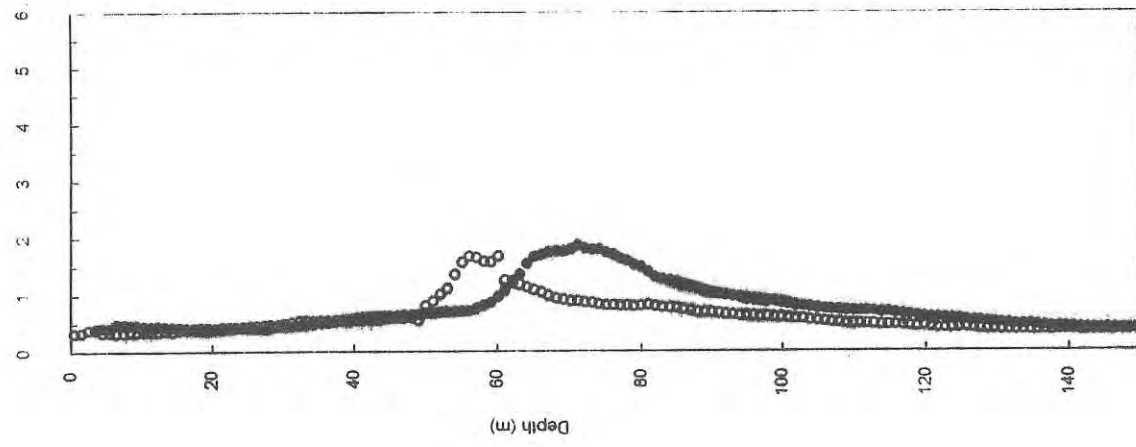
Station 049

● = Down-cast



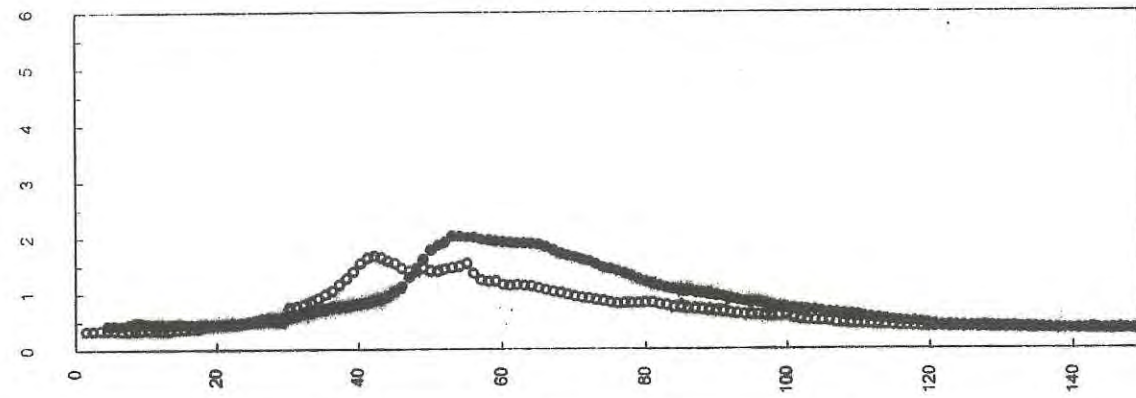
Station 056

o = Up-cast



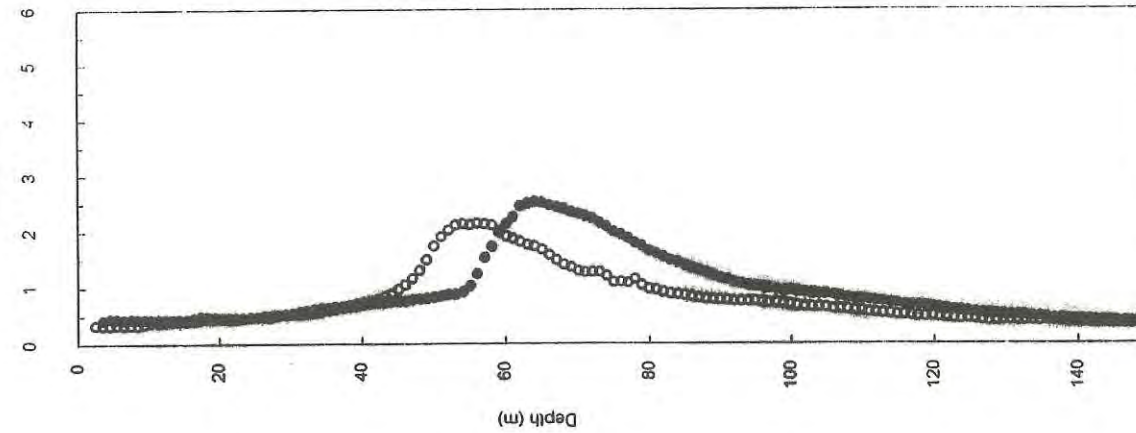
Station 055

● = Down-cast



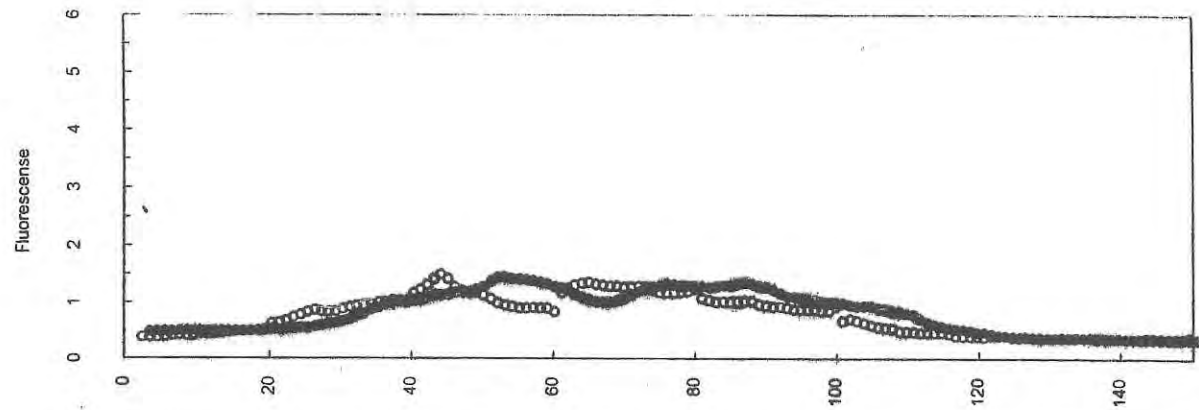
Station 054

o = Up-cast



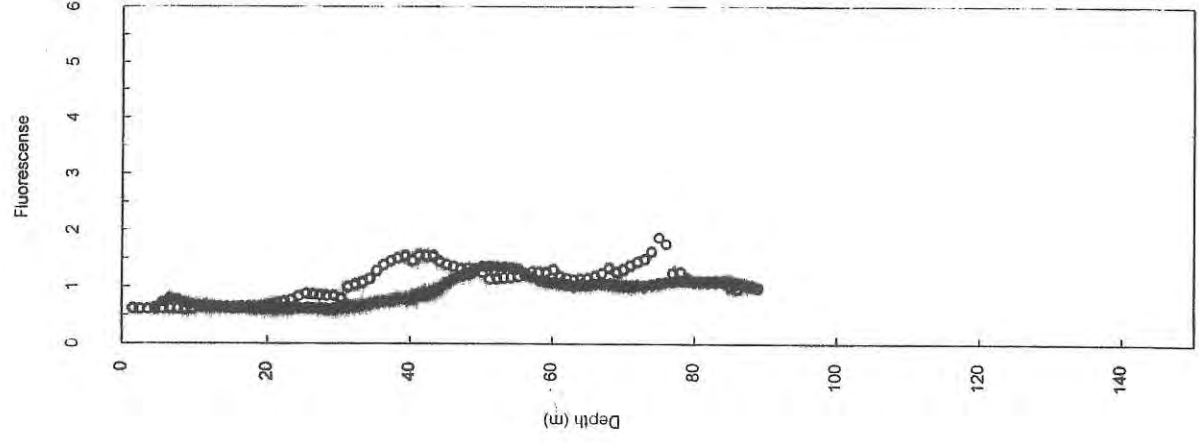
Station 053

● = Down-cast



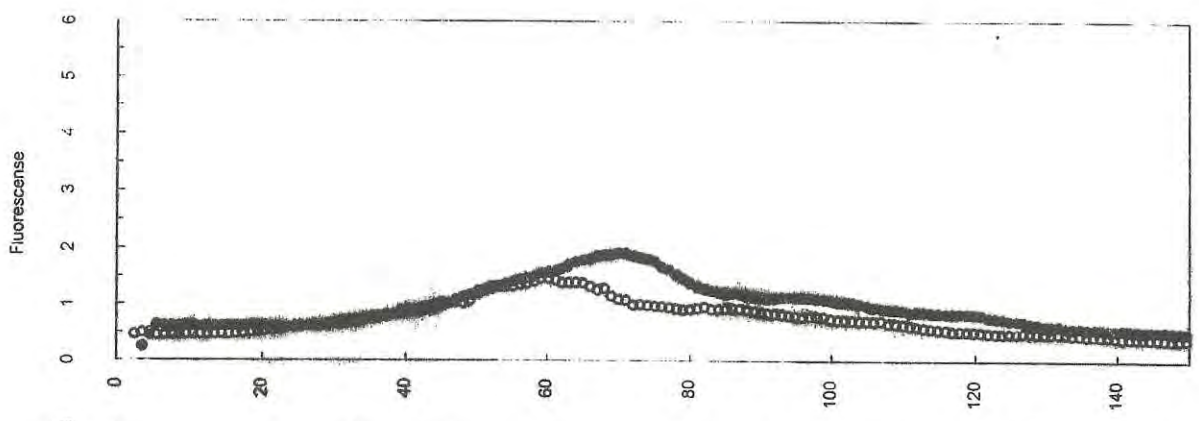
Station 060

o = Up-cast



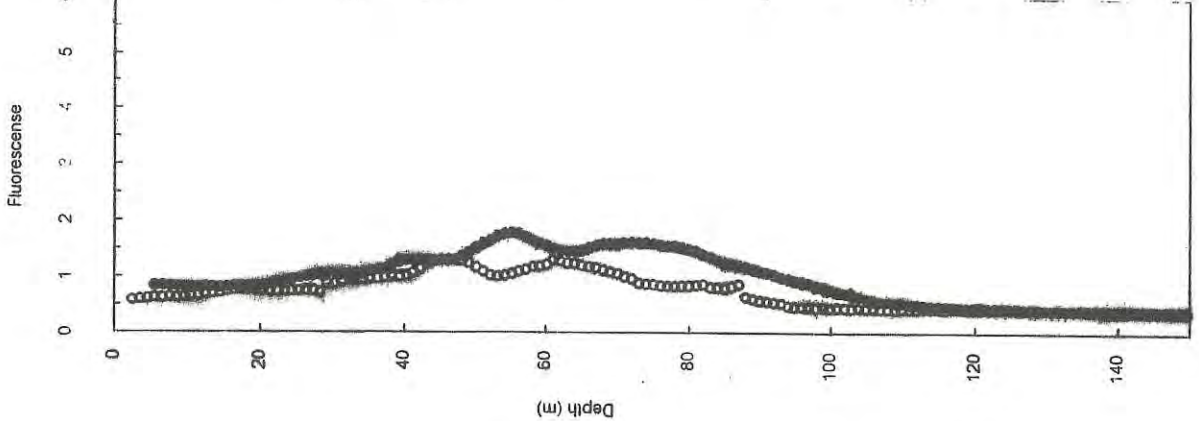
Station 059

● = Down-cast



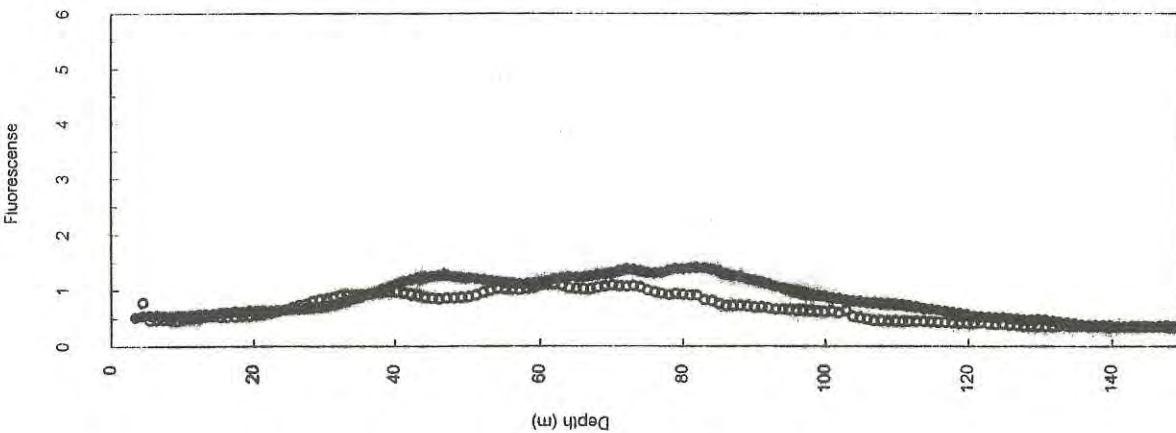
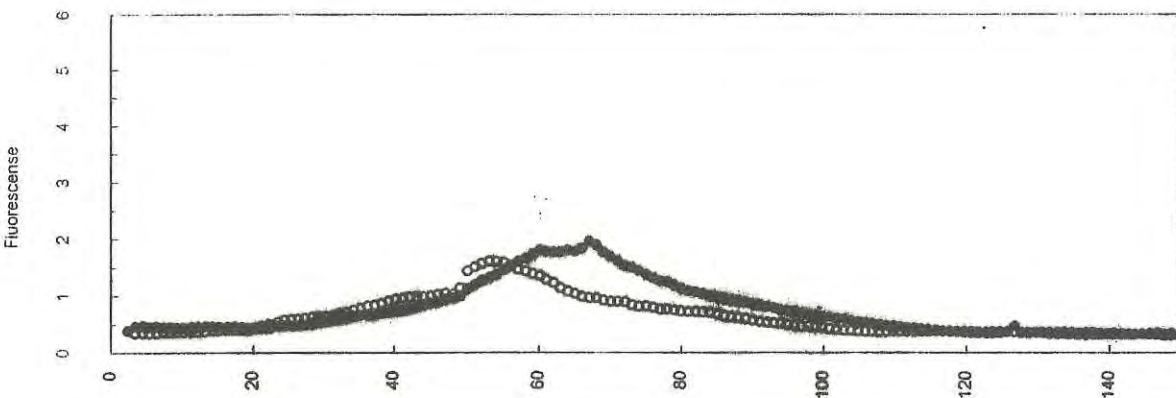
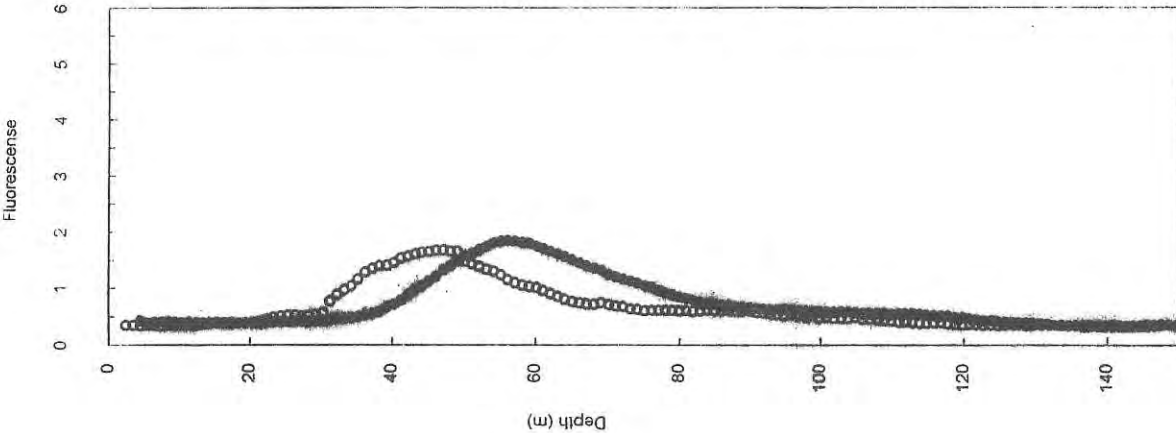
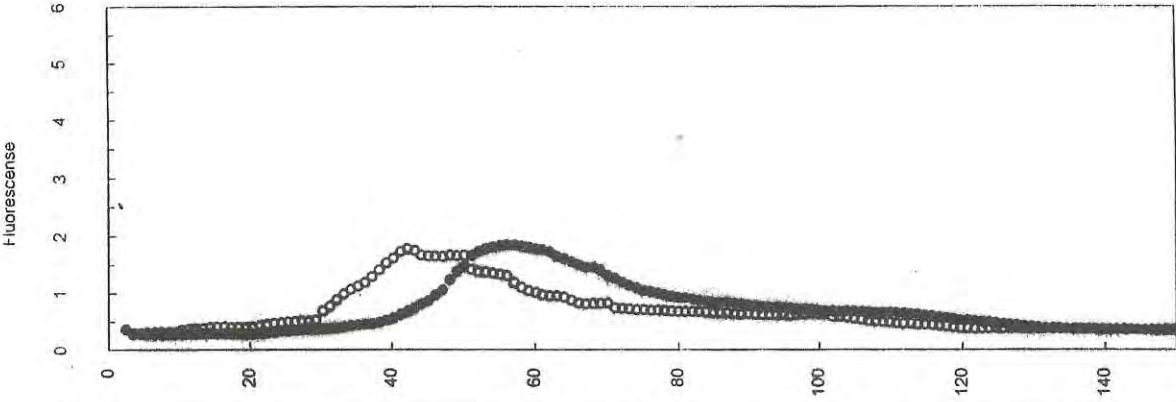
Station 058

o = Up-cast



Station 057

● = Down-cast

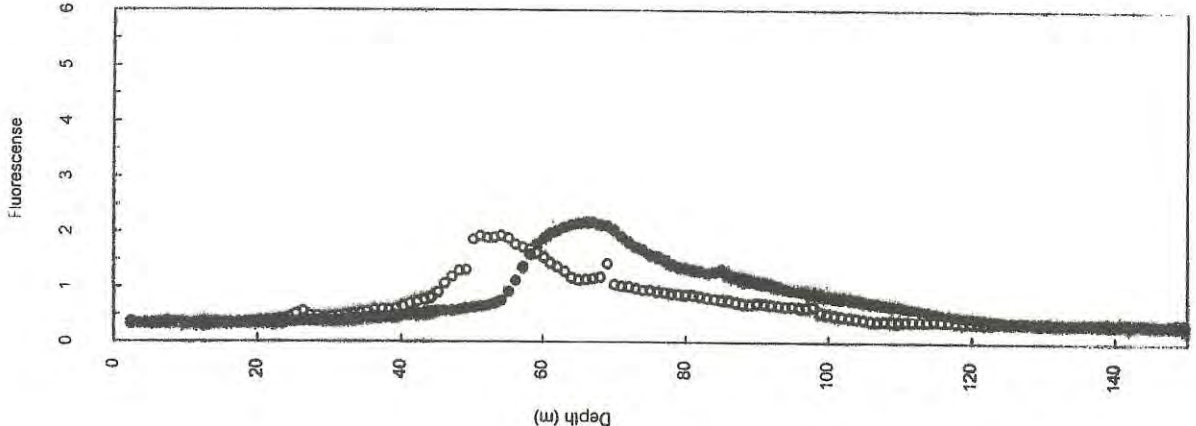
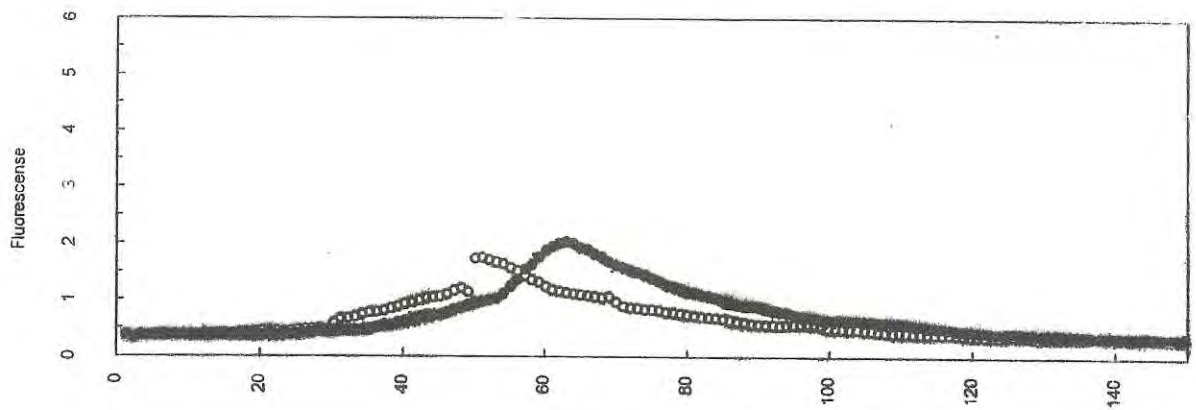
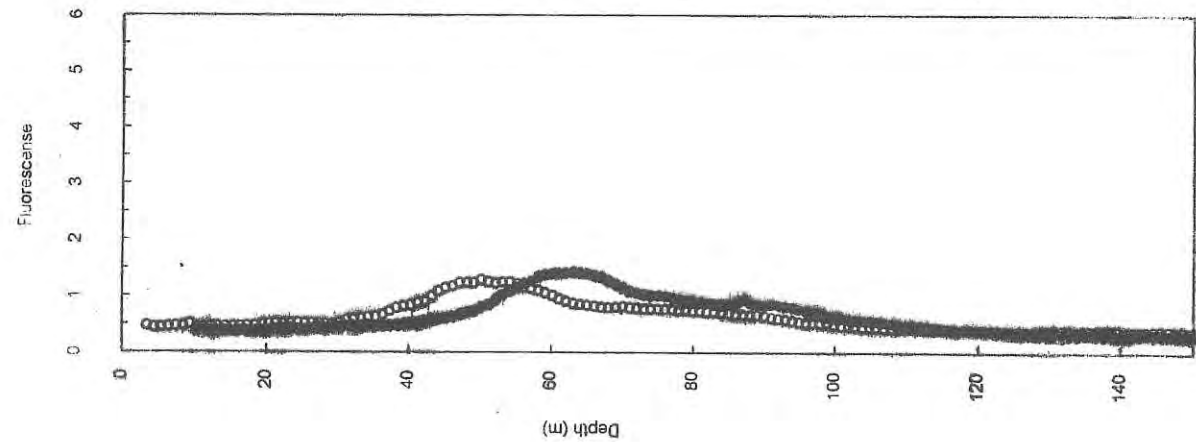
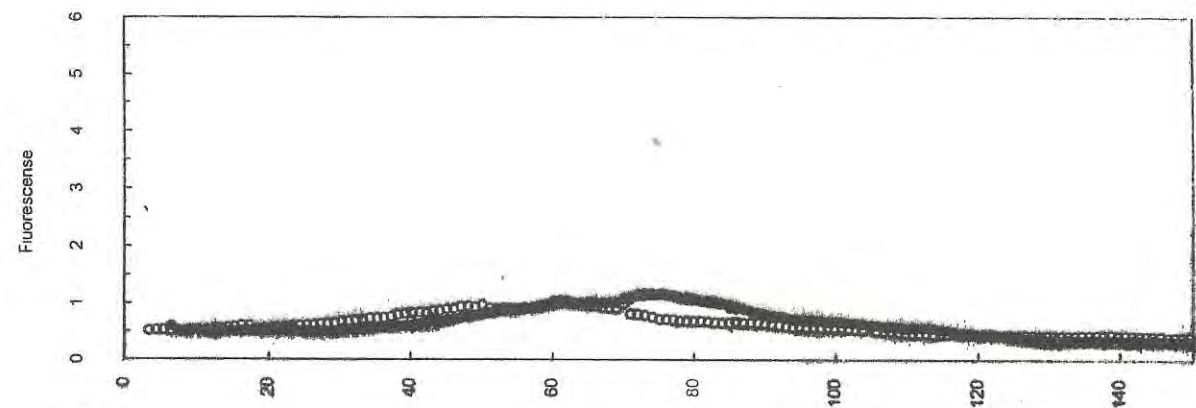


o = Up-cast

● = Down-cast

o = Up-cast

● = Down-cast



Station 068

Station 067

Station 066

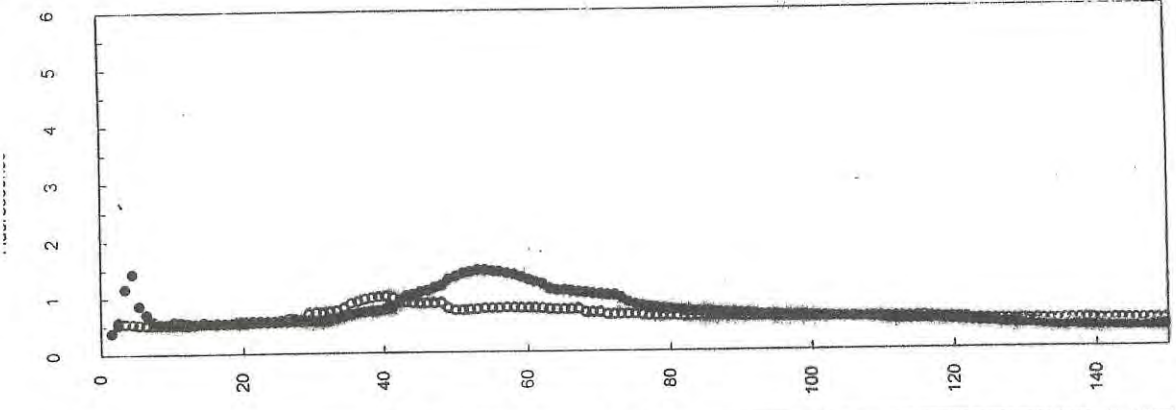
Station 065

● = Down-cast
○ = Up-cast

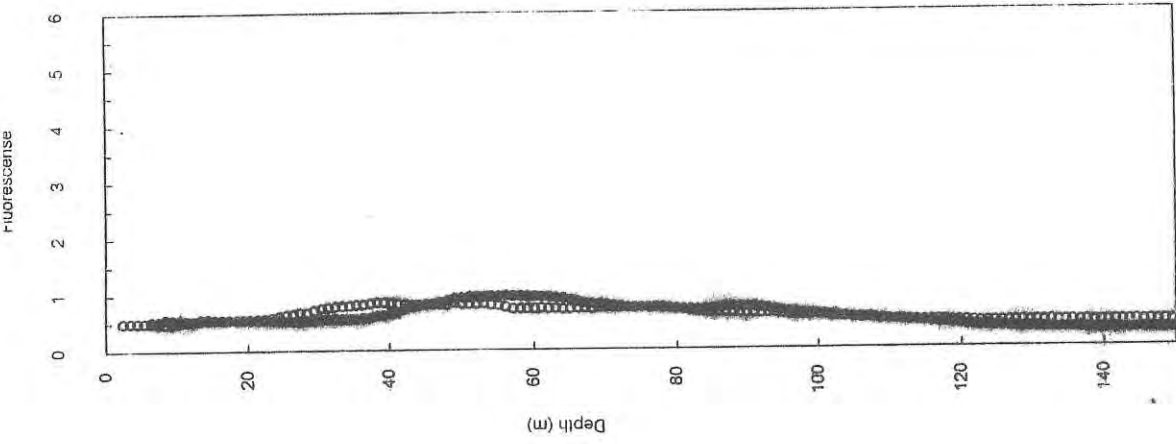
● = Down-cast
○ = Up-cast

● = Down-cast
○ = Up-cast

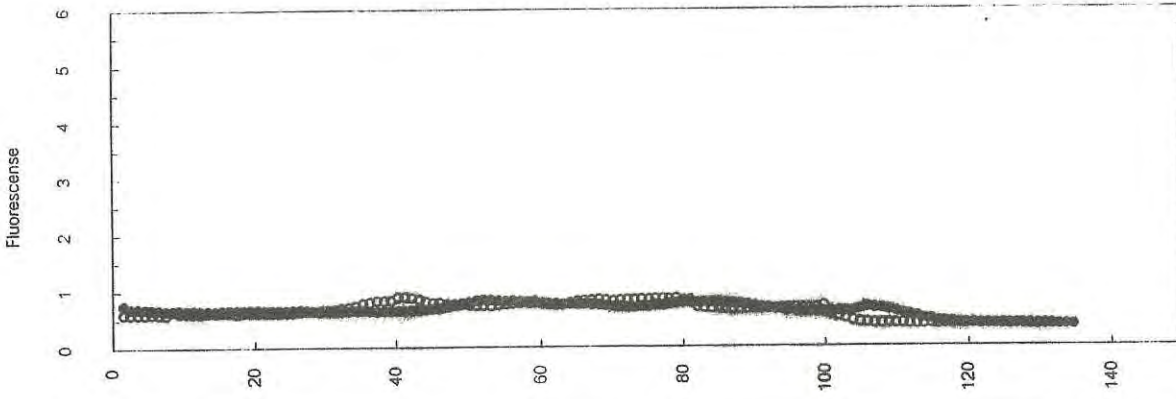
● = Down-cast
○ = Up-cast



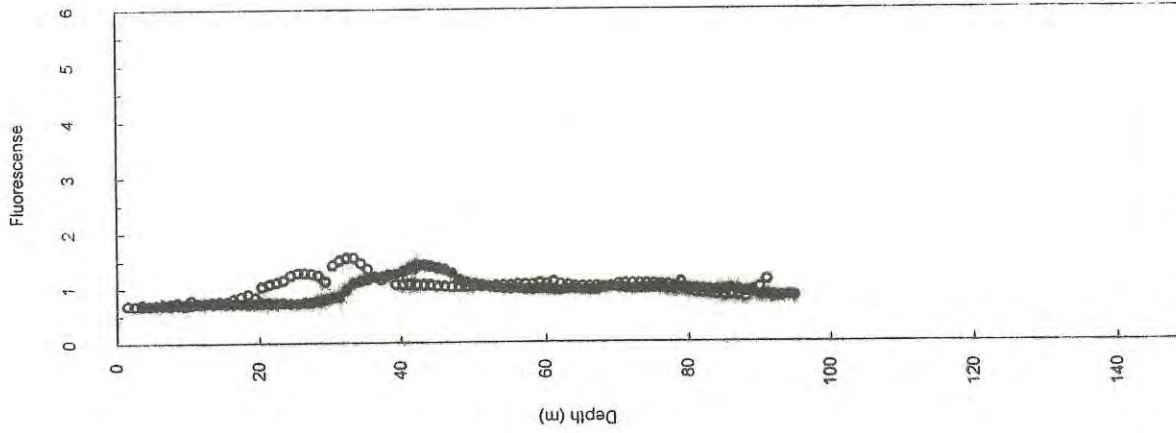
Station 072



Station 071



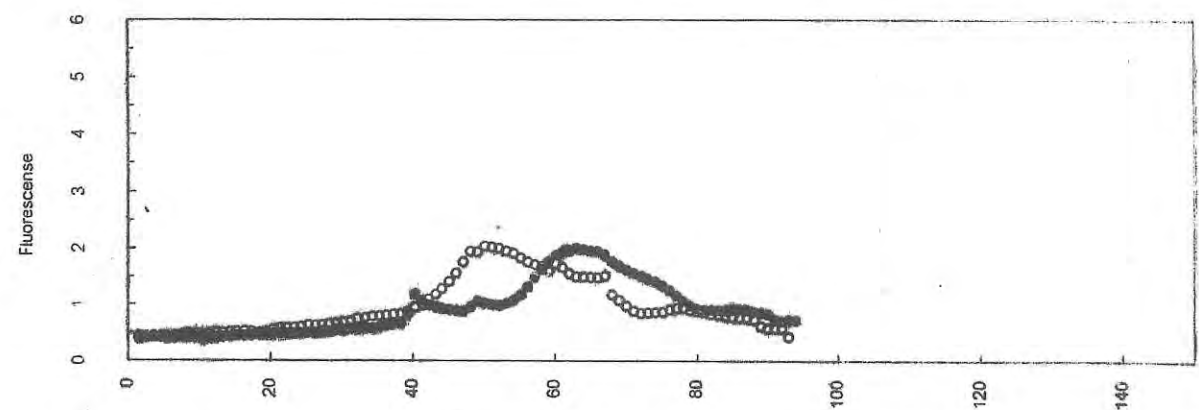
Station 070



Station 069

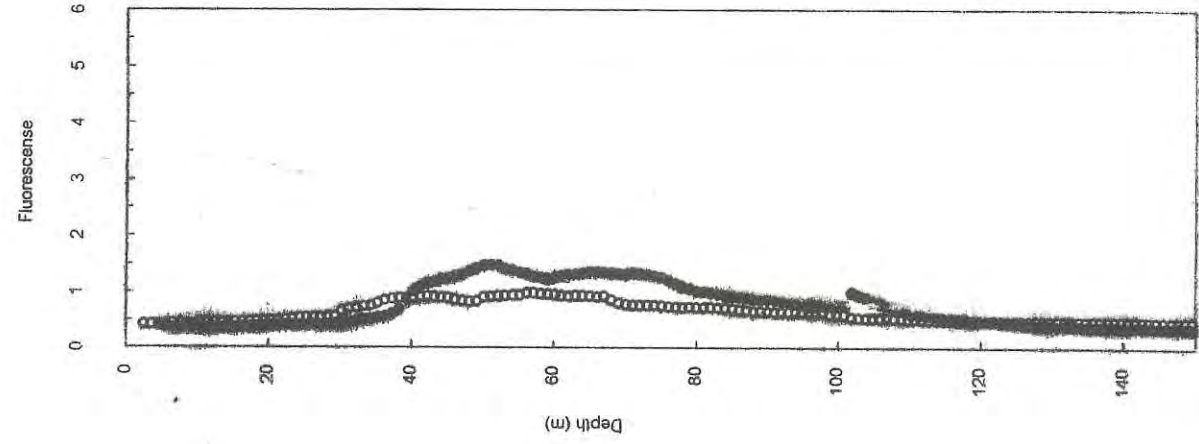
● = Down-cast
○ = Up-cast

● = Down-cast
○ = Up-cast



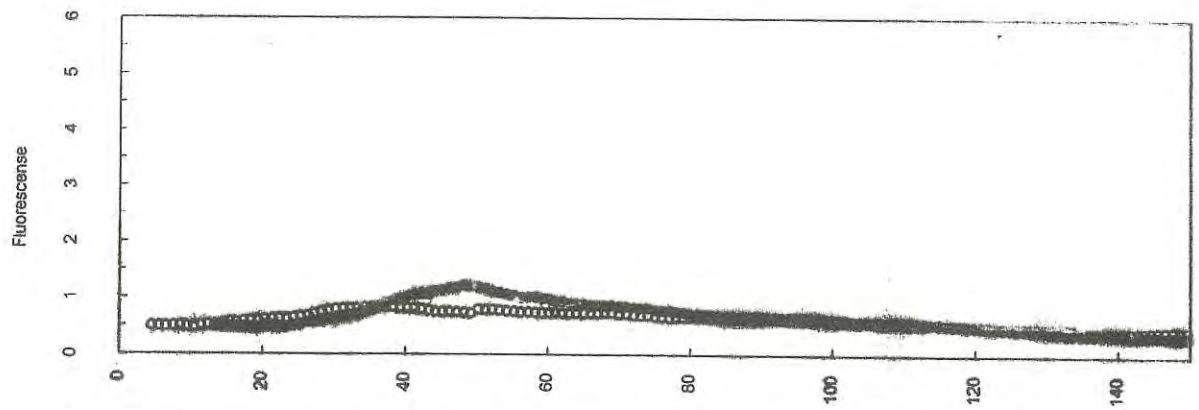
Station 076

o = Up-cast



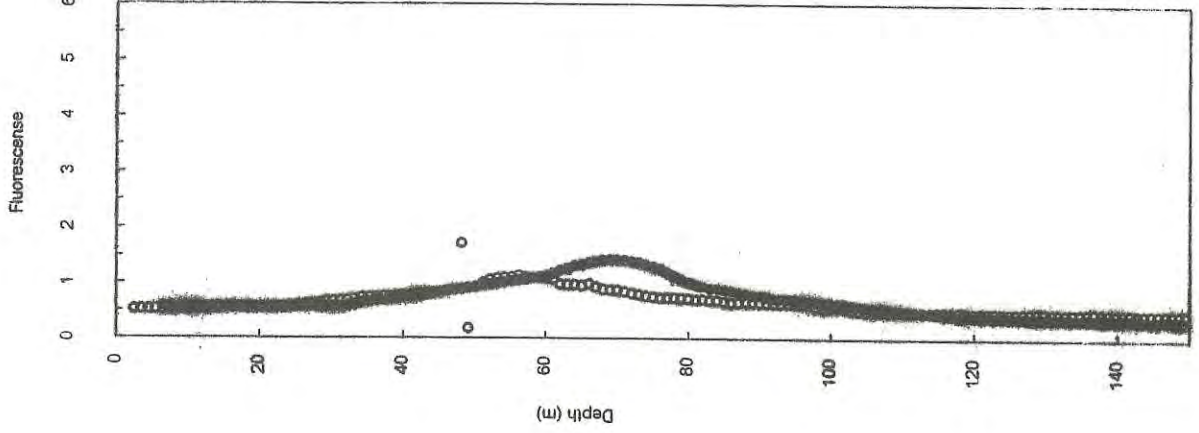
Station 075

● = Down-cast



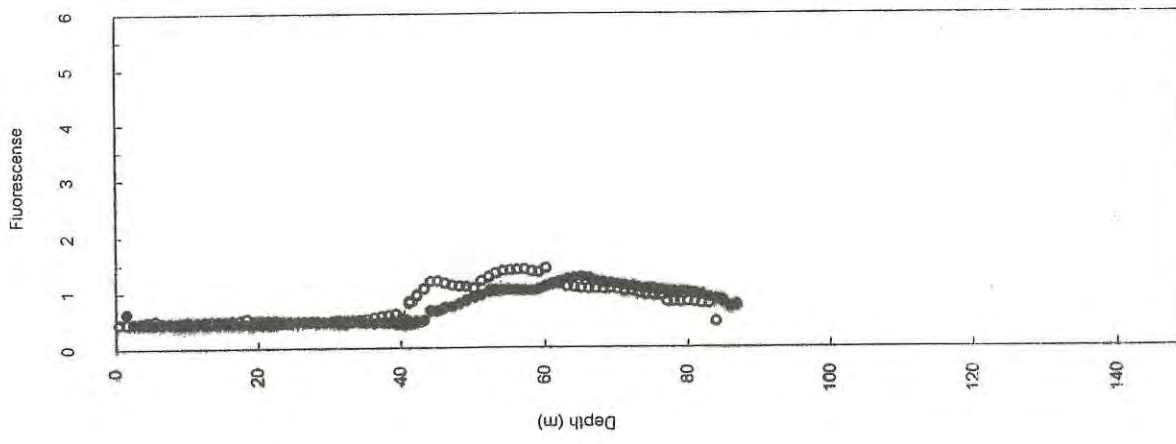
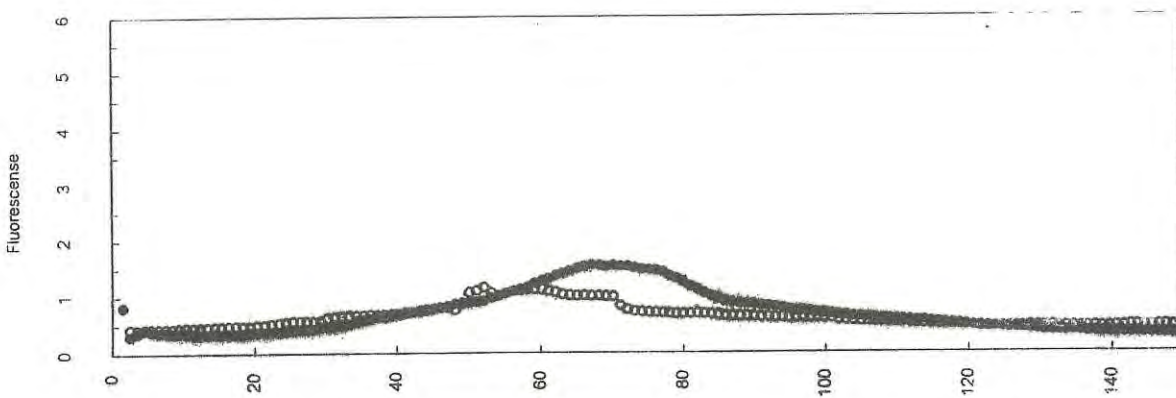
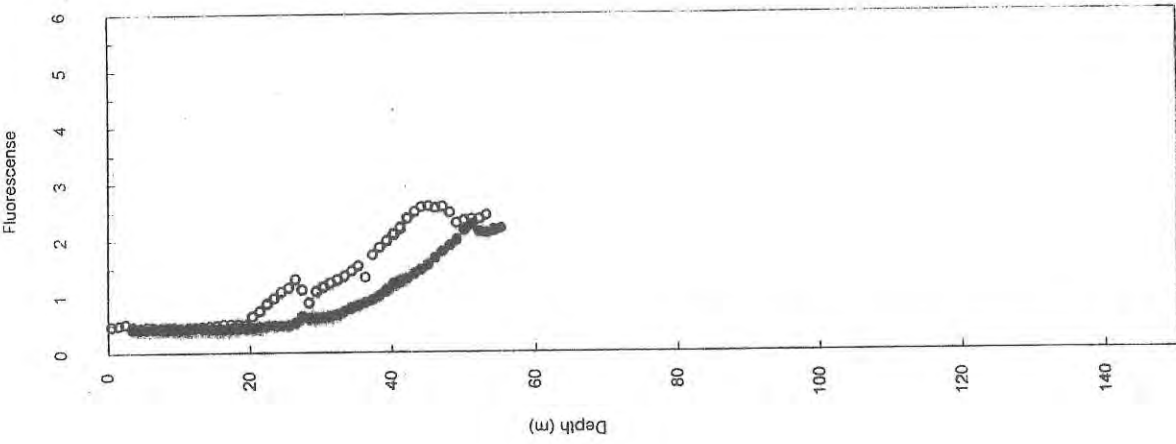
Station 074

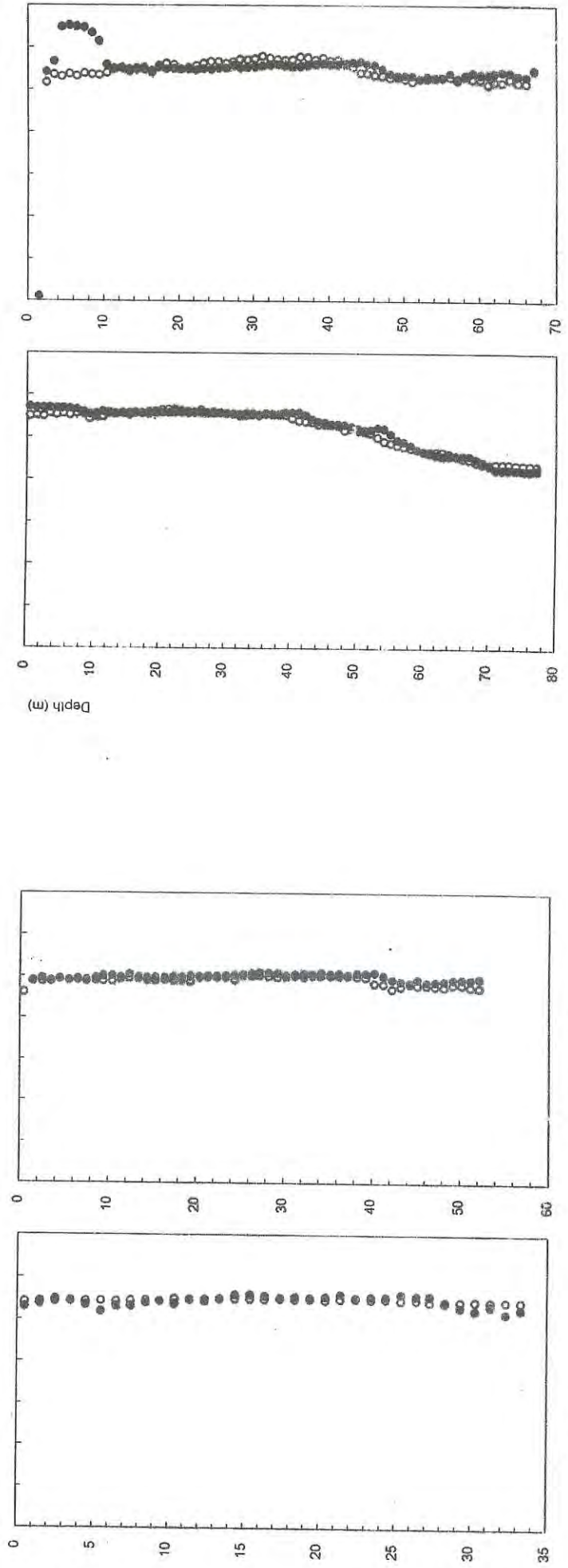
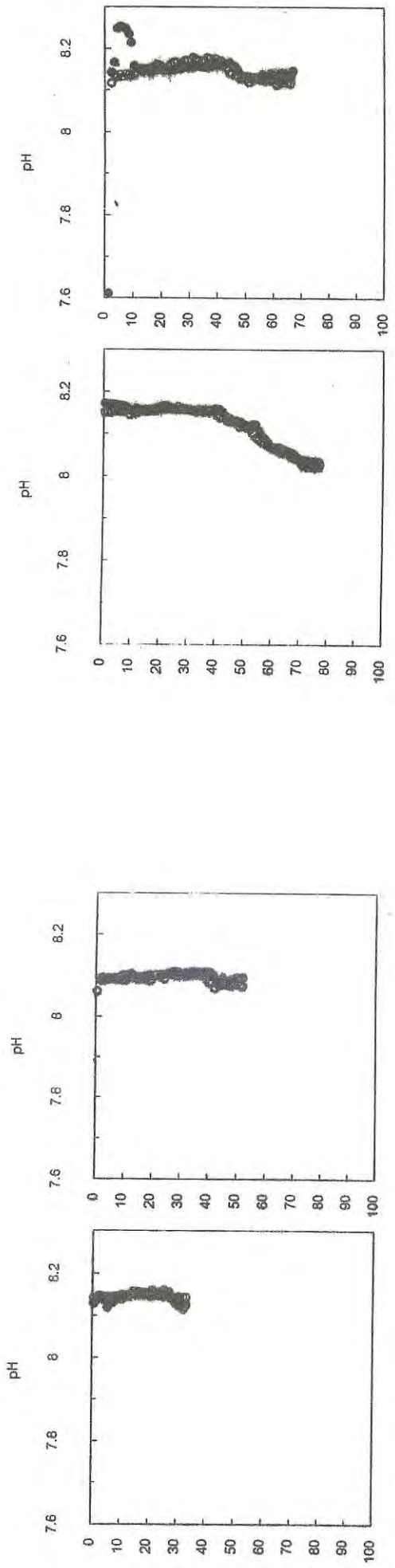
o = Up-cast



Station 073

● = Down-cast





Station 004

Station 003

Station 002

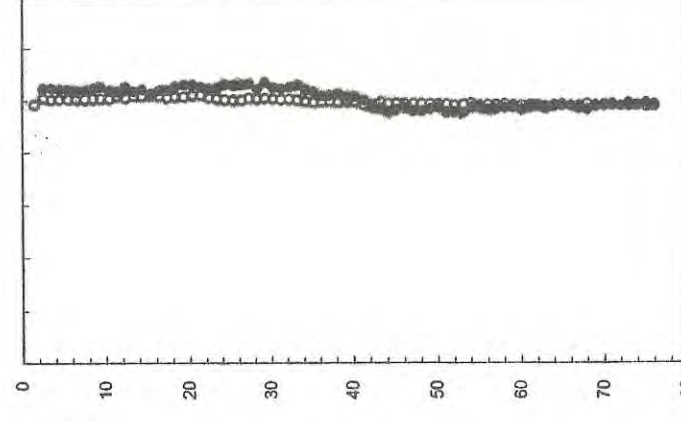
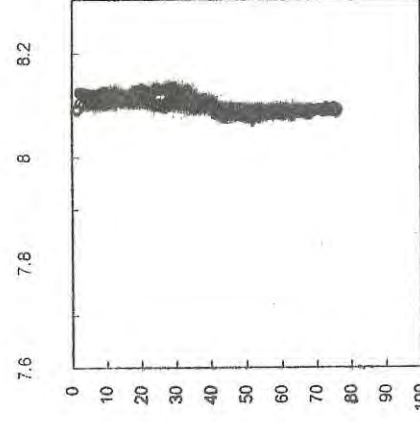
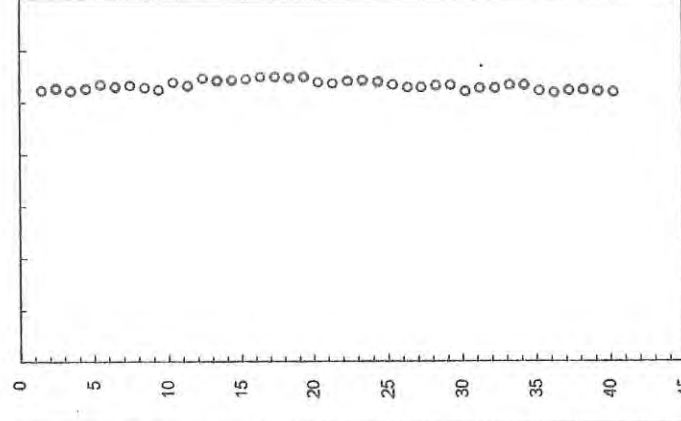
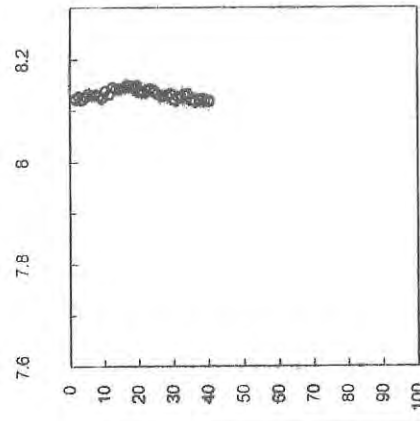
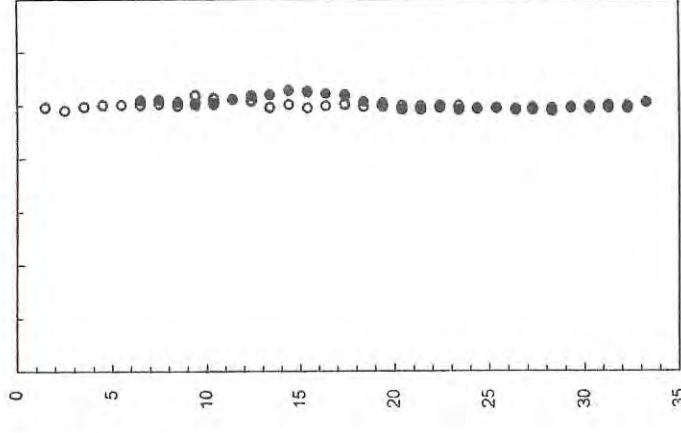
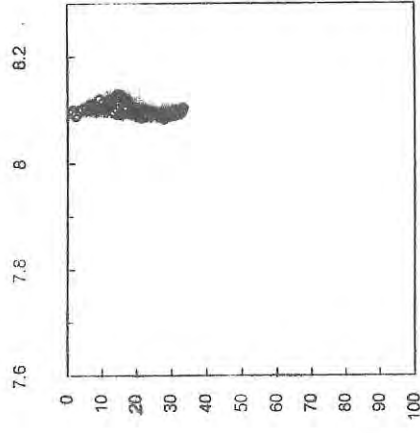
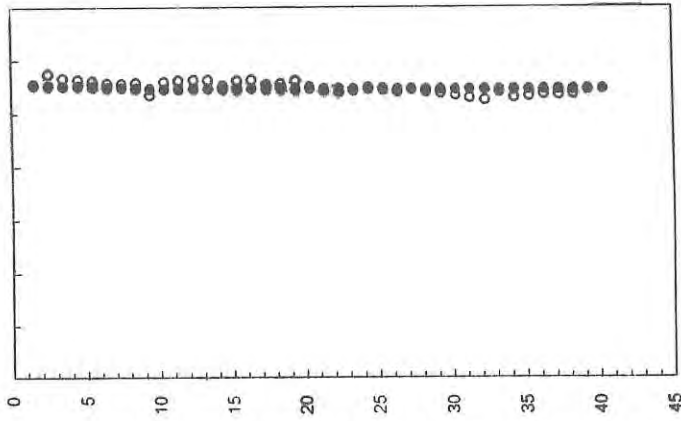
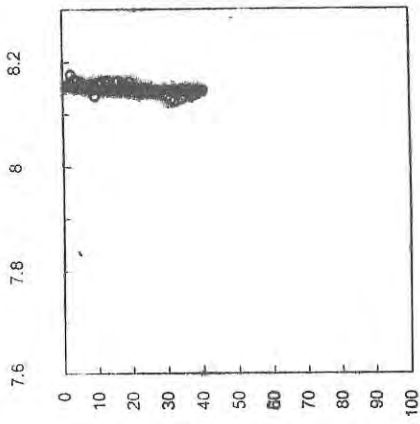
Station 001

o = Up-cast

● = Down-cast

o = Up-cast

● = Down-cast



Station 006

Station 007

Station 006

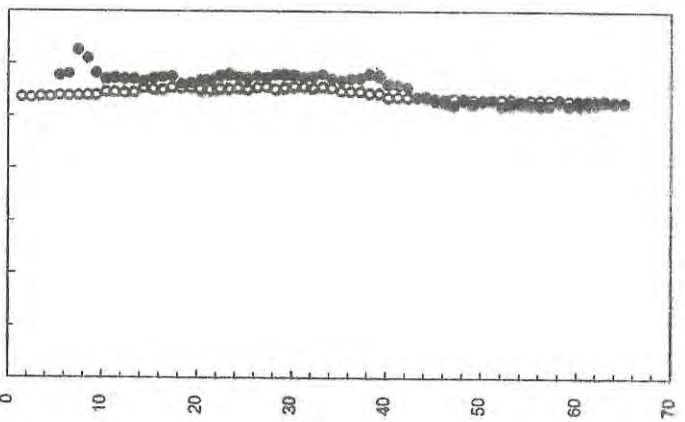
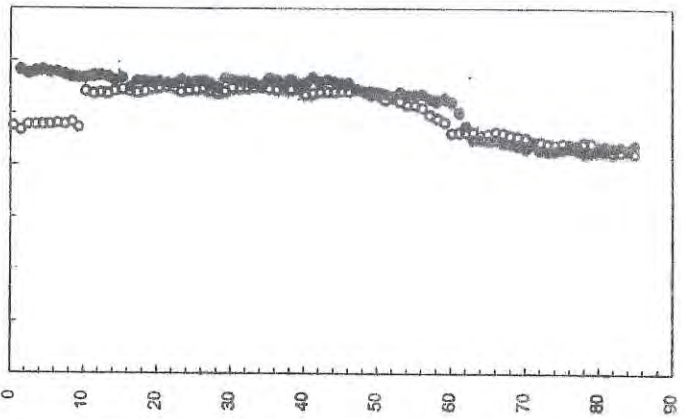
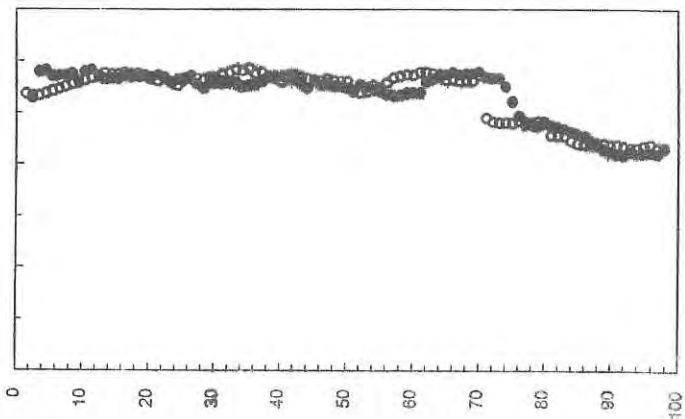
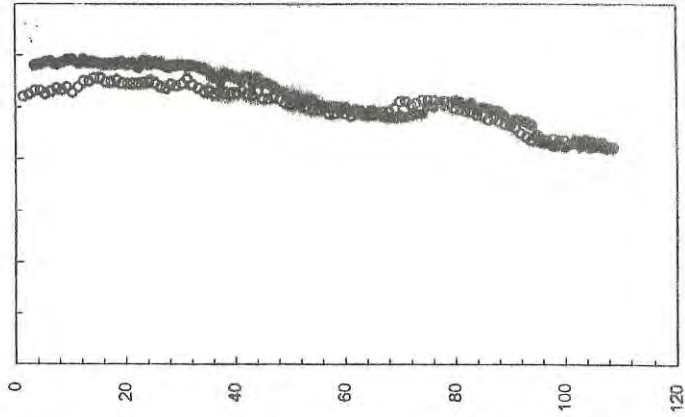
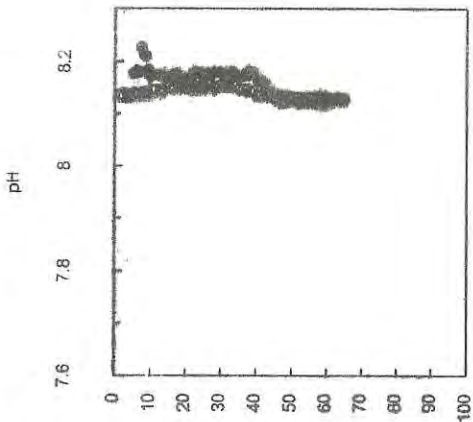
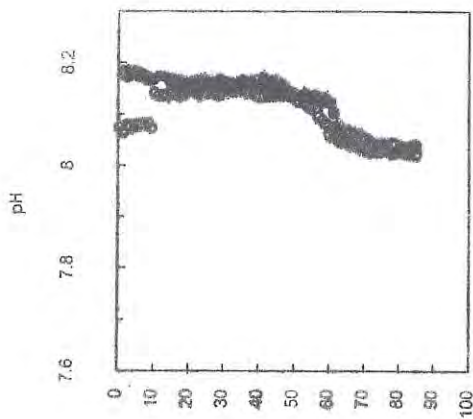
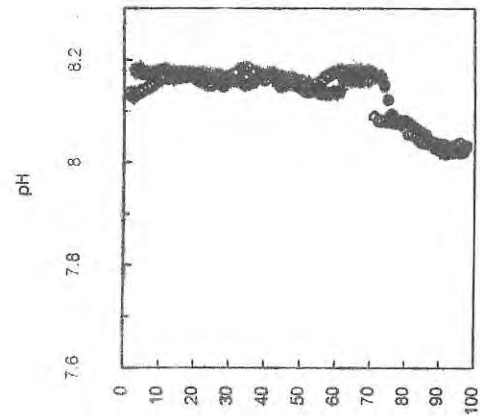
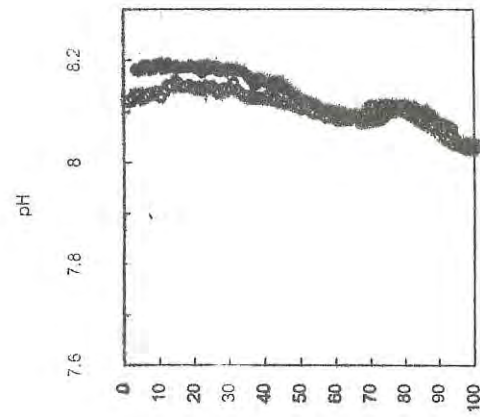
Station 005

o = Up-cast

● = Down-cast

o = Up-cast

● = Down-cast



Station 012

Station 011

Station 010

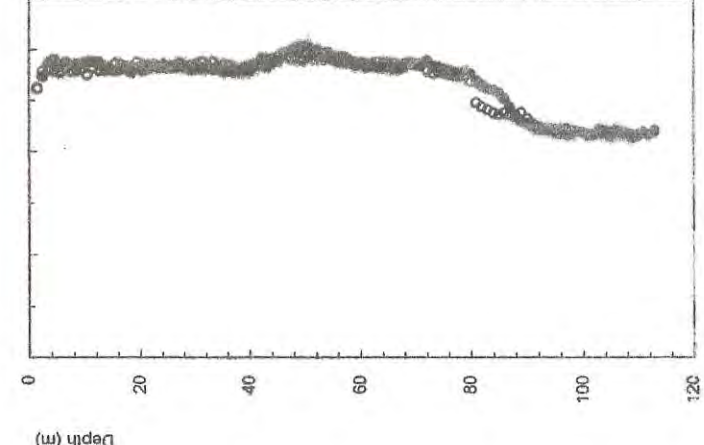
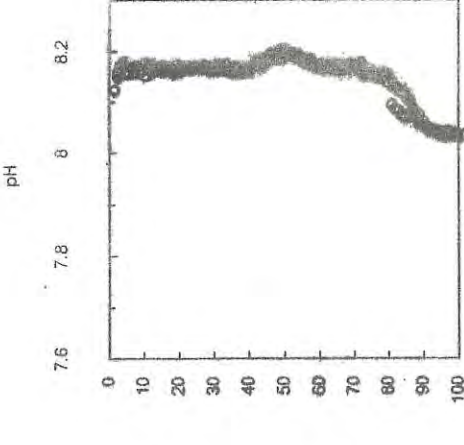
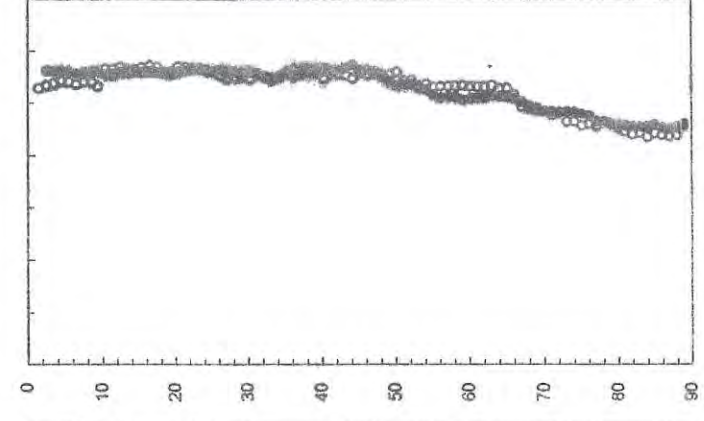
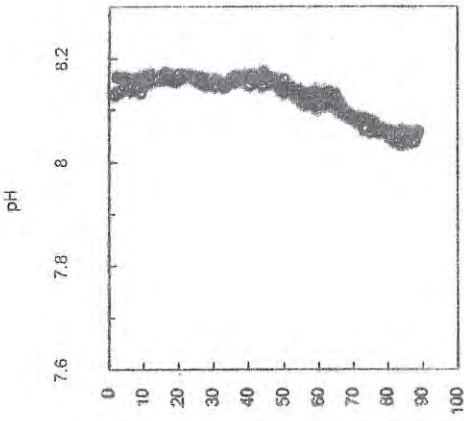
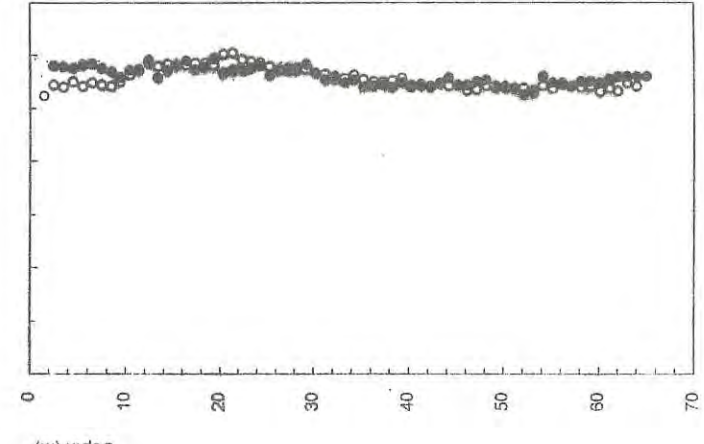
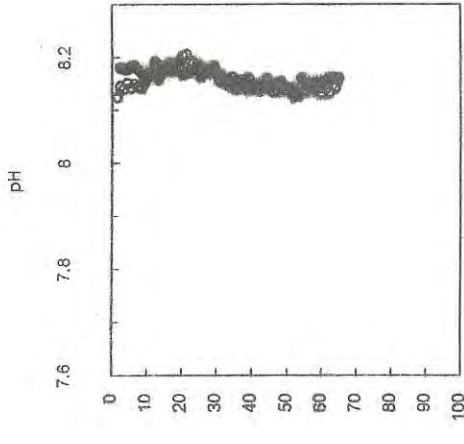
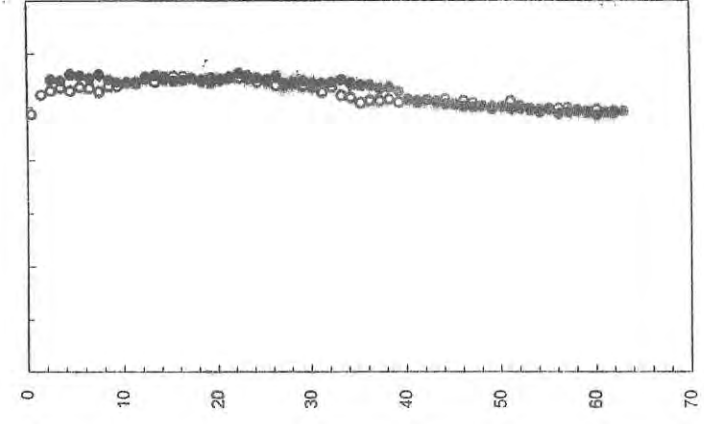
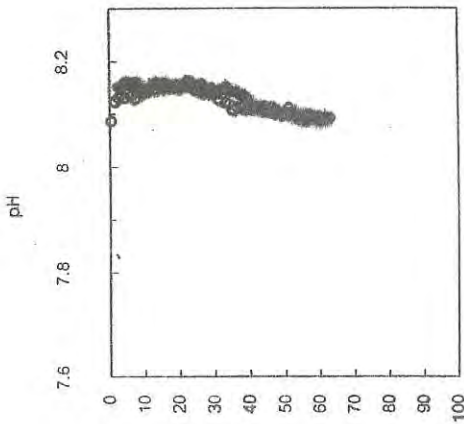
Station 009

o = Up-cast

● = Down-cast

o = Up-cast

● = Down-cast



Station 016

Station 015

Station 014

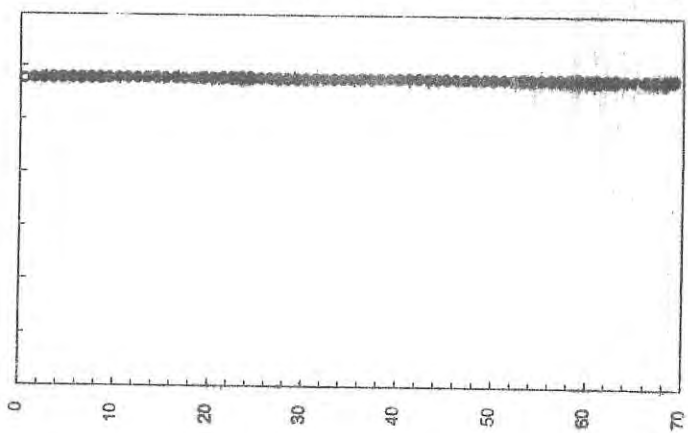
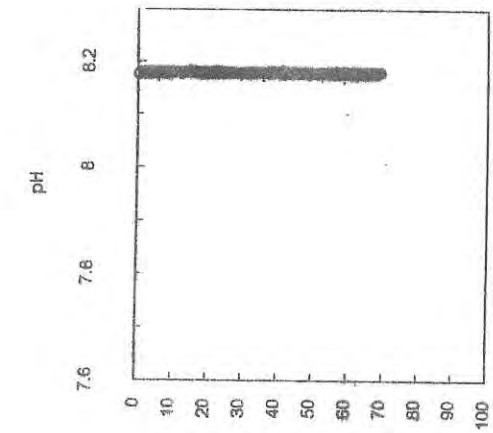
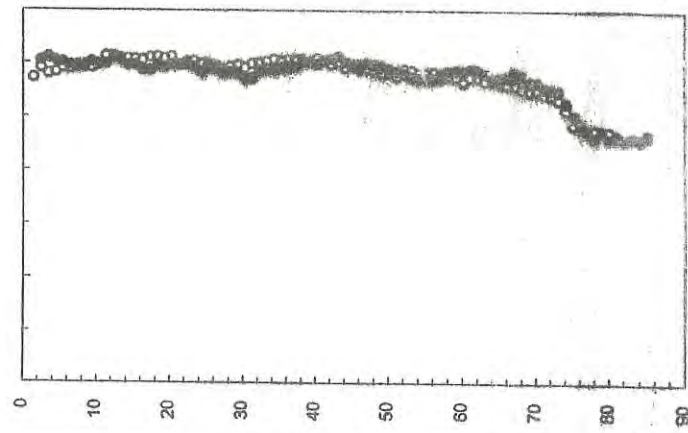
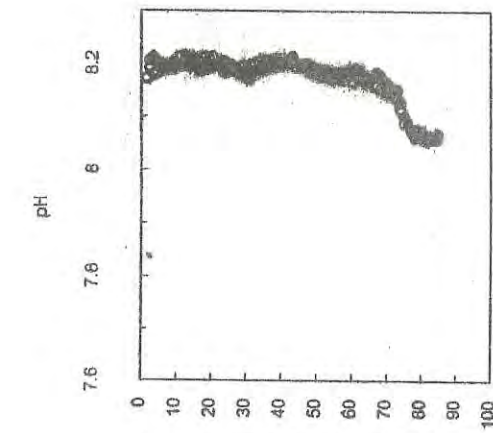
Station 013

o = Up-cast

● = Down-cast

o = Up-cast

● = Down-cast

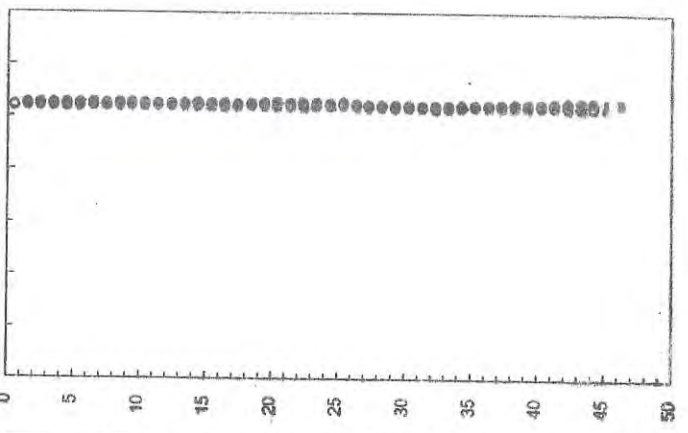
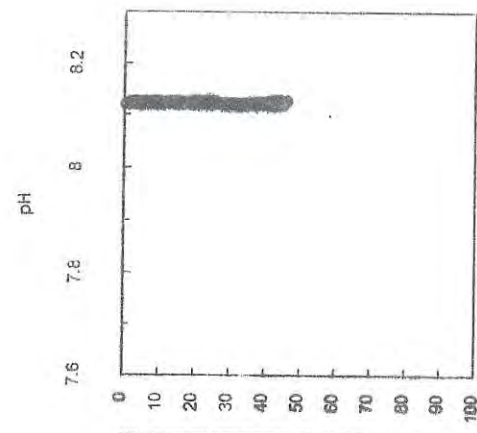


Station 020

o = Up-cast

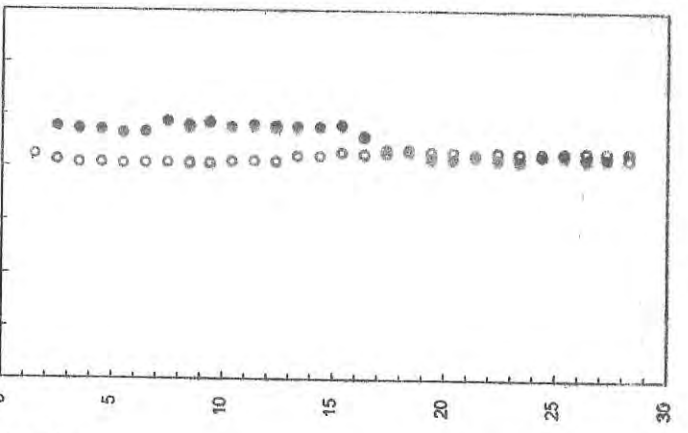
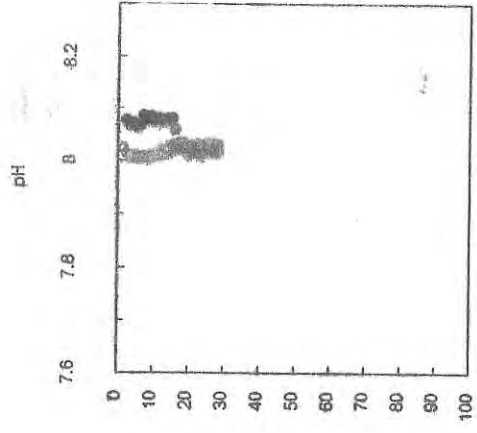
Station 019

● = Down-cast



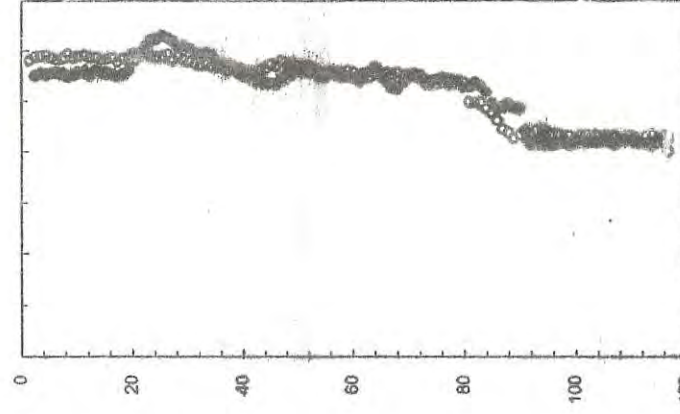
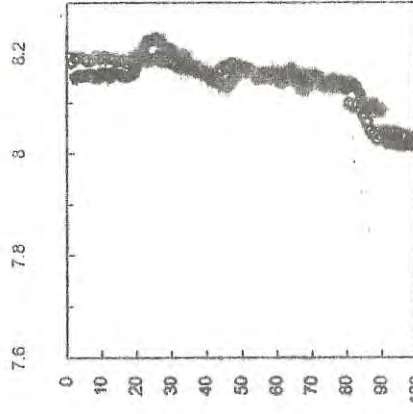
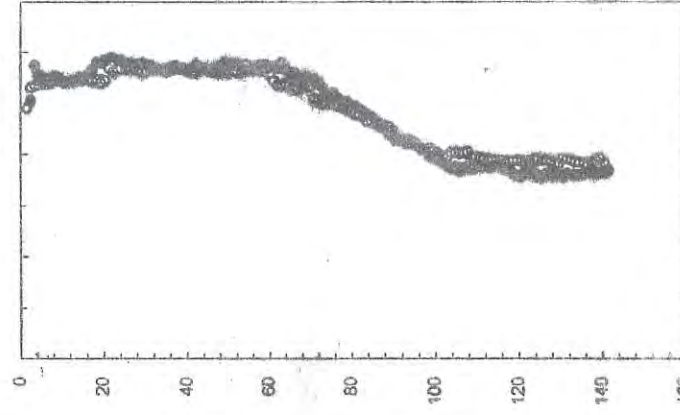
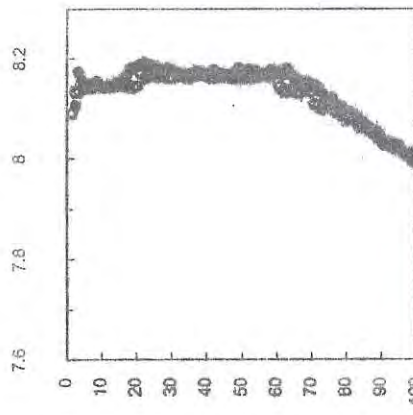
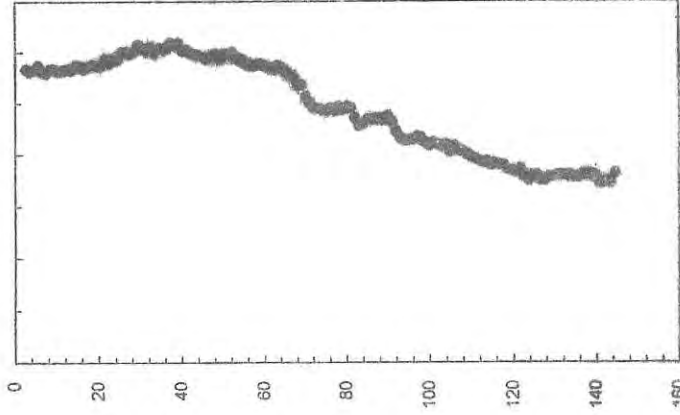
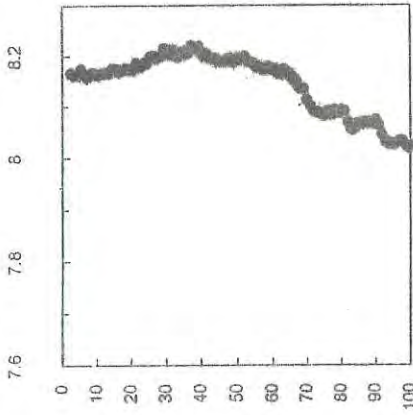
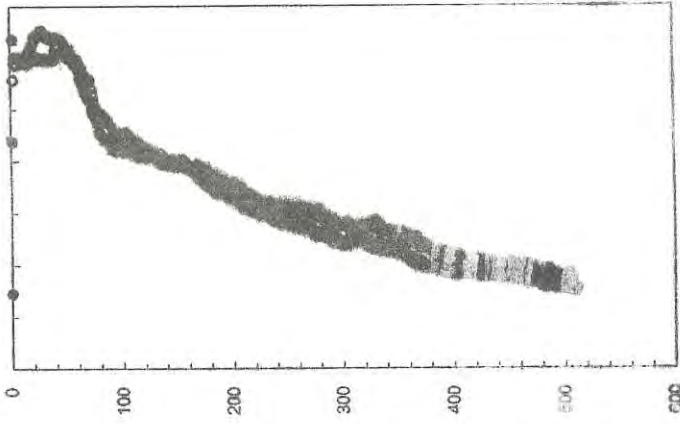
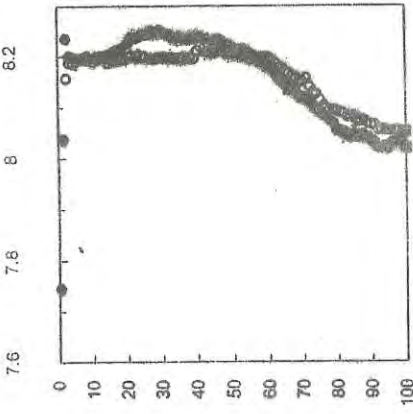
Station 018

o = Up-cast



Station 017

● = Down-cast



Station 024

Station 023

Station 022

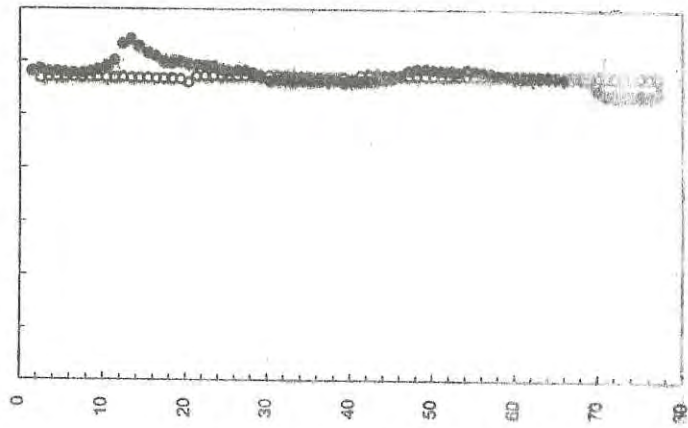
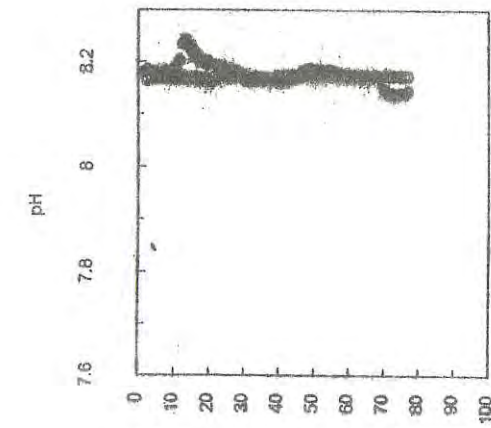
Station 021

○ = Up-cast

● = Down-cast

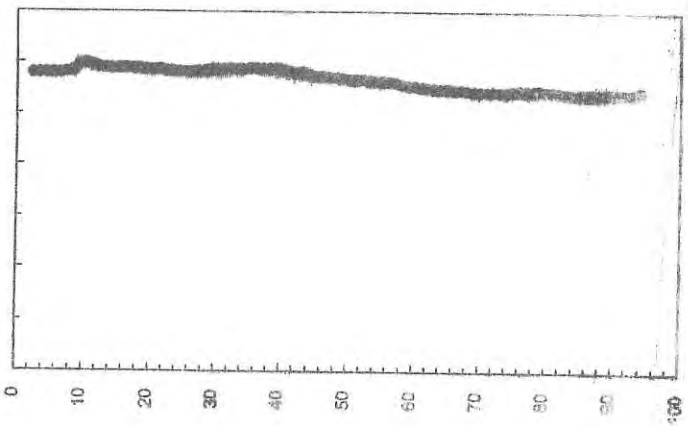
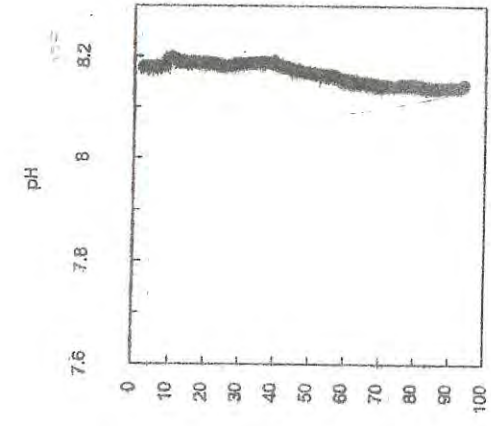
○ = Up-cast

● = Down-cast



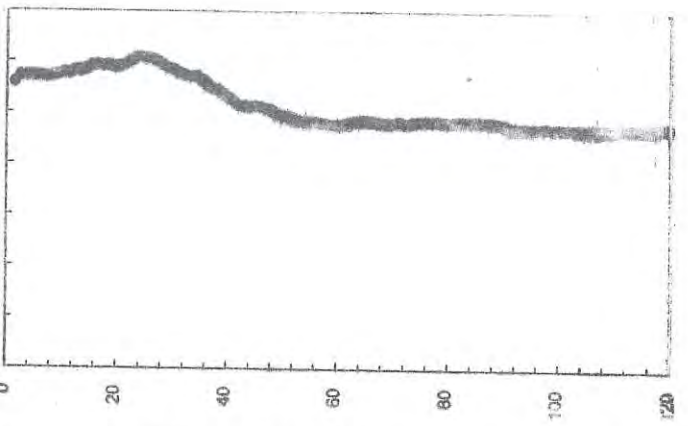
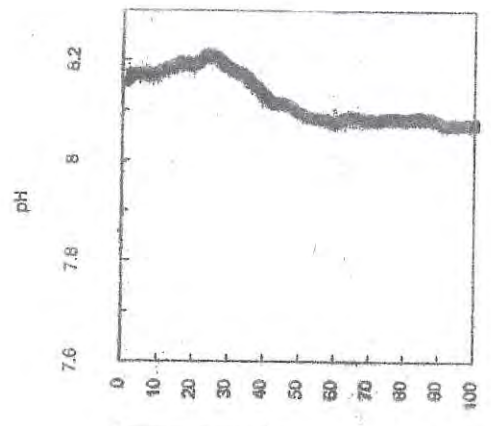
Station 026

○ = Up-cast



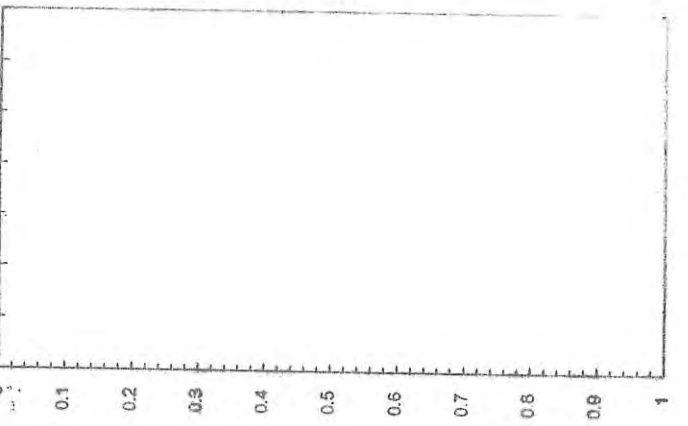
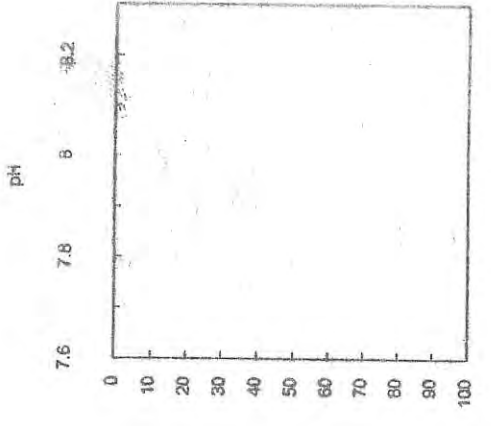
Station 027

● = Down-cast



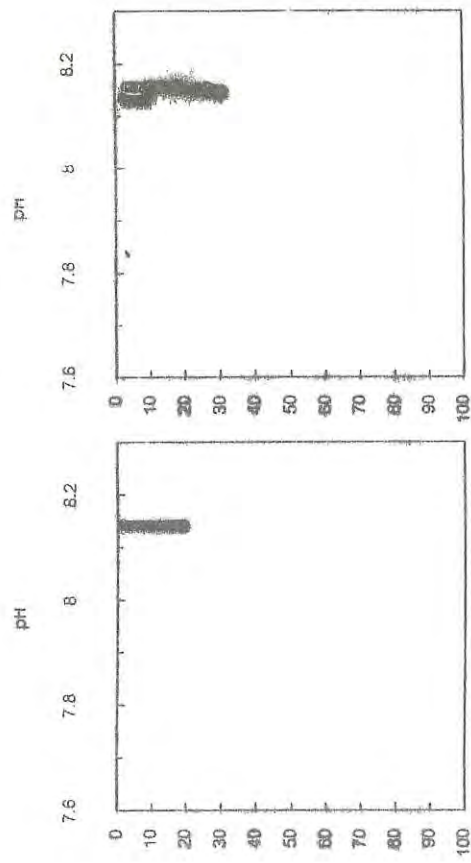
Station 026

○ = Up-cast

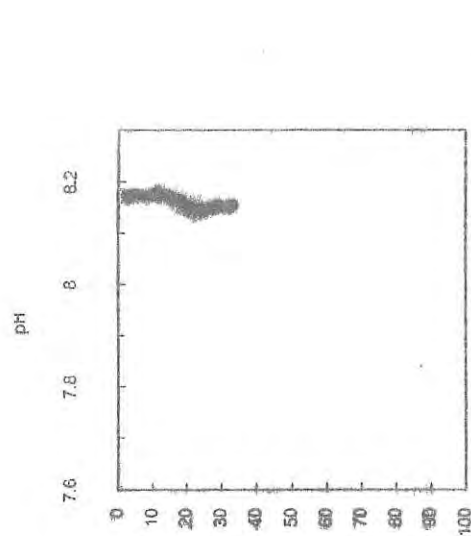


Station 025

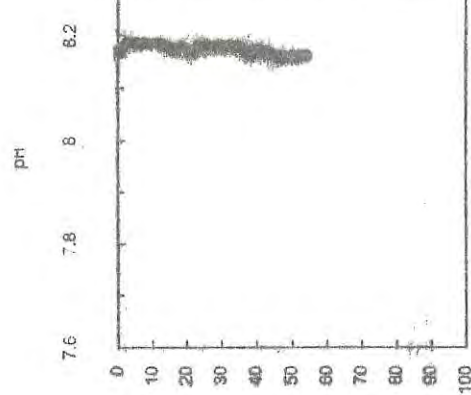
● = Down-cast



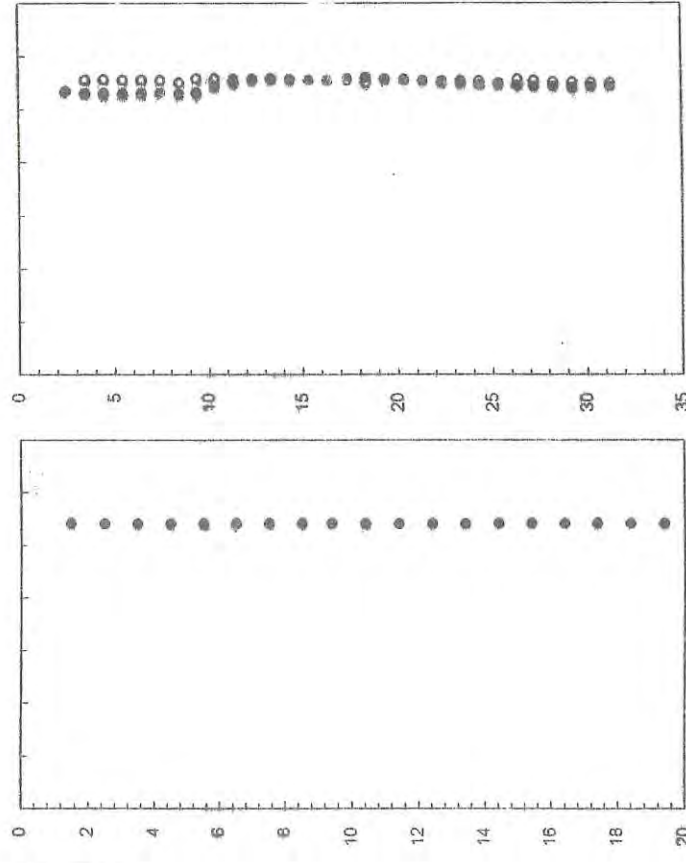
Station 031



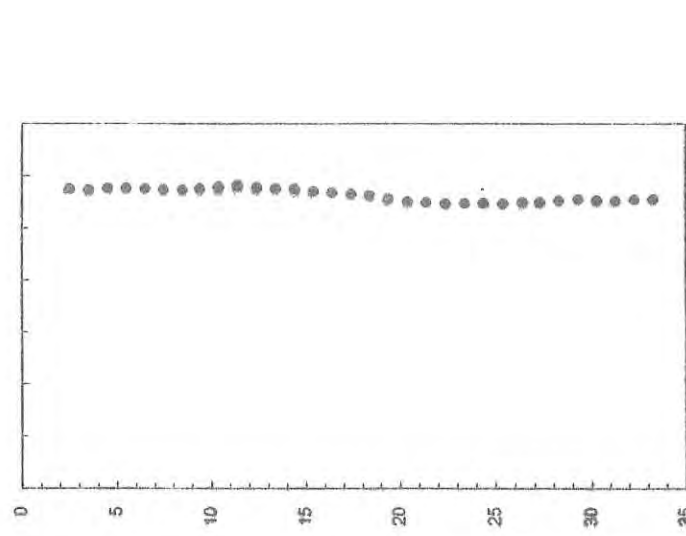
Station 030



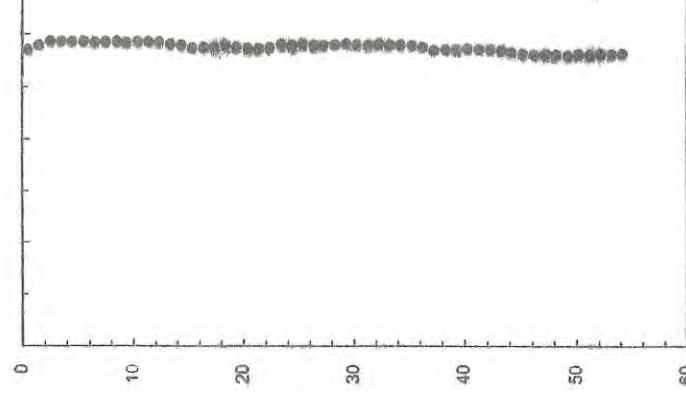
Station 029



Station 031



Station 030



Station 029

Station 032

Station 031

Station 030

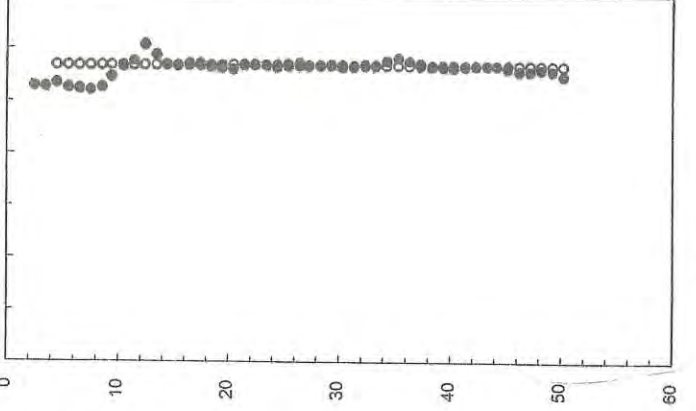
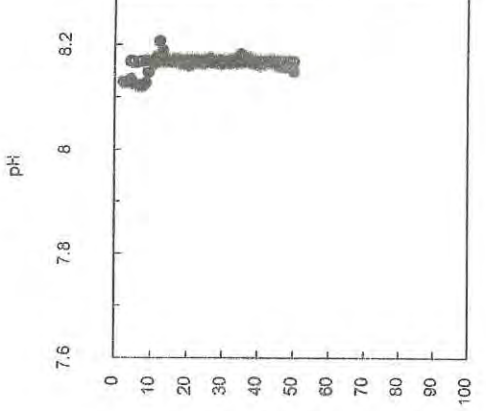
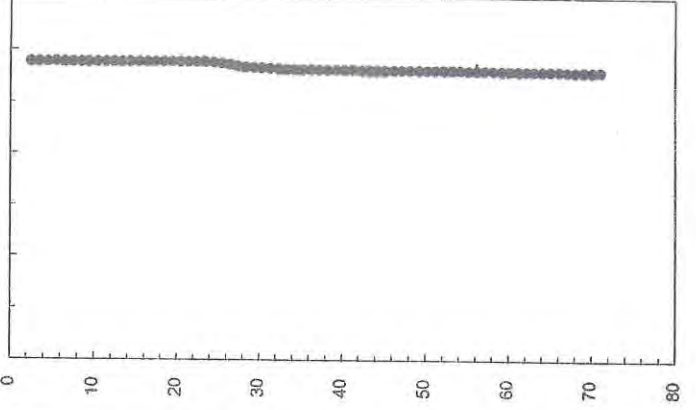
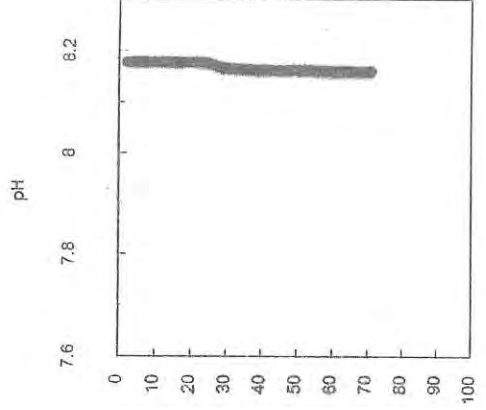
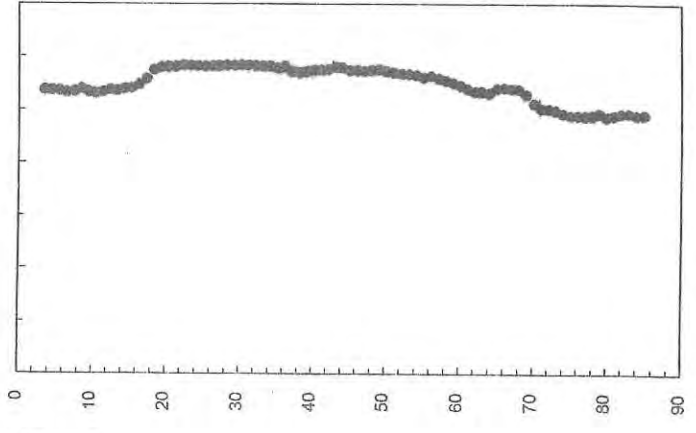
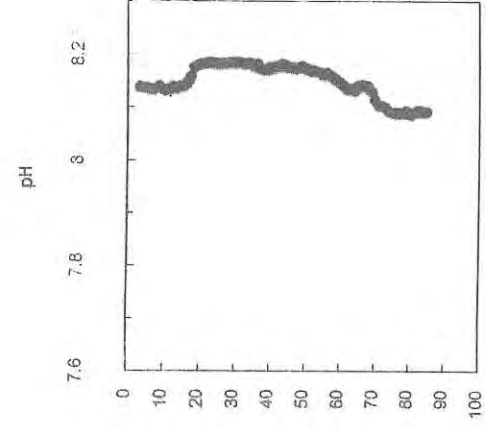
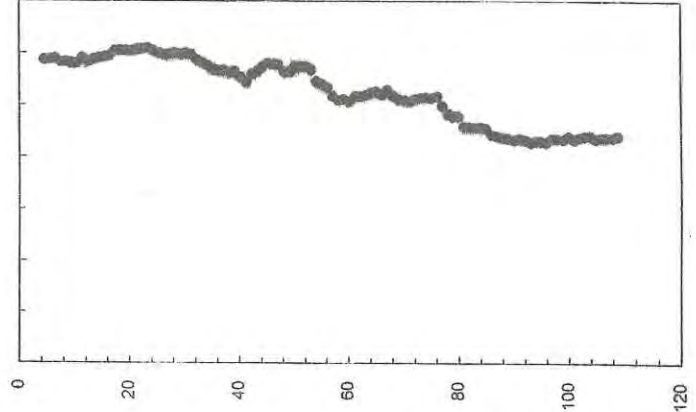
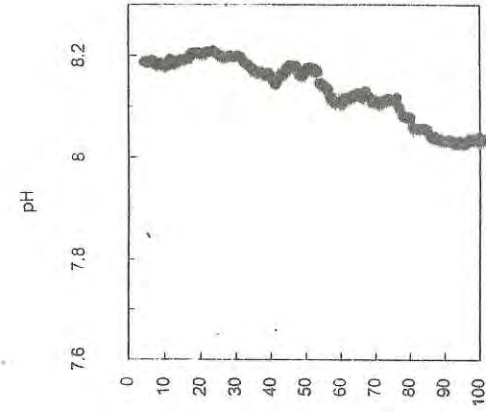
Station 029

o = Up-cast

● = Down-cast

o = Up-cast

● = Down-cast



Station 036

Station 035

Station 034

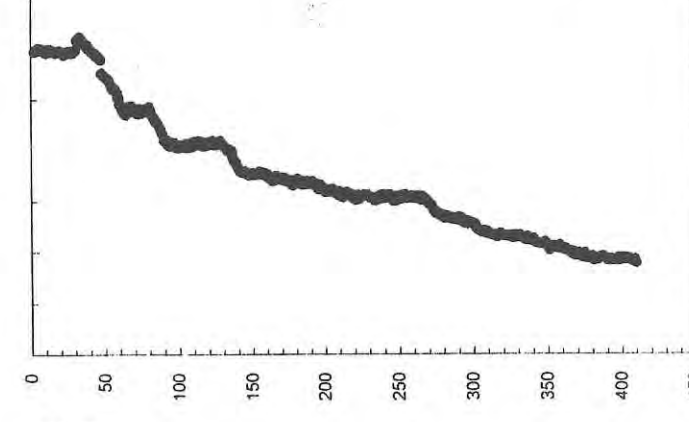
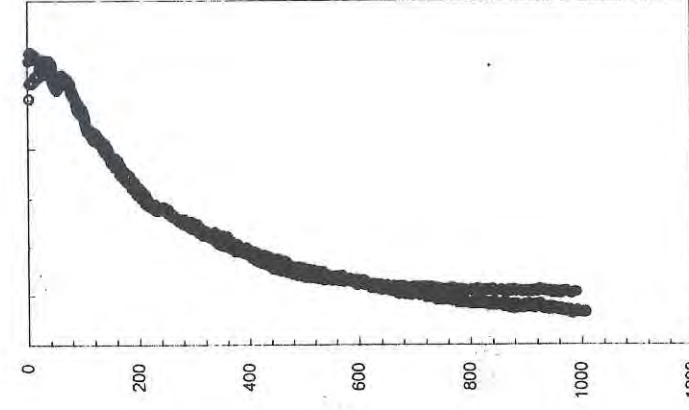
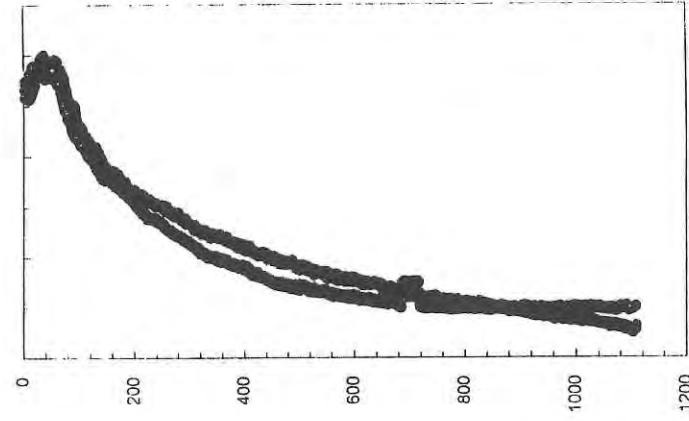
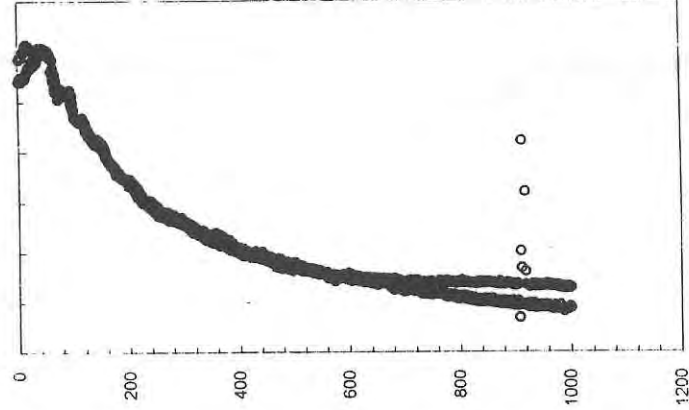
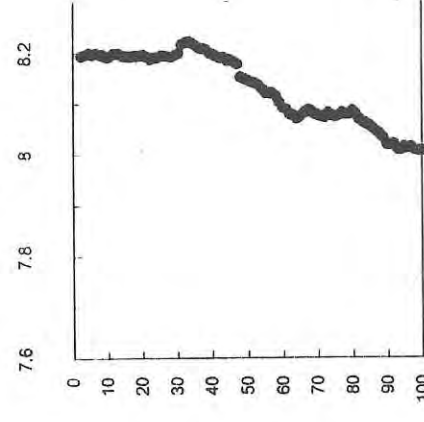
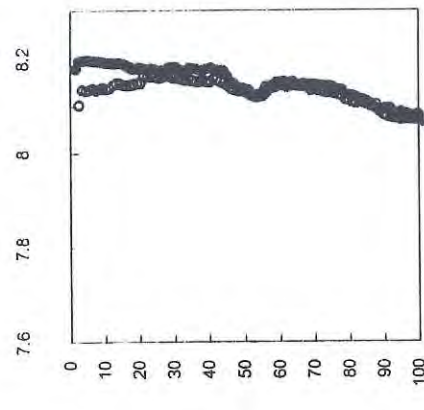
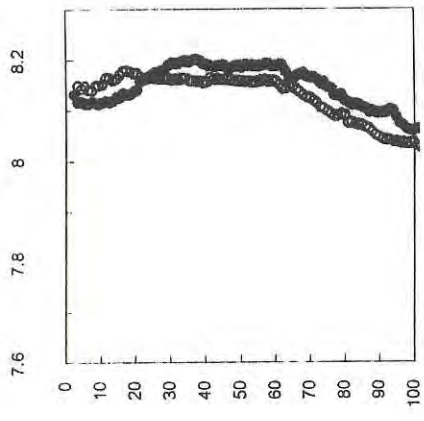
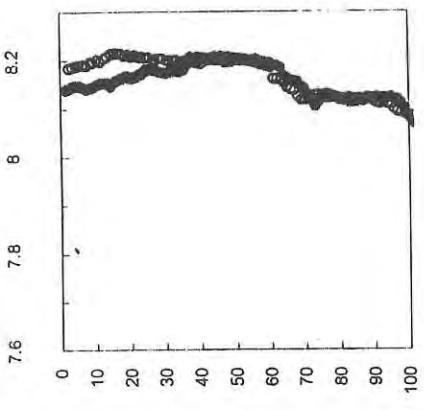
Station 033

o = Up-cast

● = Down-cast

o = Up-cast

● = Down-cast



Station 040

Station 039

Station 038

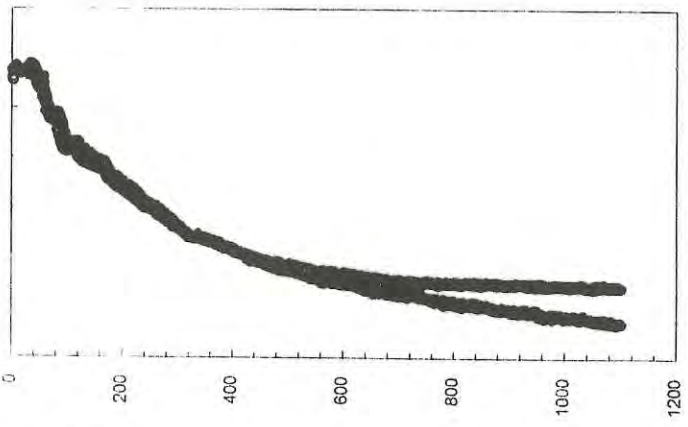
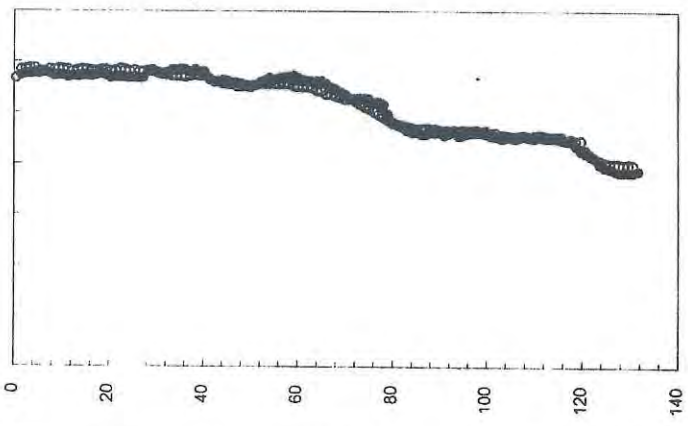
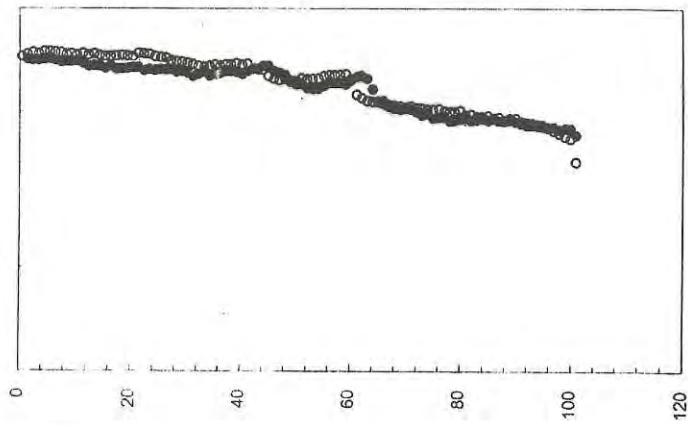
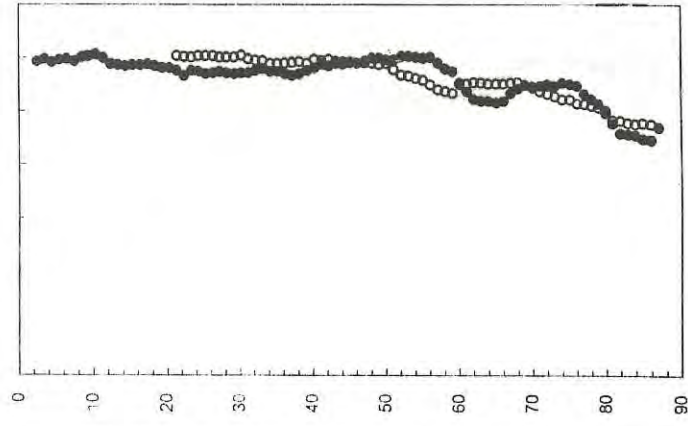
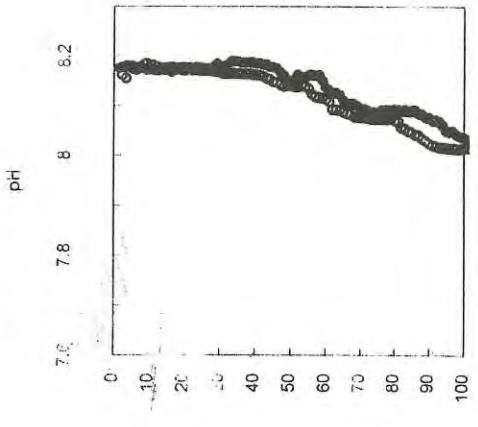
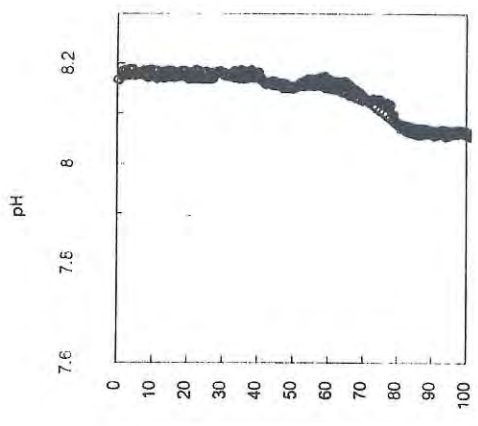
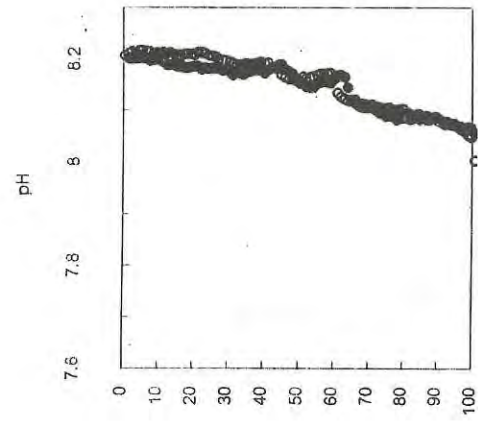
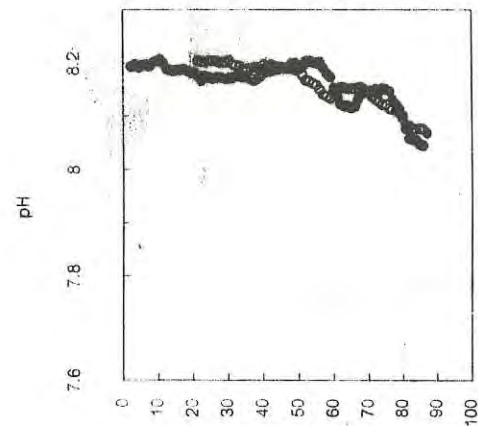
Station 037

o = Up-cast

● = Down-cast

o = Up-cast

● = Down-cast



Station 041

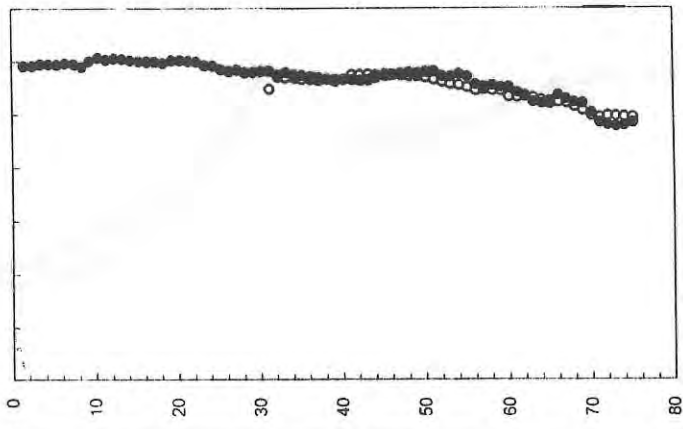
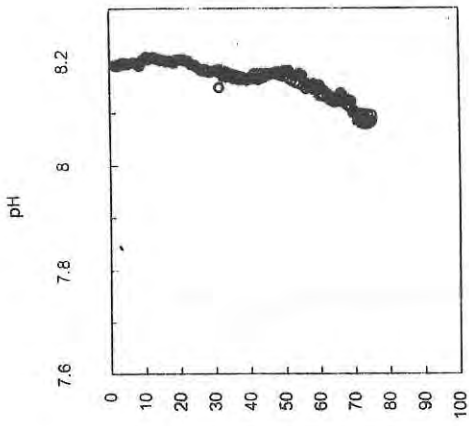
Station 042

Station 043

Station 044

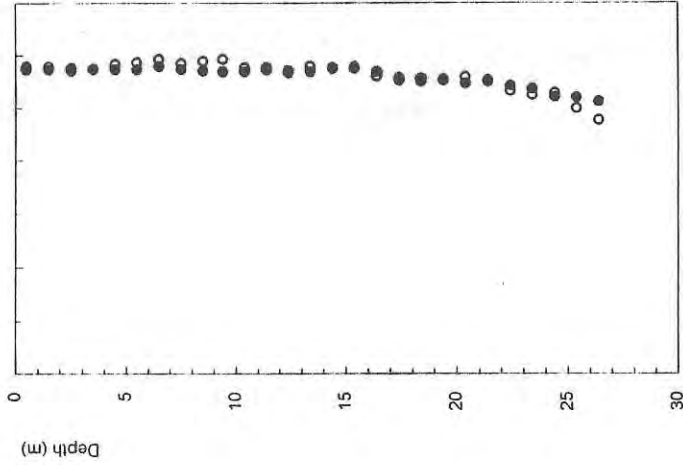
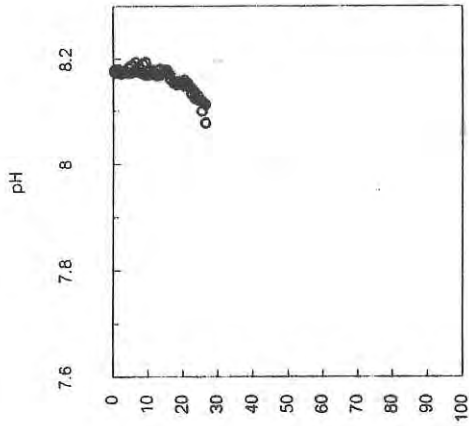
● = Down-cast

○ = Up-cast



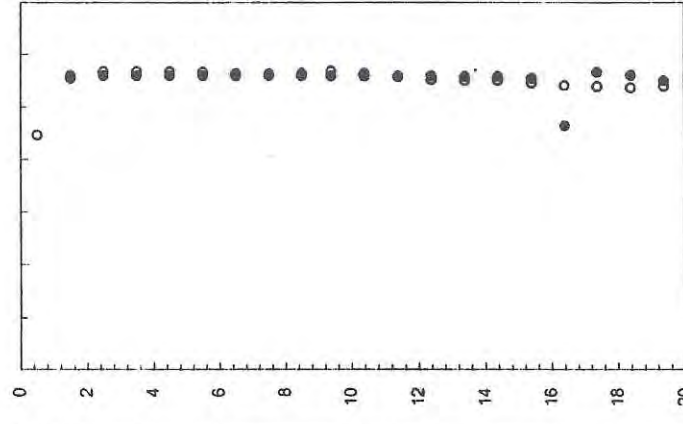
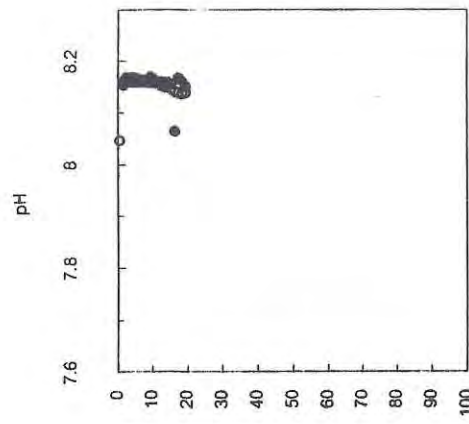
Station 048

○ = Up-cast



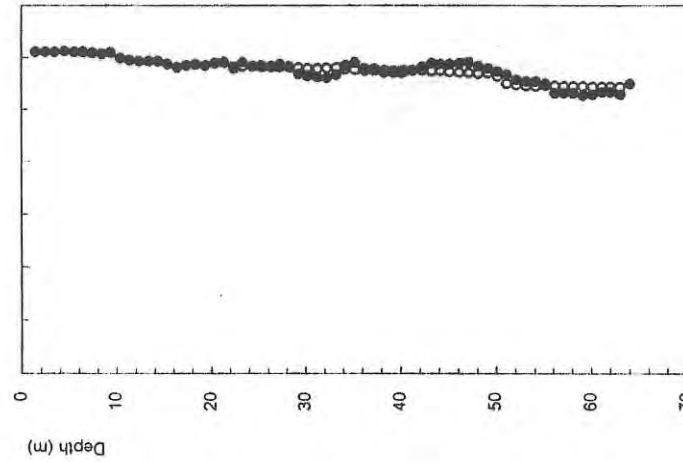
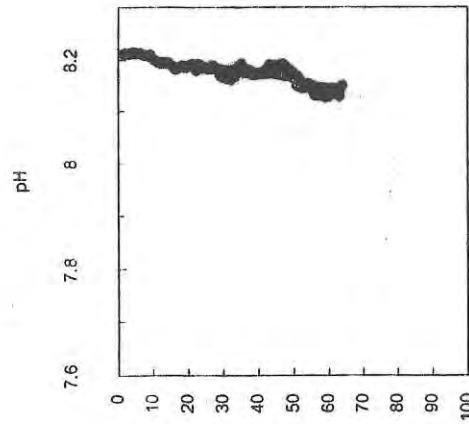
Station 047

● = Down-cast



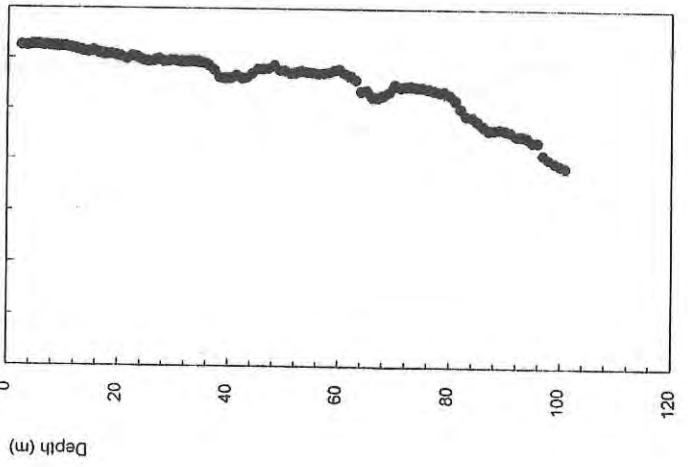
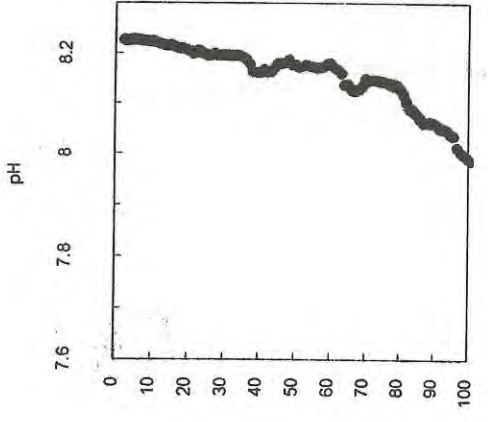
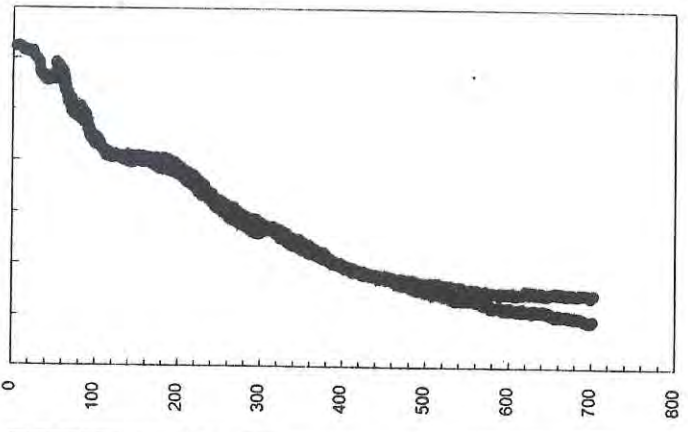
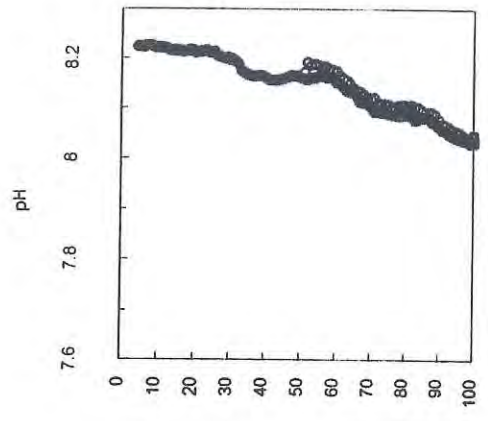
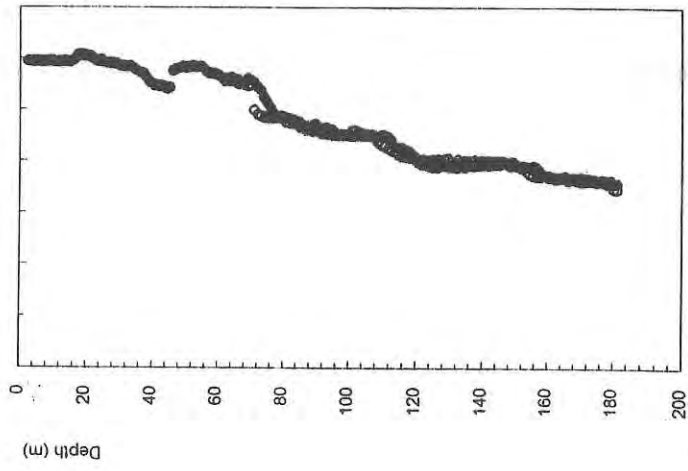
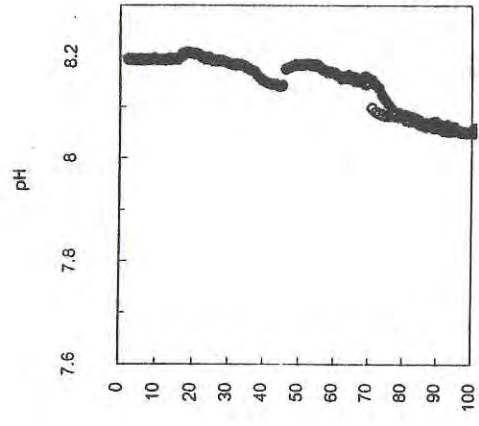
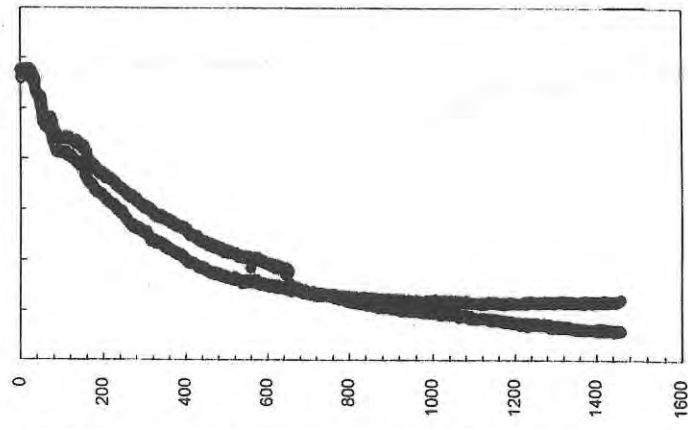
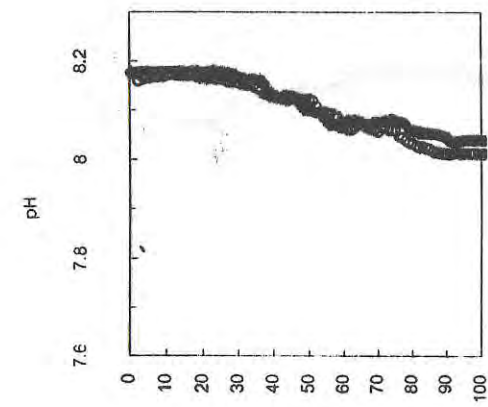
Station 046

○ = Up-cast



Station 045

● = Down-cast



Station 052

Station 051

Station 050

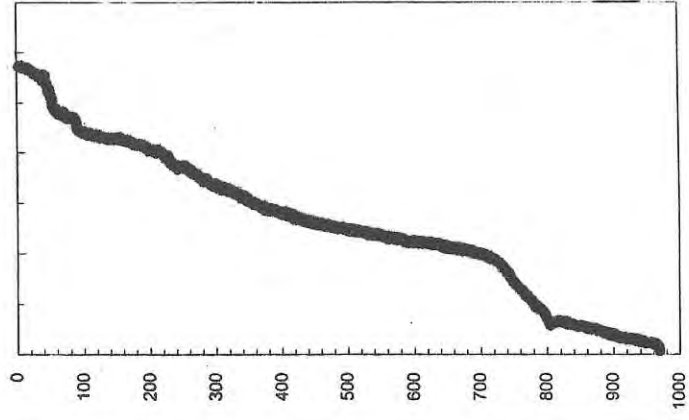
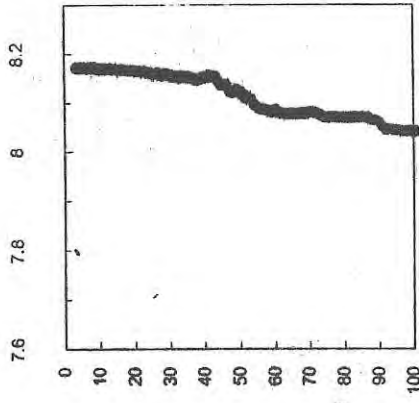
Station 049

o = Up-cast

● = Down-cast

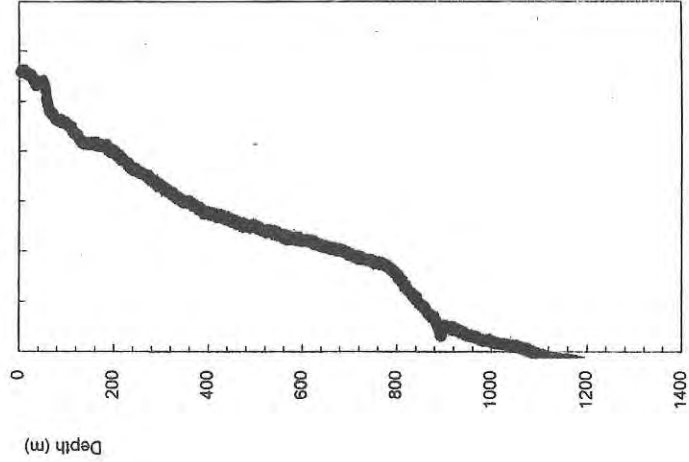
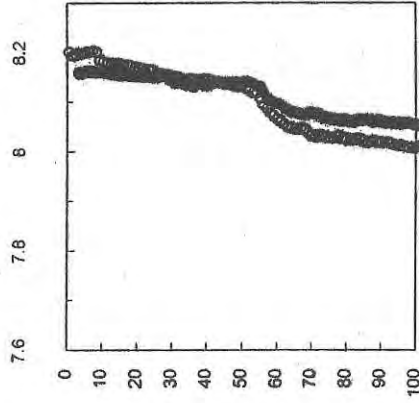
o = Up-cast

● = Down-cast



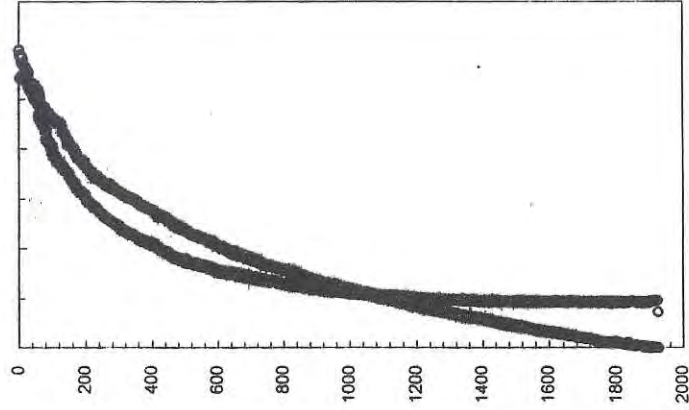
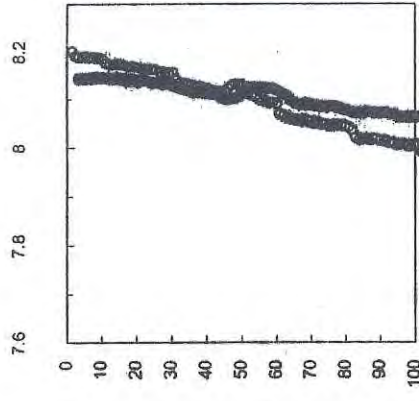
Station 056

o = Up-cast



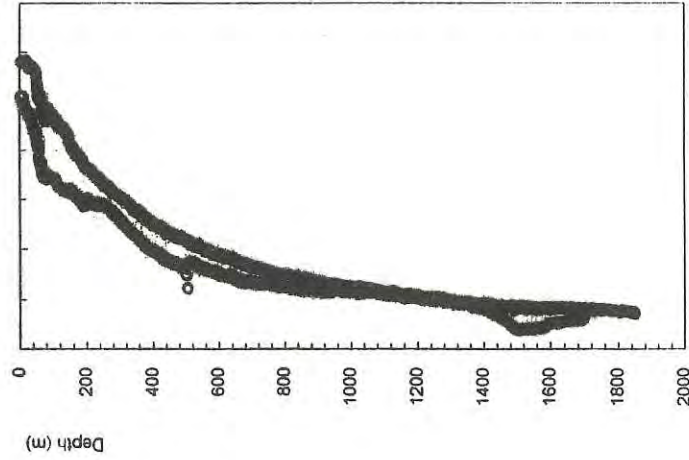
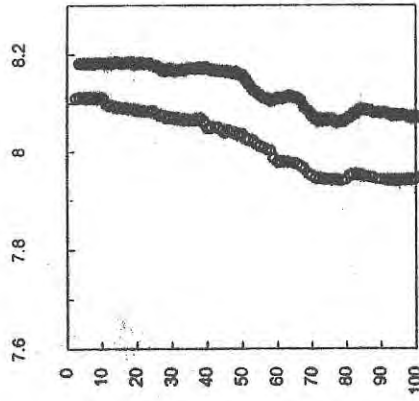
Station 055

● = Down-cast



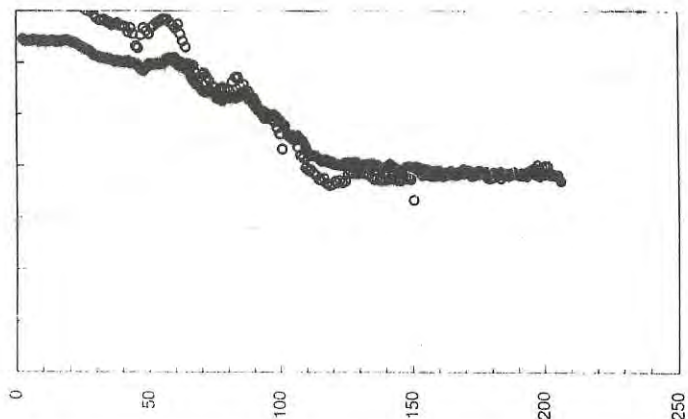
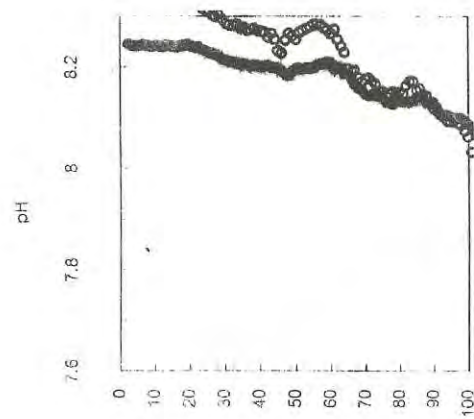
Station 054

o = Up-cast



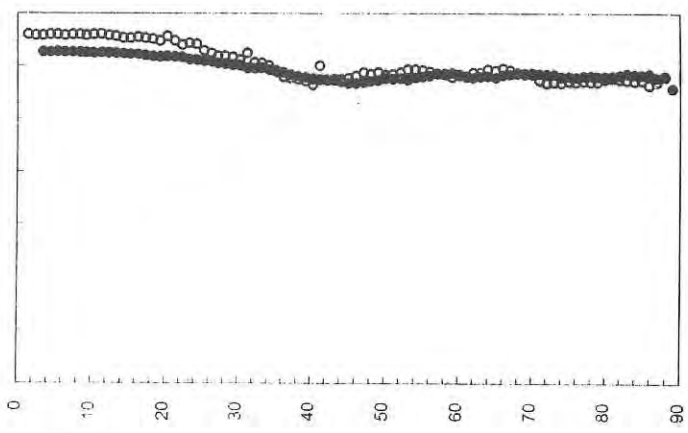
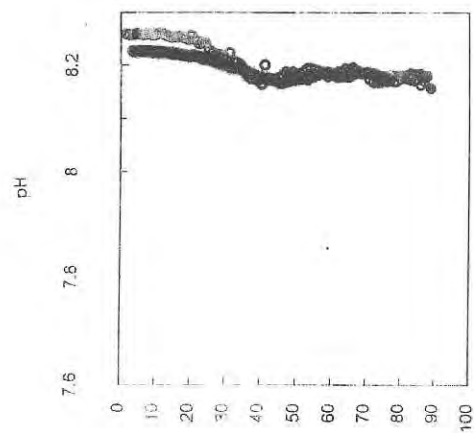
Station 053

● = Down-cast



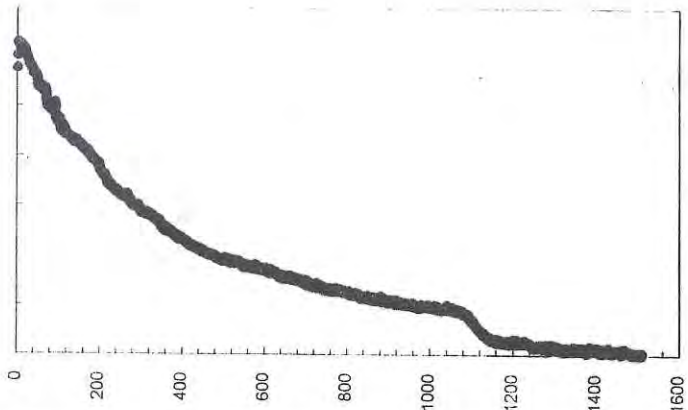
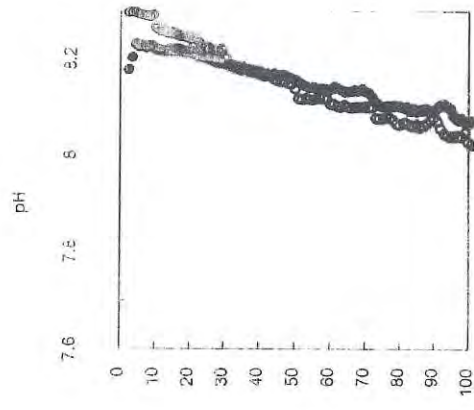
Station 060

○ = Up-cast



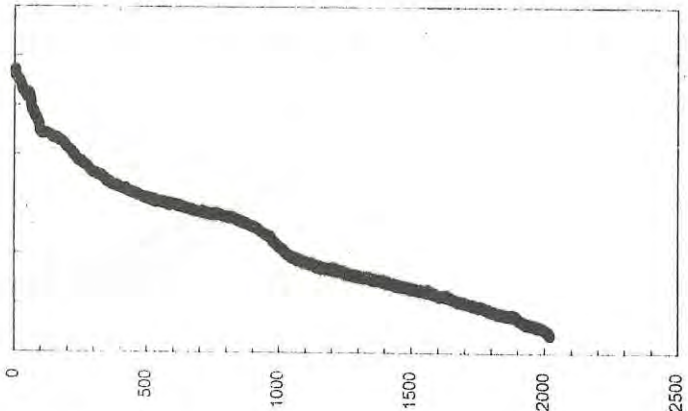
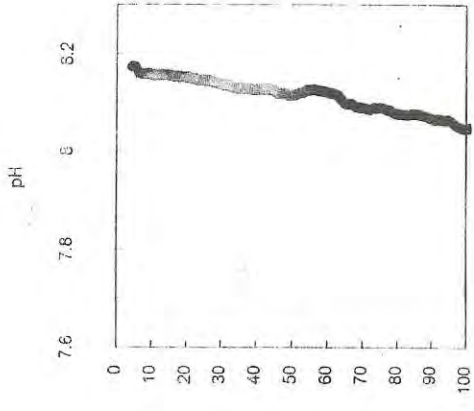
Station 059

● = Down-cast



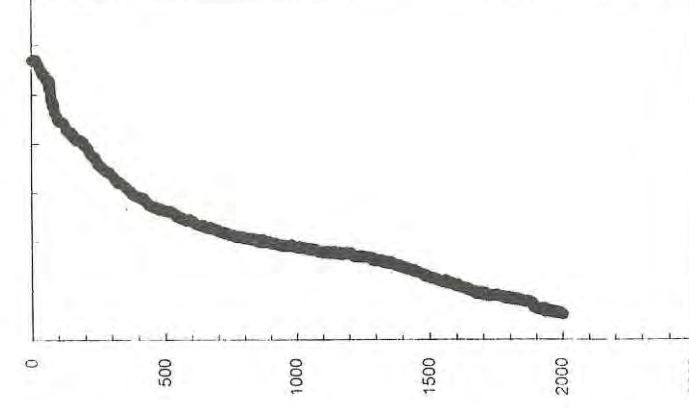
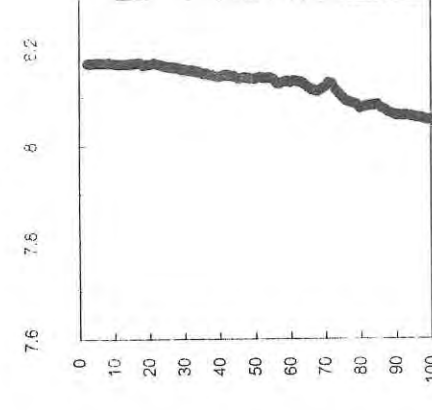
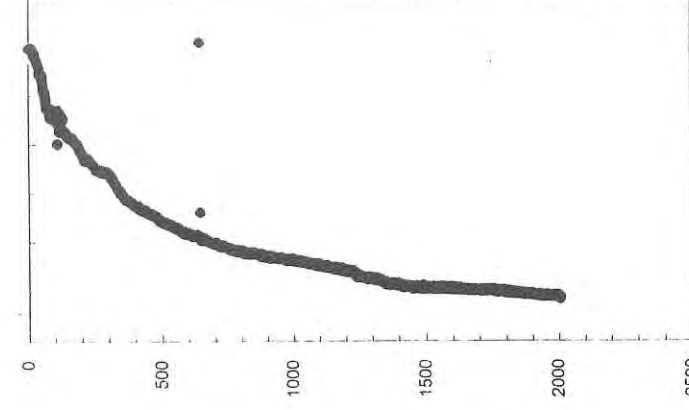
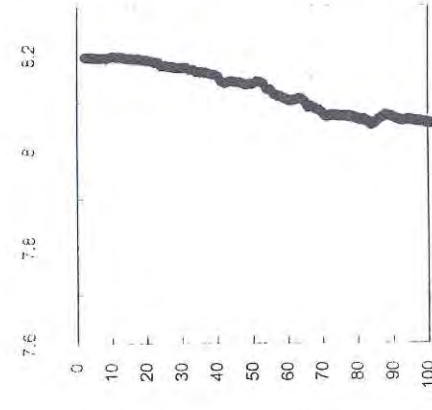
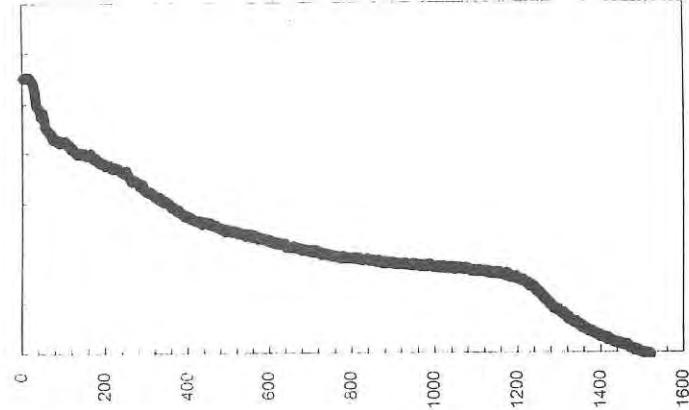
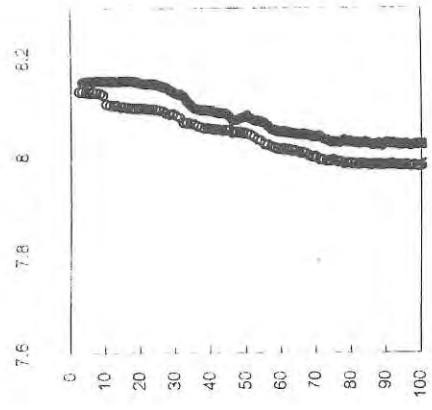
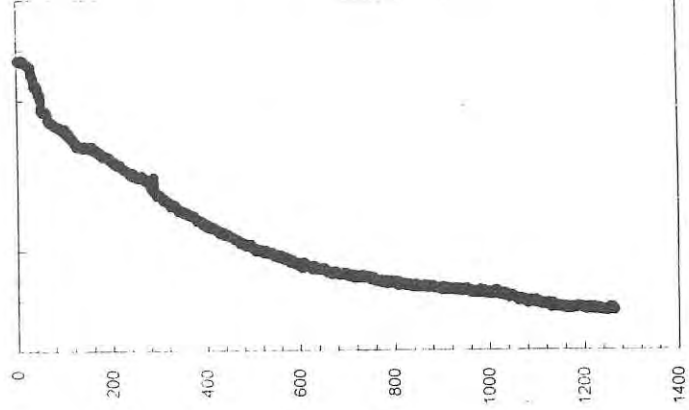
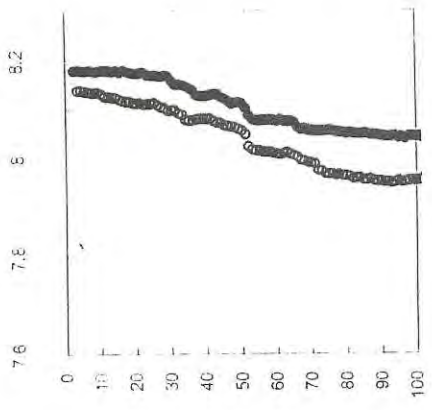
Station 058

○ = Up-cast



Station 057

● = Down-cast



Station 064

Station 063

Station 062

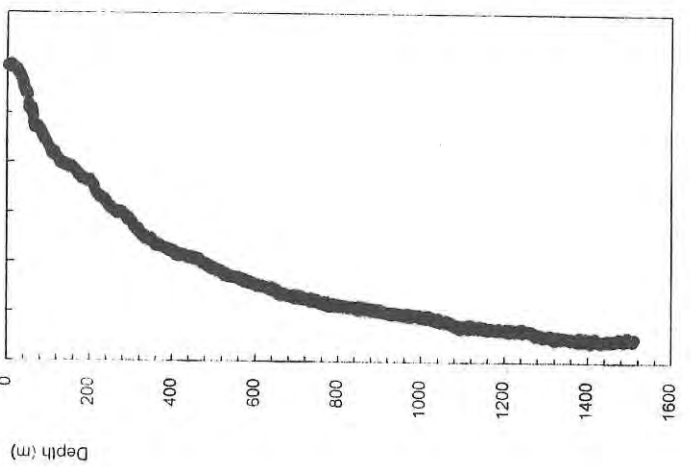
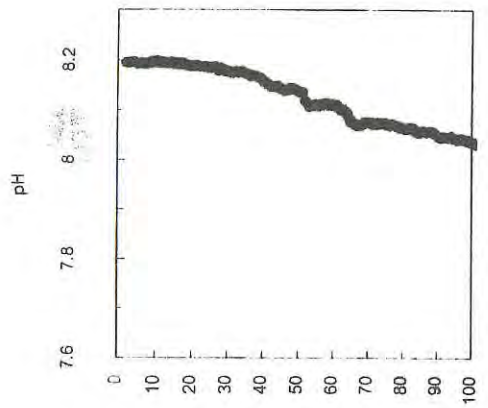
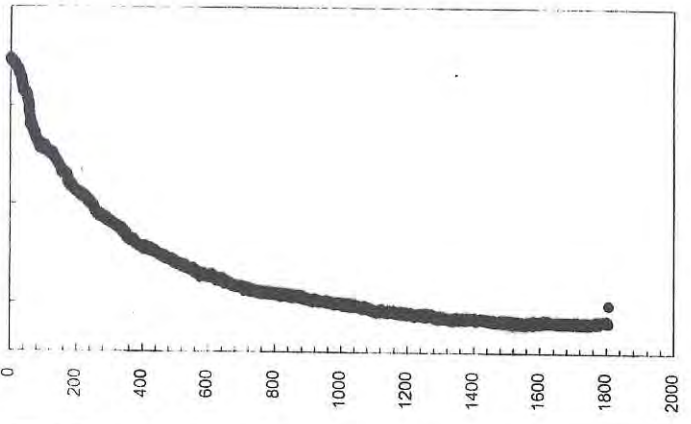
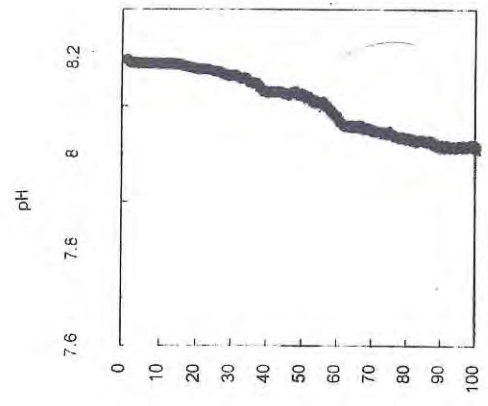
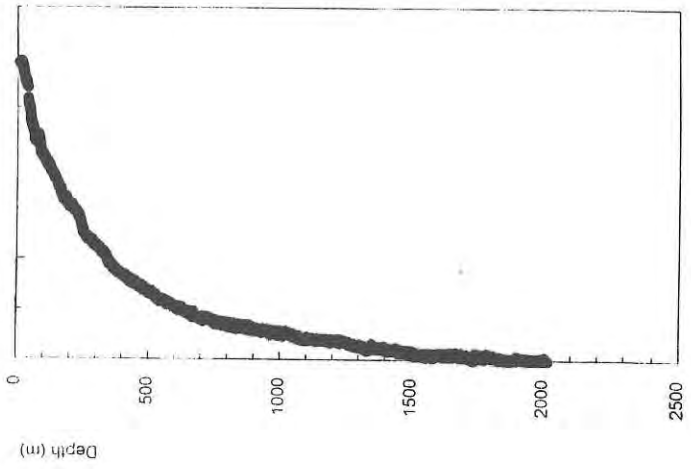
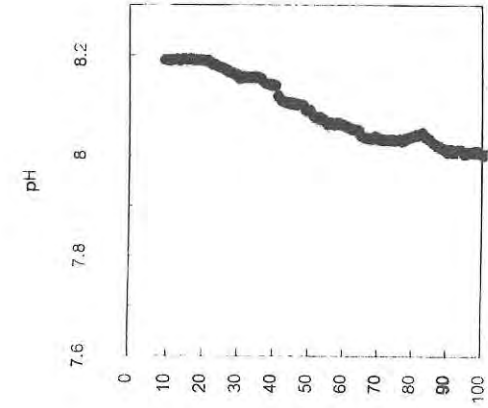
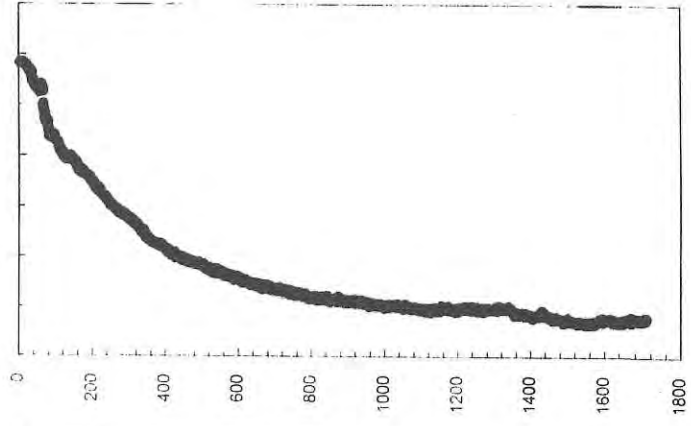
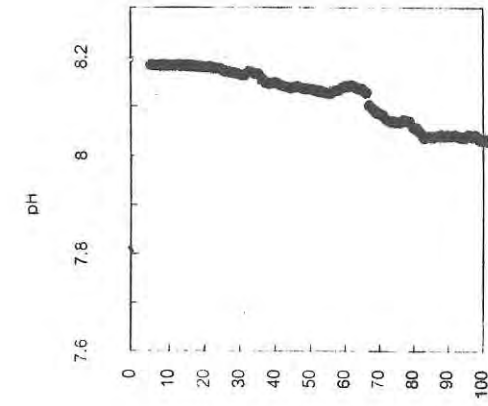
Station 061

o = Up-cast

● = Down-cast

o = Up-cast

● = Down-cast



Station 068

Station 067

Station 066

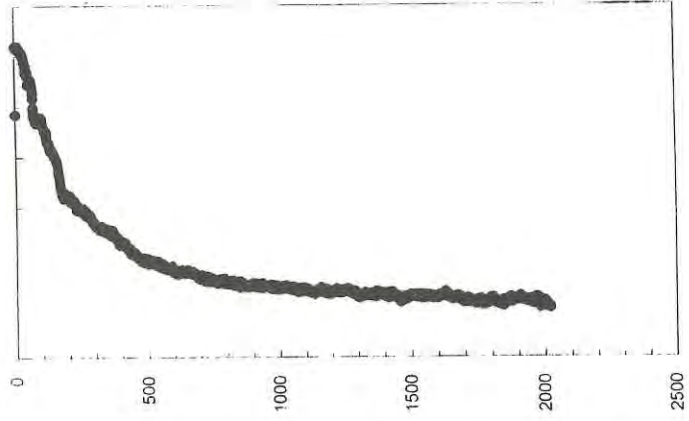
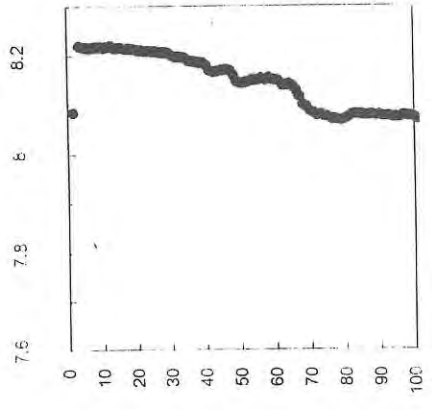
Station 065

o = Up-cast

● = Down-cast

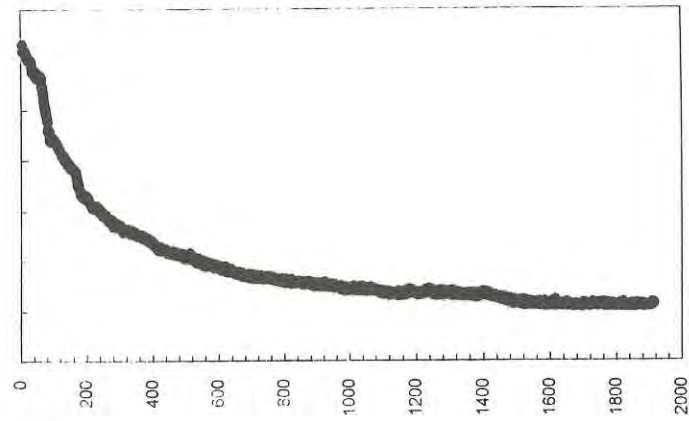
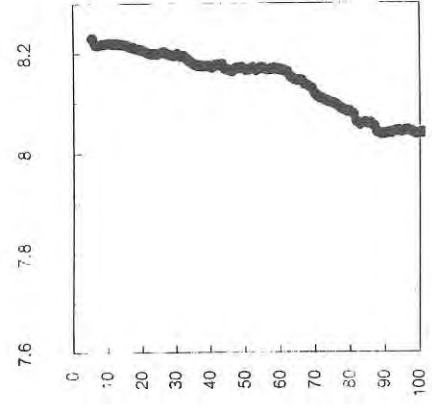
o = Up-cast

● = Down-cast



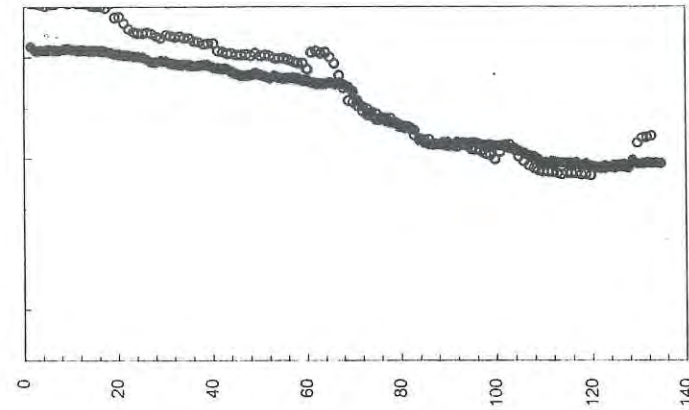
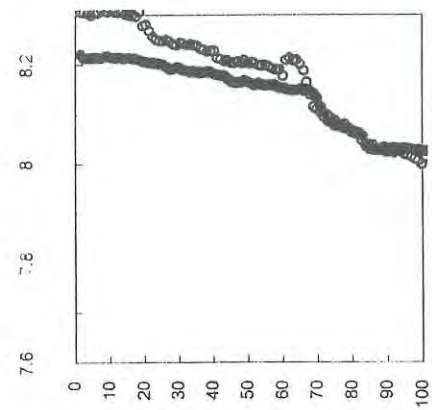
Station 072

o = Up-cast



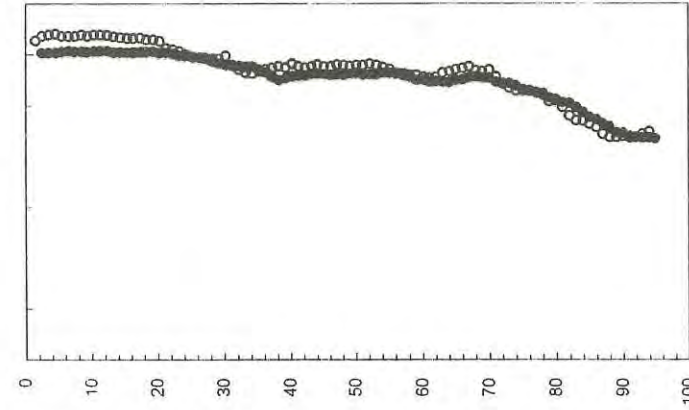
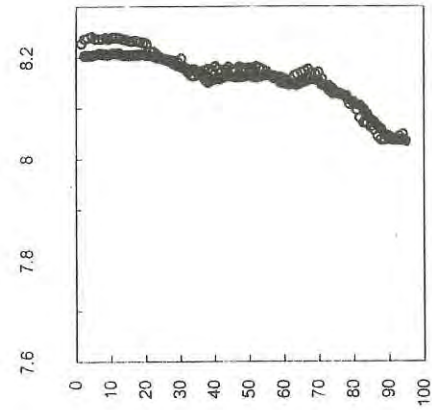
Station 071

● = Down-cast



Station 070

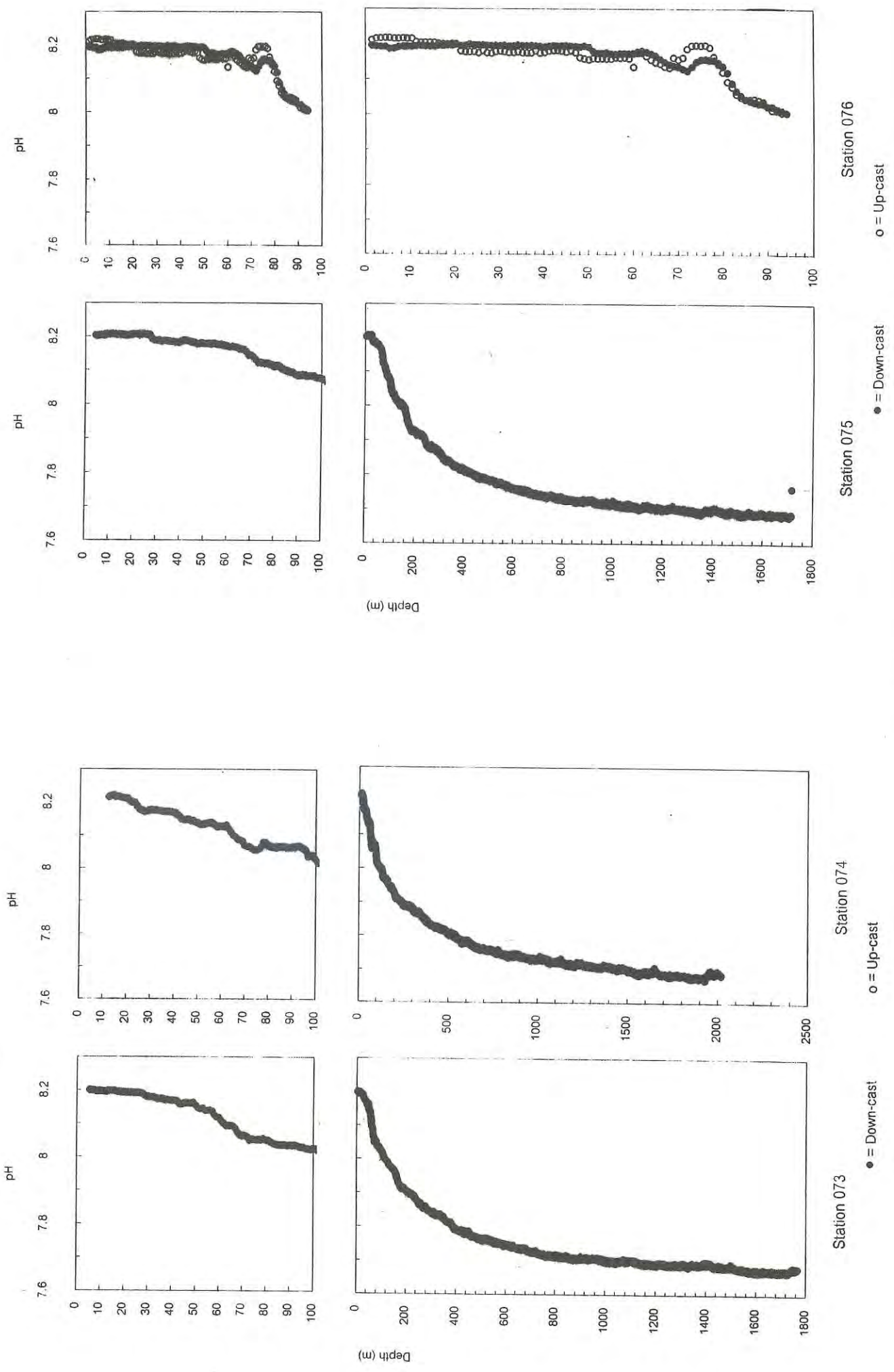
o = Up-cast

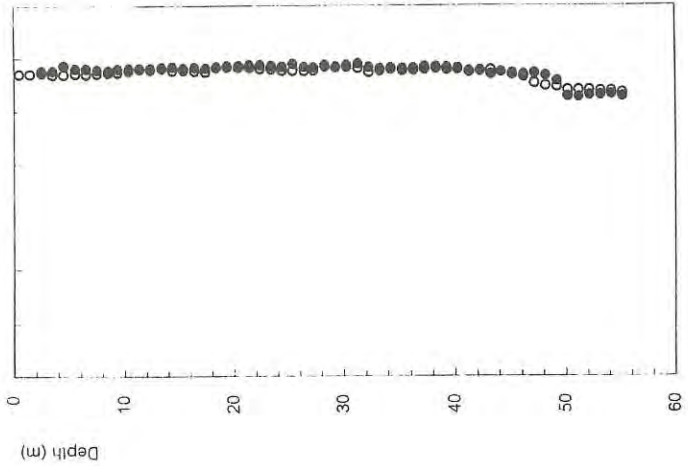
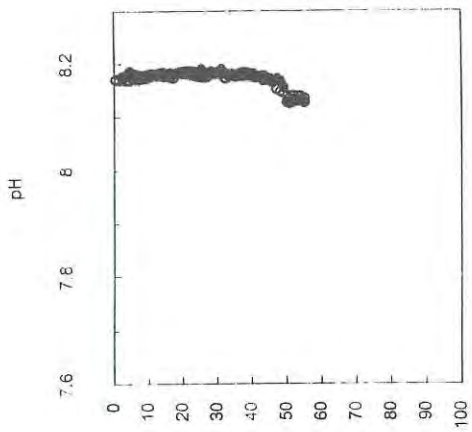


Station 069

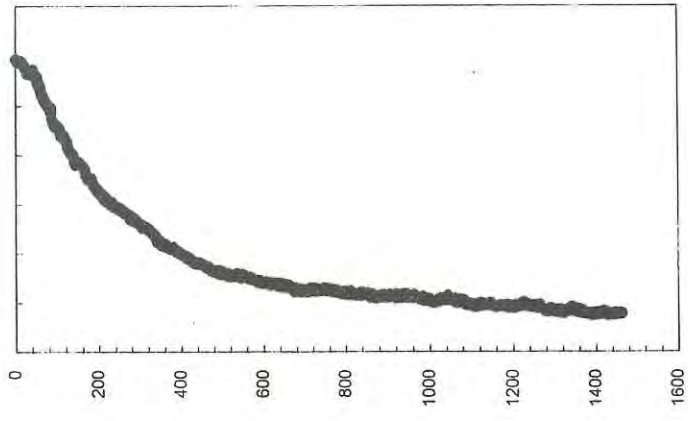
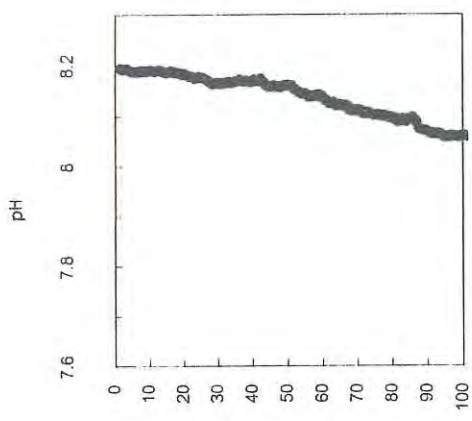
● = Down-cast

Depth (m)

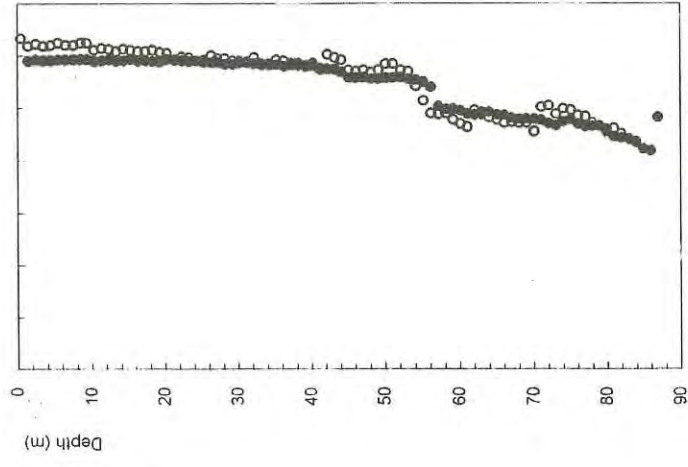
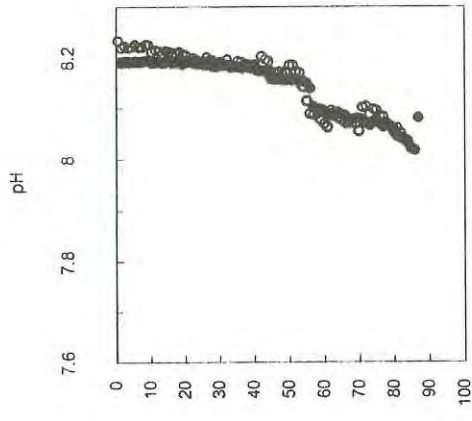




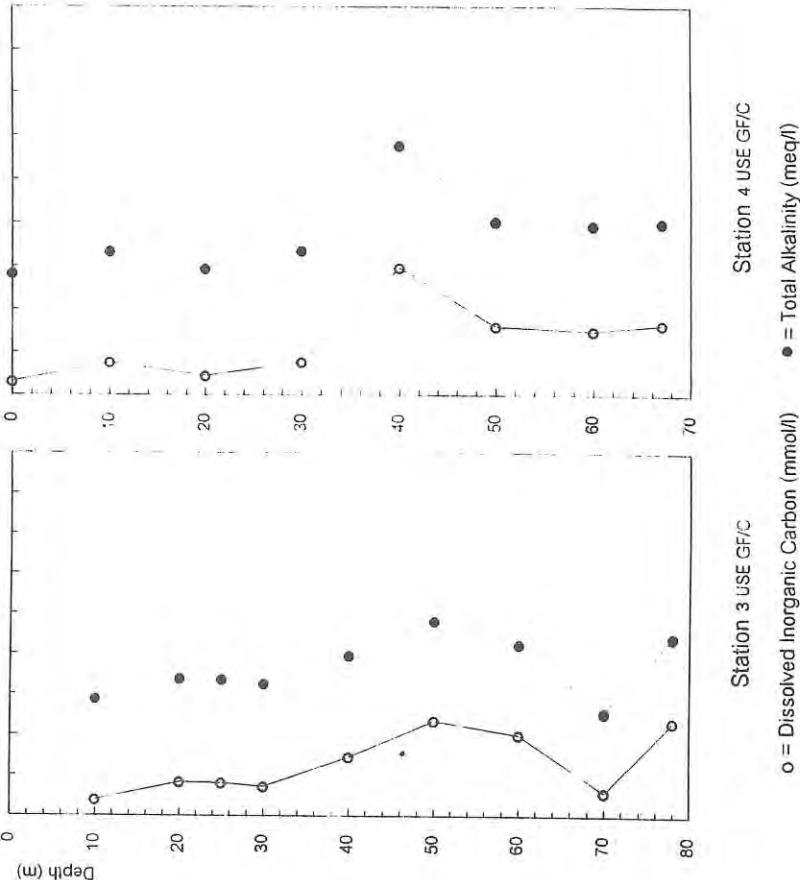
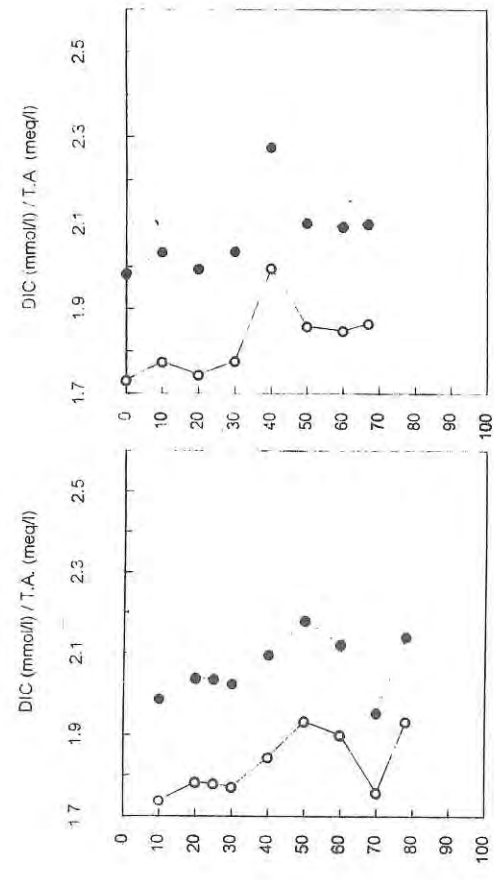
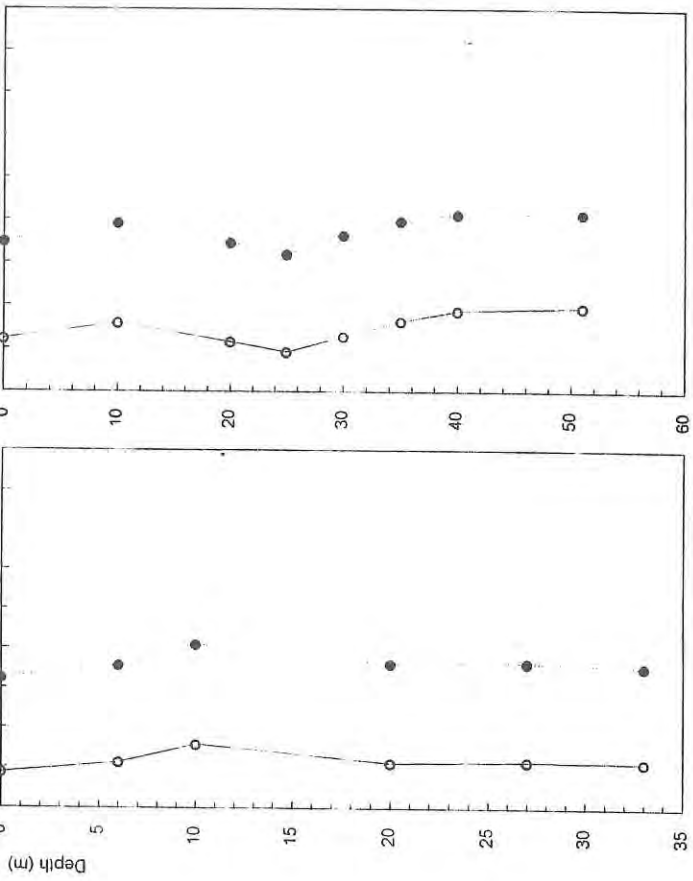
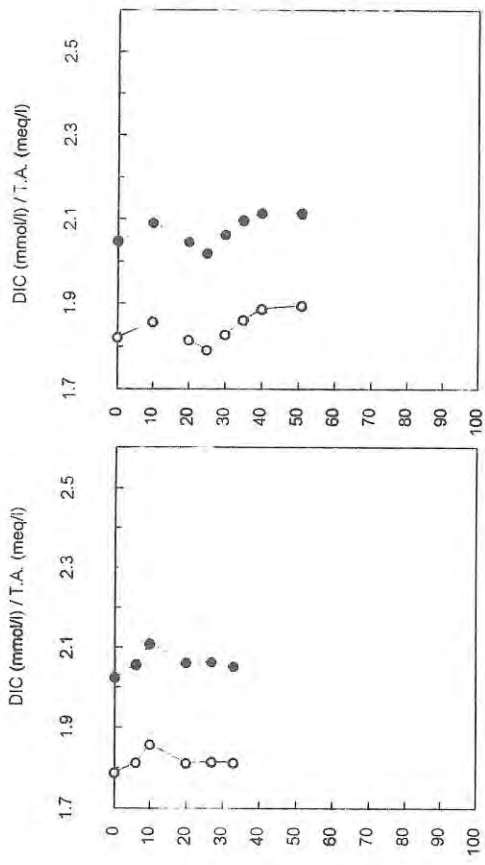
Station 079
 ● = Down-cast ○ = Up-cast



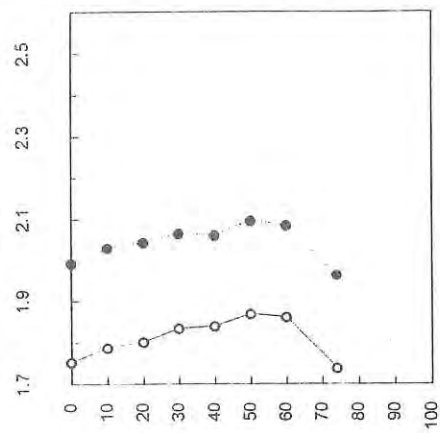
Station 078
 ○ = Up-cast



Station 077
 ● = Down-cast



DIC (mmol/L) / T.A. (meq/L)

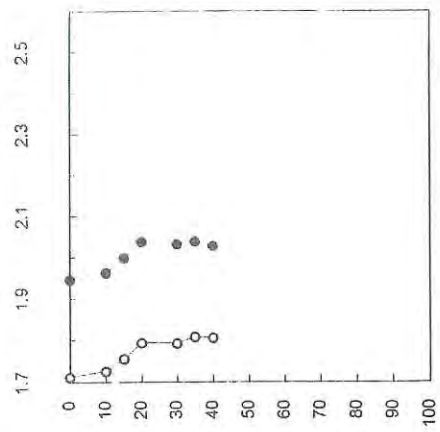


Station 5 USE GFC

o = Dissolved Inorganic Carbon (mmol/L)

● = Total Alkalinity (meq/L)

DIC (mmol/L) / T.A. (meq/L)

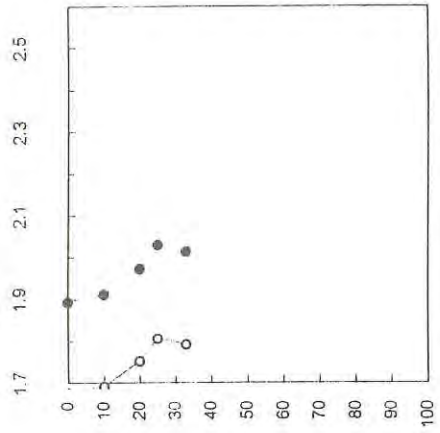


Station 6 USE GFC

o = Dissolved Inorganic Carbon (mmol/L)

● = Total Alkalinity (meq/L)

DIC (mmol/L) / T.A. (meq/L)

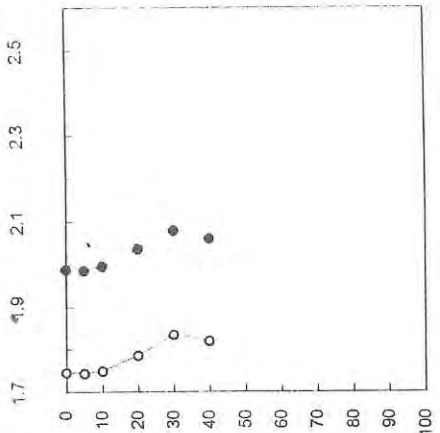


Station 7 USE GFC

o = Dissolved Inorganic Carbon (mmol/L)

● = Total Alkalinity (meq/L)

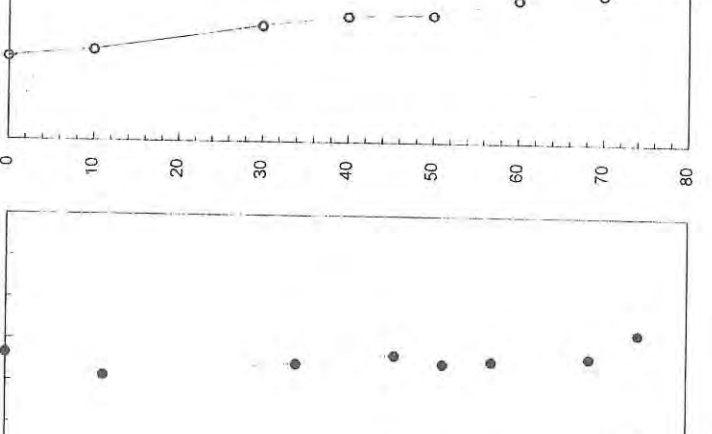
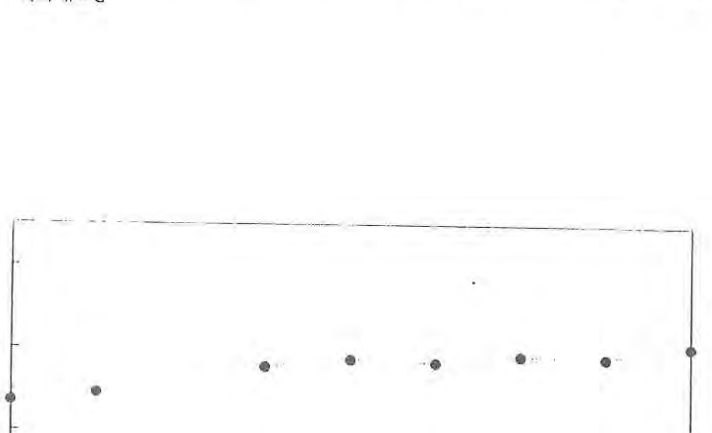
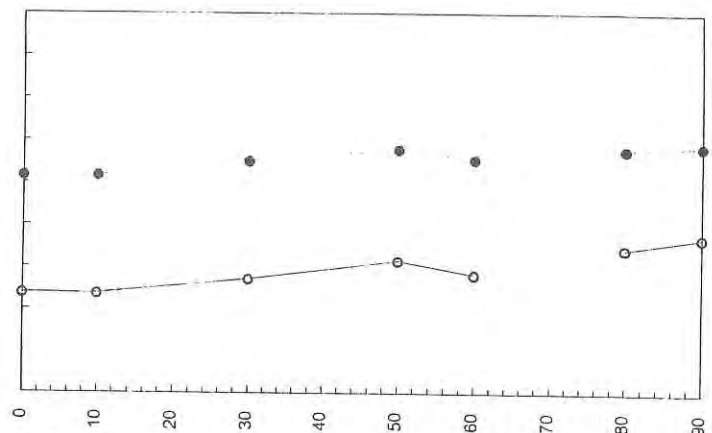
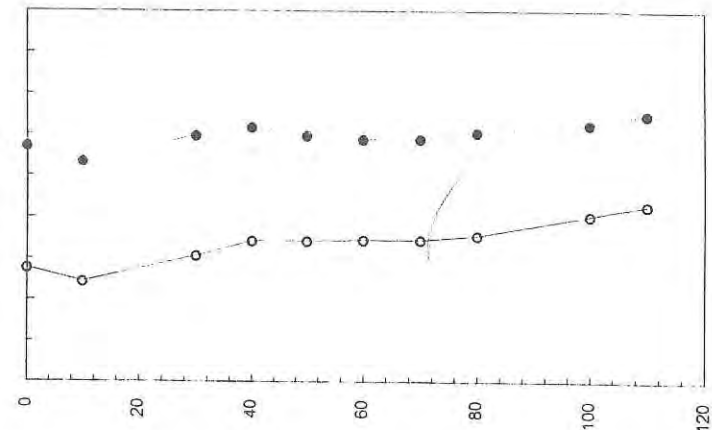
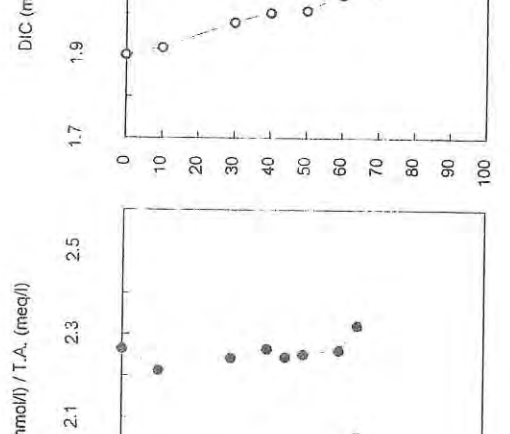
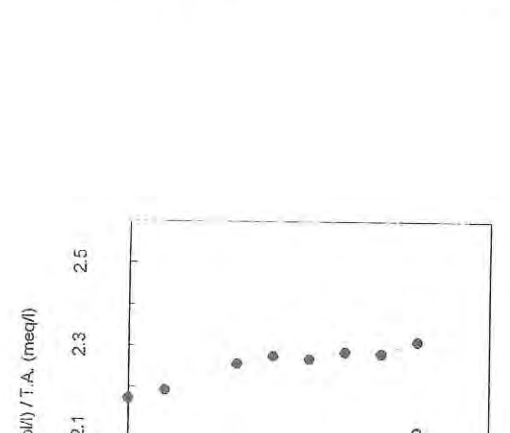
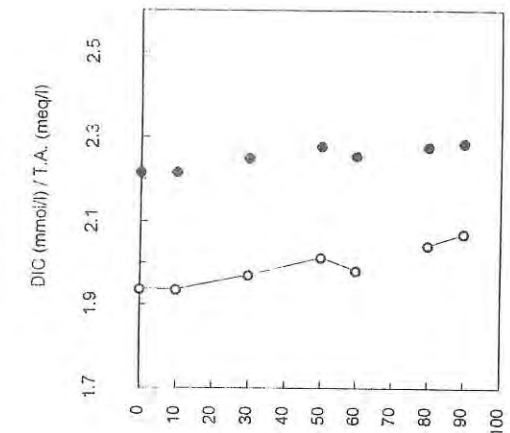
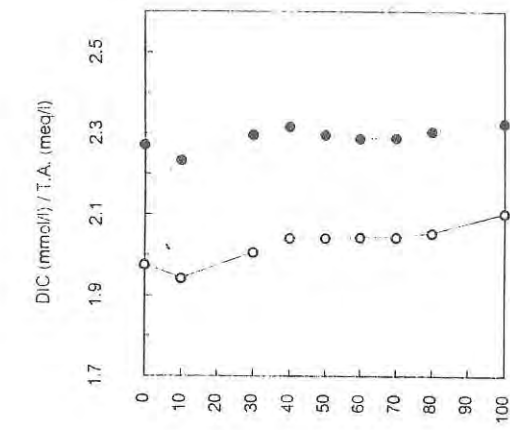
DIC (mmol/L) / T.A. (meq/L)



Station 8 USE GFC

o = Dissolved Inorganic Carbon (mmol/L)

● = Total Alkalinity (meq/L)



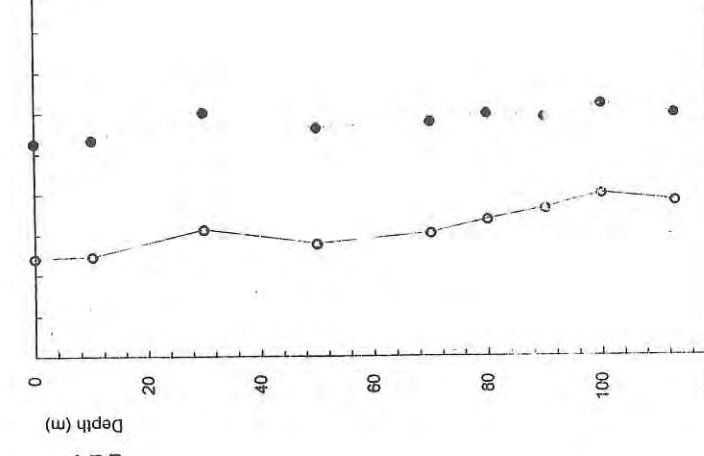
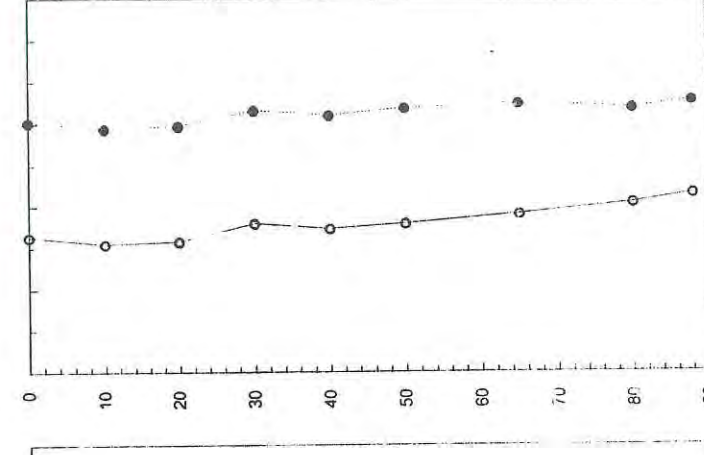
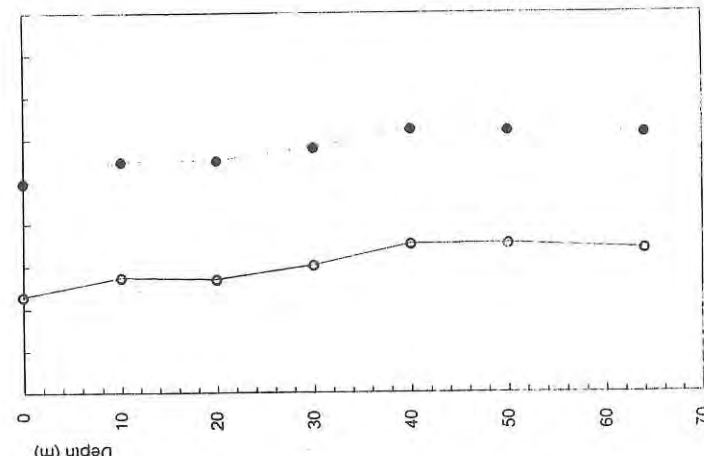
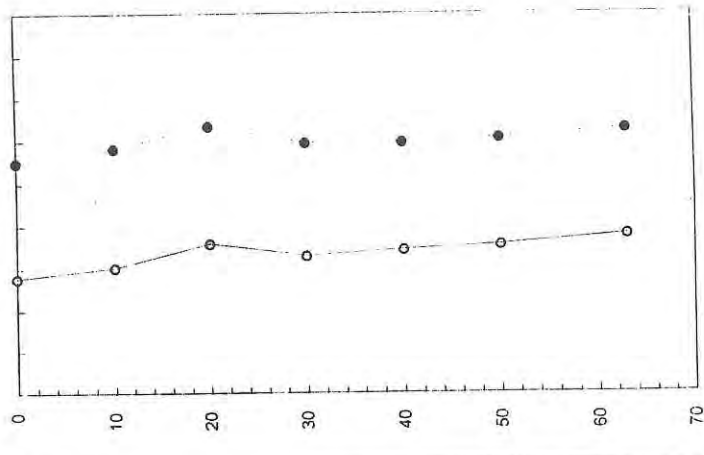
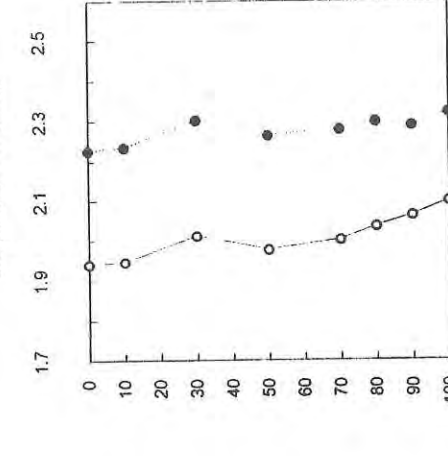
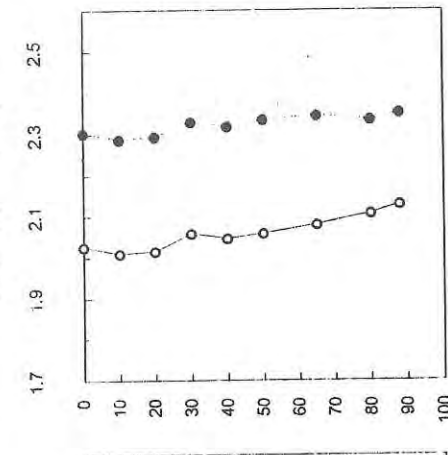
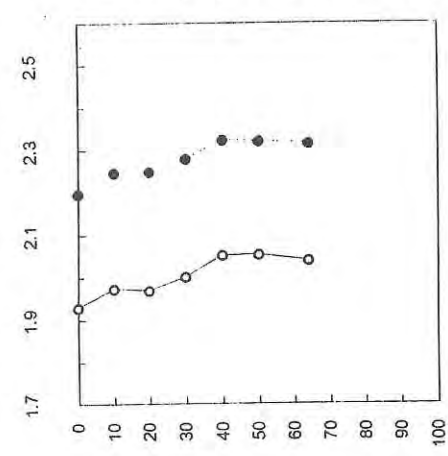
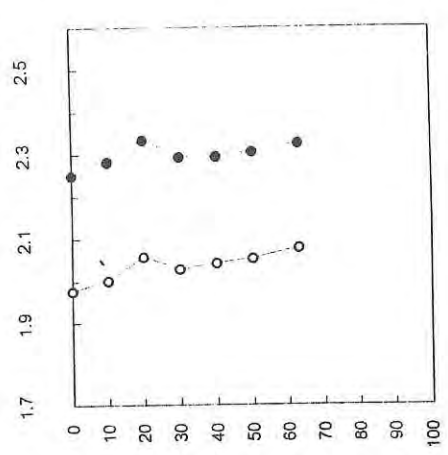
Station 9 USE GFC

Station 10 USE GFC

Station 11 USE GFC

Station 12 USE GFC

o = Dissolved Inorganic Carbon (mmol/l) ● = Total Alkalinity (meq/l)



Station 16 USE GF/C

Station 15 USE GF/C

Station 14 USE GF/C

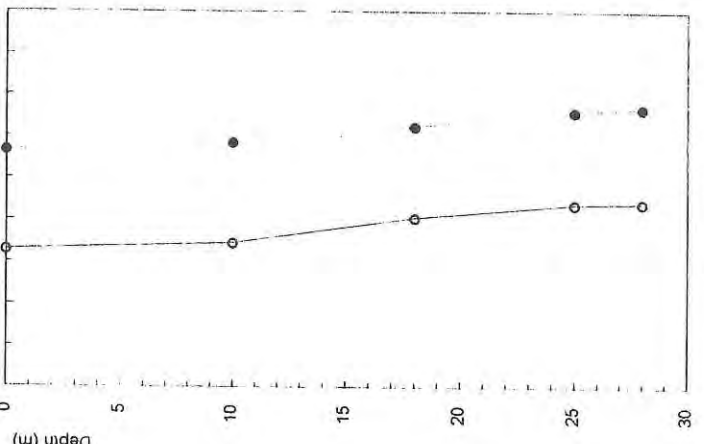
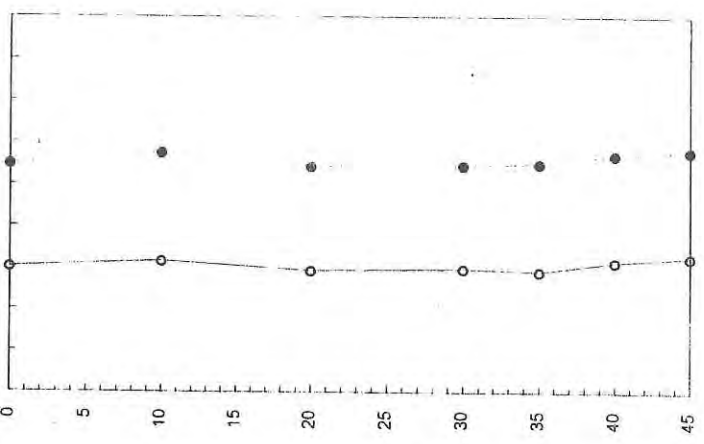
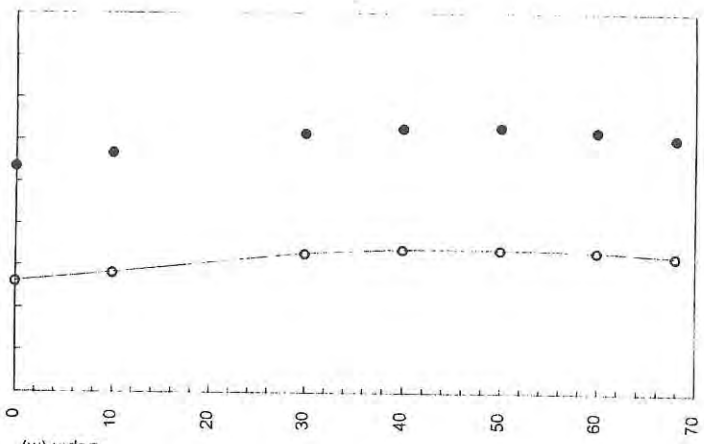
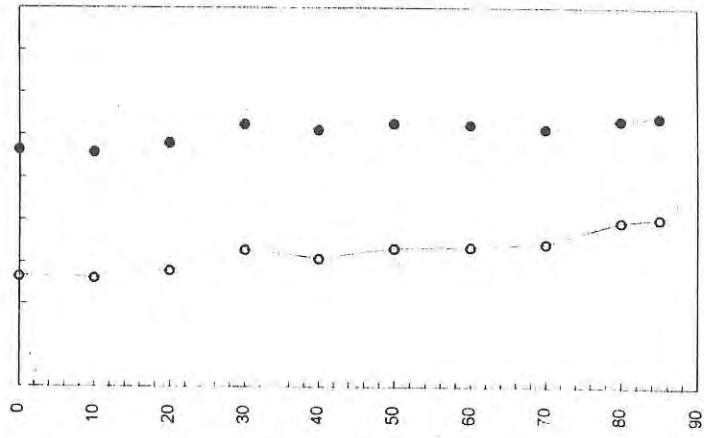
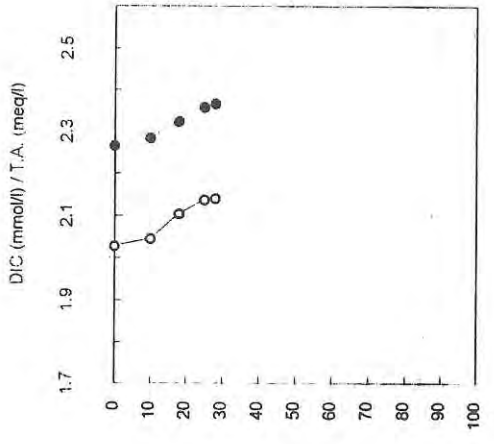
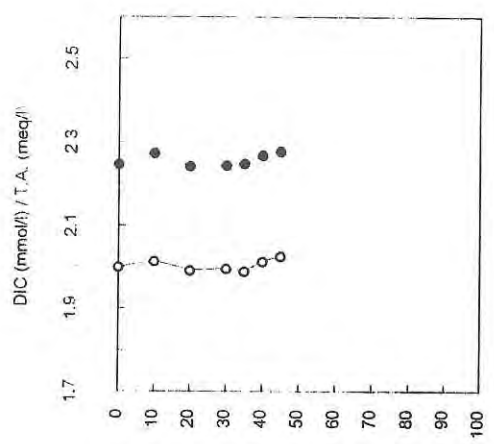
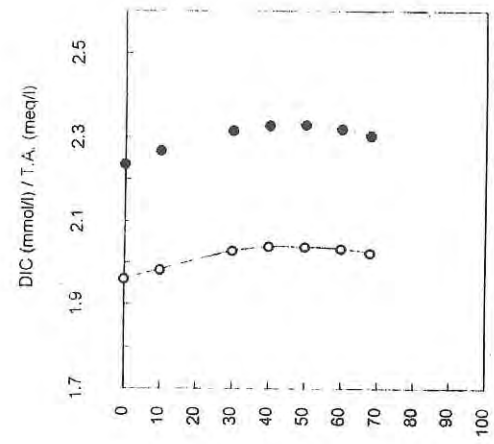
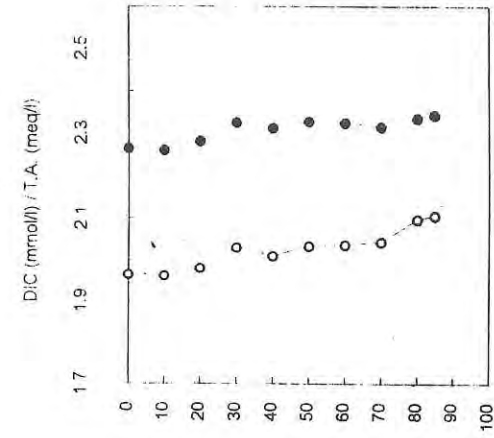
Station 13 USE GF/C

● = Total Alkalinity (meq/l)

○ = Dissolved Inorganic Carbon (mmol/l)

● = Total Alkalinity (meq/l)

○ = Dissolved Inorganic Carbon (mmol/l)



Station 17 USE GF/C

Station 18 USE GF/C

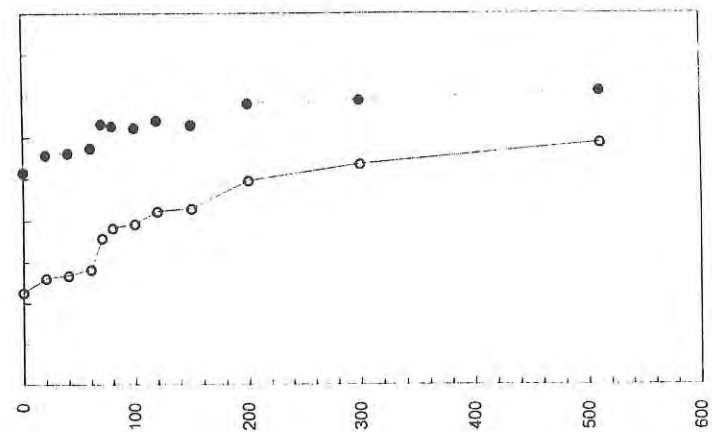
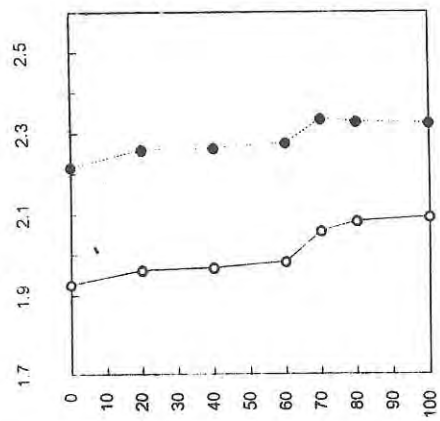
Station 19 USE GF/C

Station 20 USE GF/C

o = Dissolved Inorganic Carbon (mmol/l) ● = Total Alkalinity (meq/l)

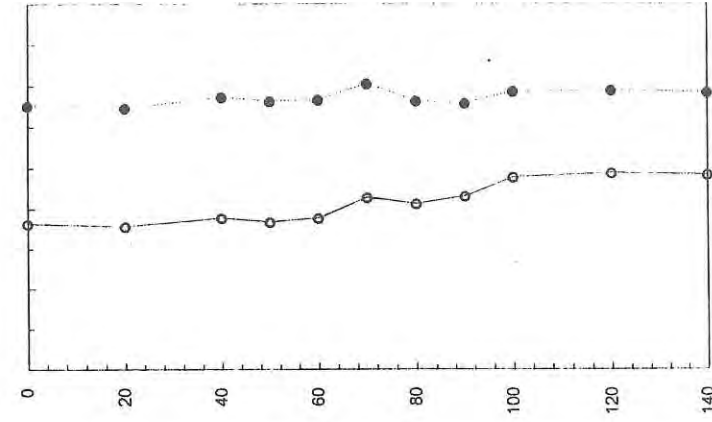
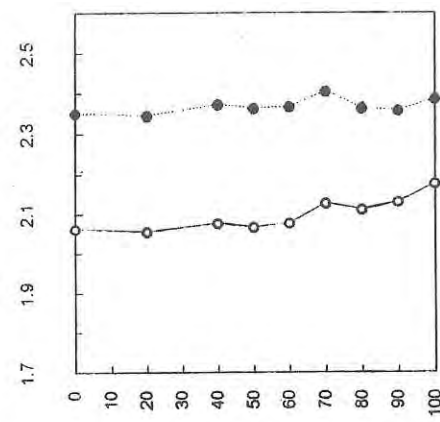
o = Dissolved Inorganic Carbon (mmol/l) ● = Total Alkalinity (meq/l)

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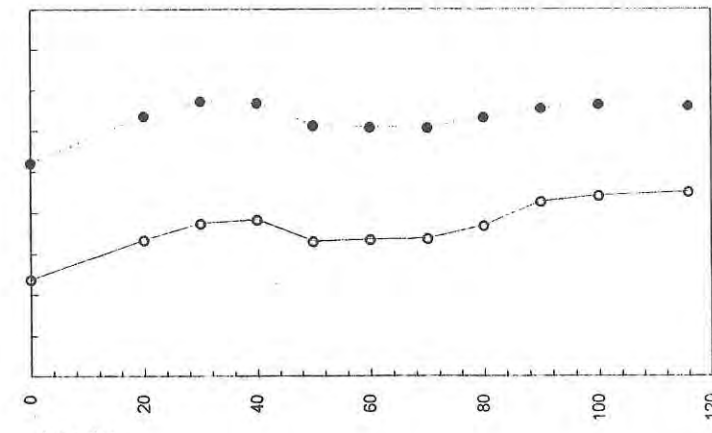
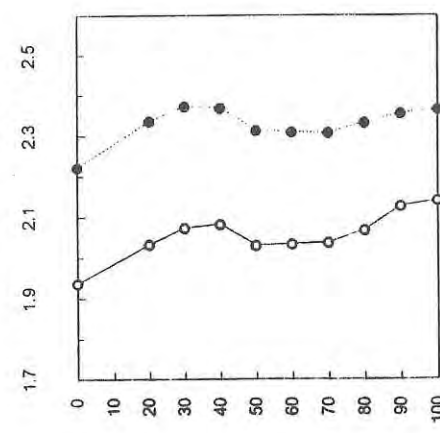
Station 24 USE GF/C
 Station 23 USE GF/C
 o = Dissolved Inorganic Carbon (mmol/l)
 ● = Total Alkalinity (meq/l)

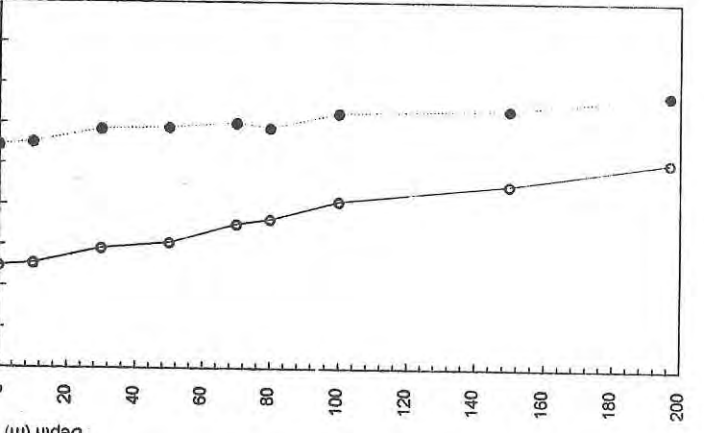
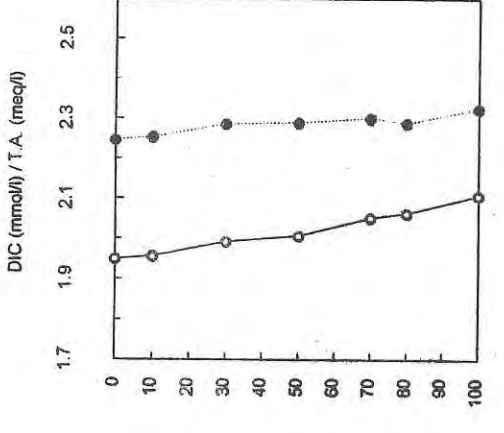
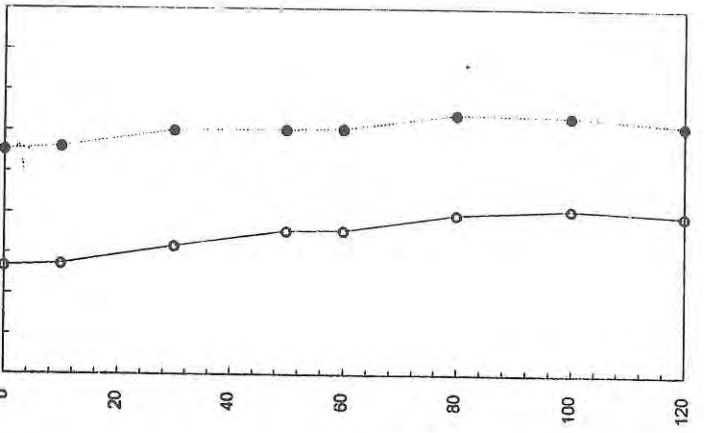
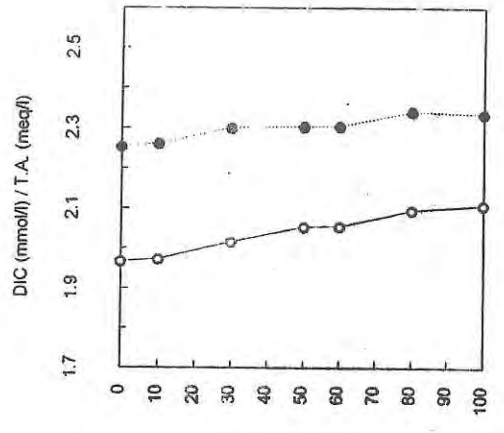
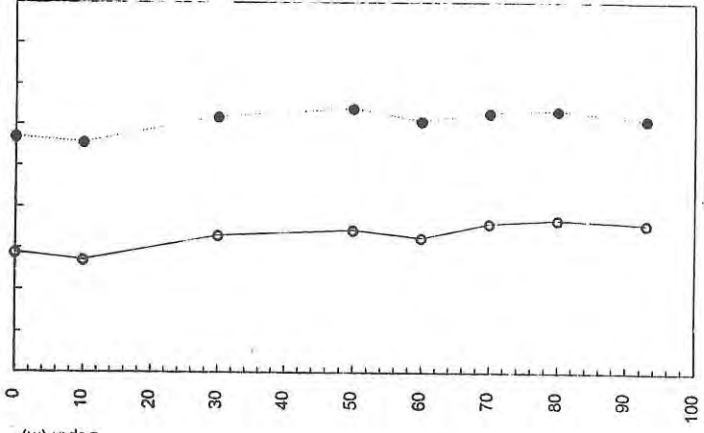
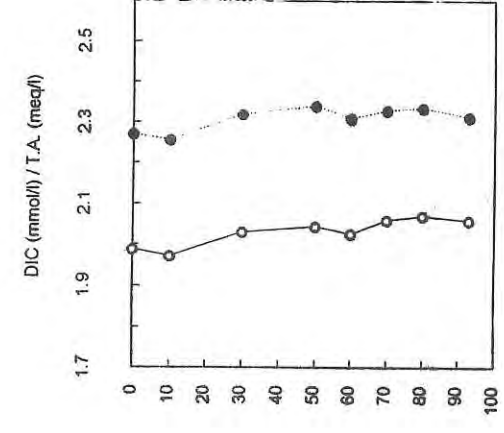
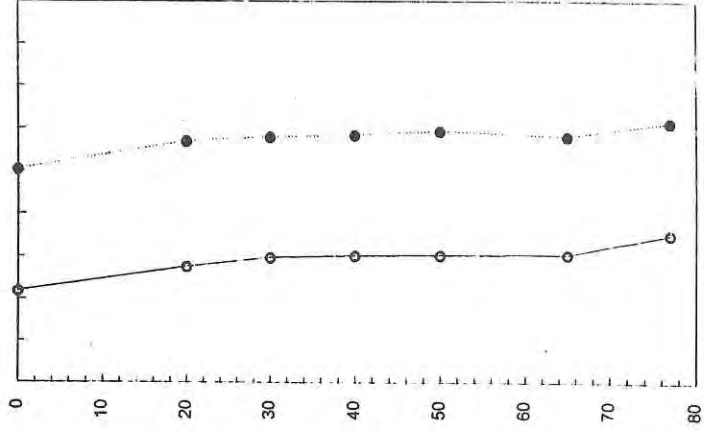
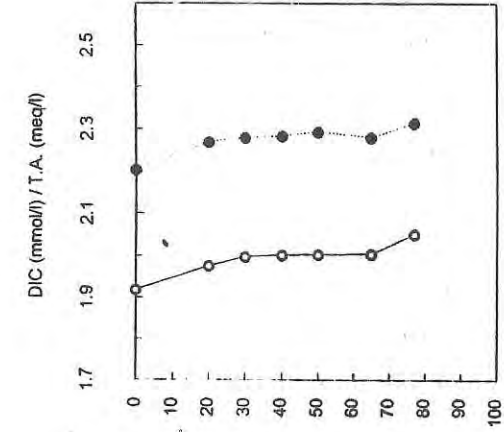
DATE (mm/dd/yyyy) : 11/11/2007



Station 22 USE GF/C
 Station 21 USE GF/C
 o = Dissolved Inorganic Carbon (mmol/l)
 ● = Total Alkalinity (meq/l)

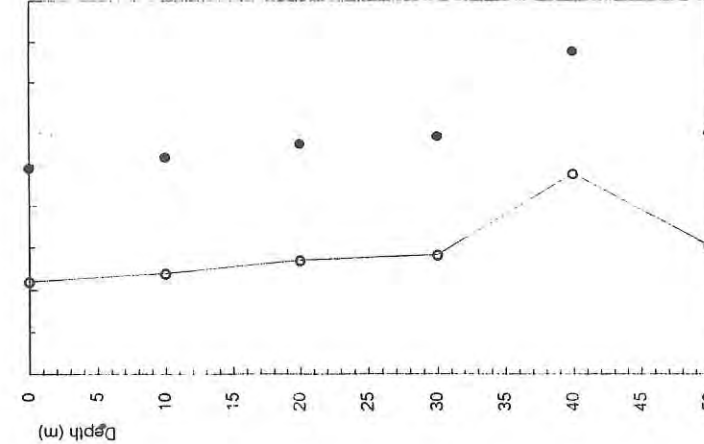
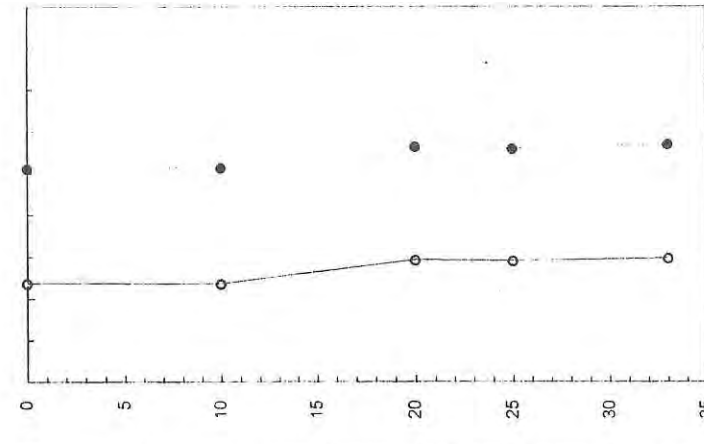
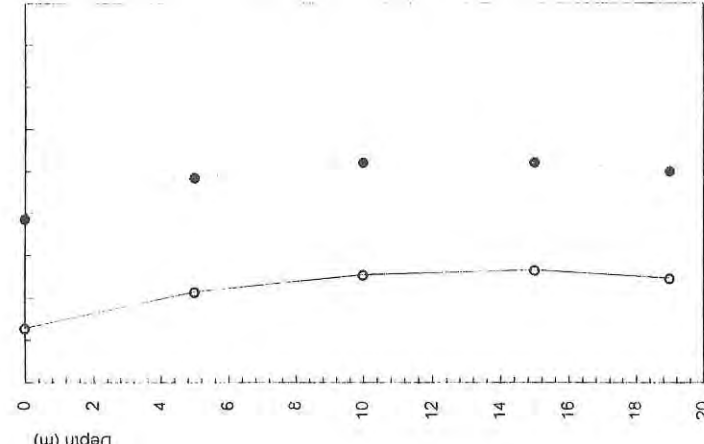
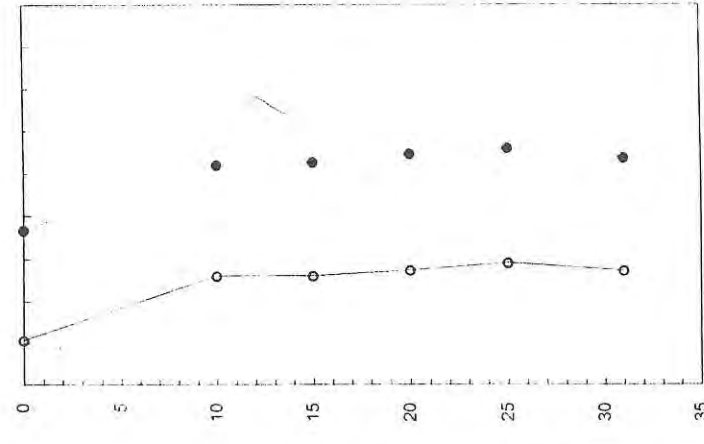
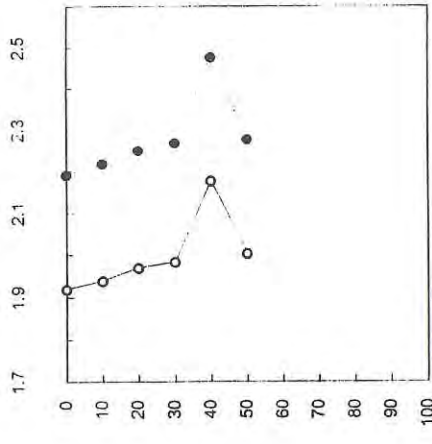
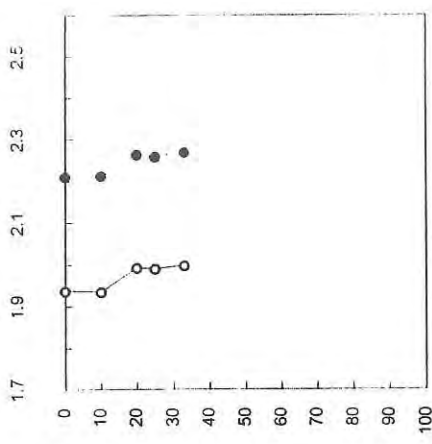
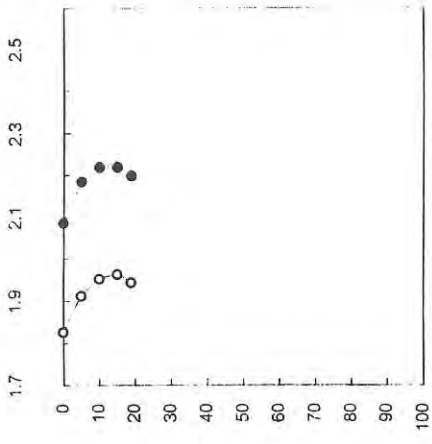
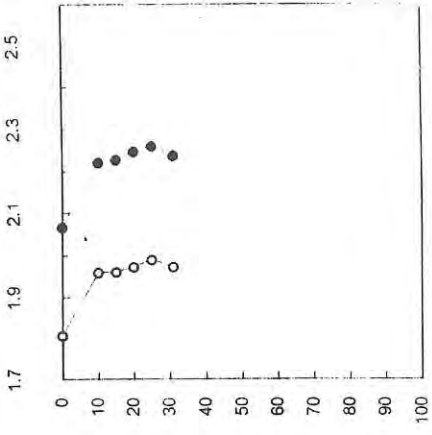
DATE (mm/dd/yyyy) : 11/11/2007





Station 28 USE GFC
 Station 27 USE GFC
 Station 26 USE GFC
 Station 25 USE GFC

o = Dissolved Inorganic Carbon (mmol/l)
 ● = Total Alkalinity (meq/l)



Station 32 USE GF/C

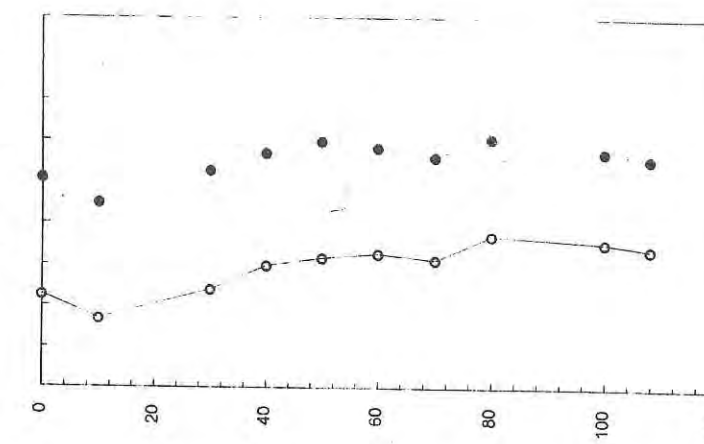
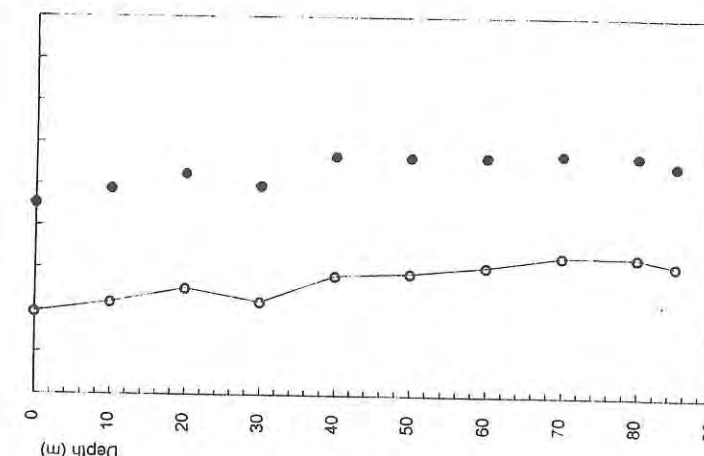
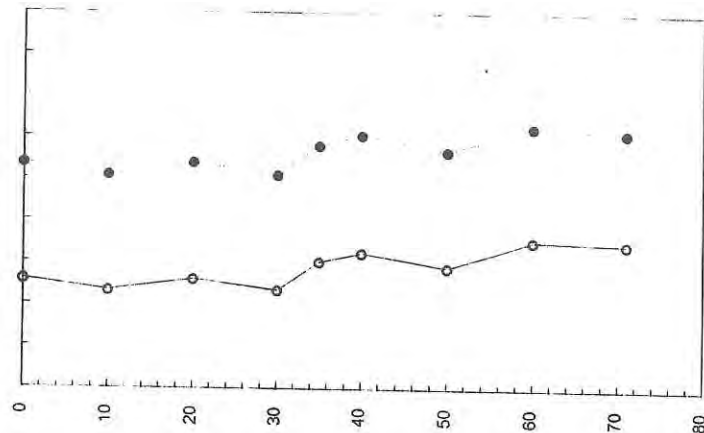
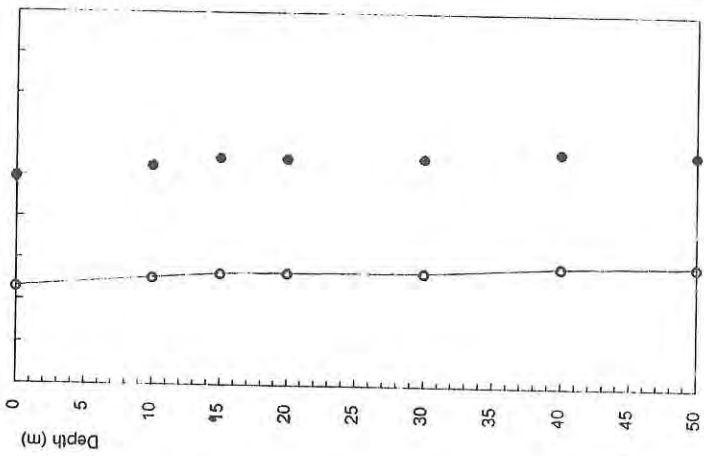
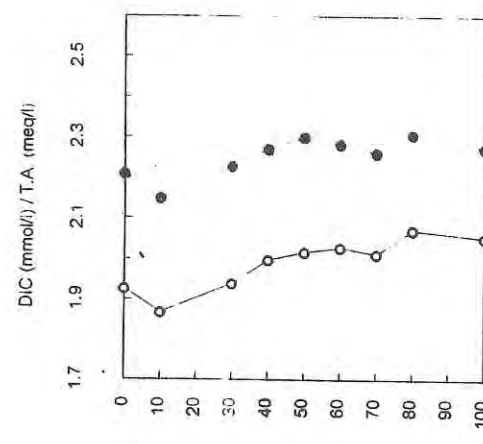
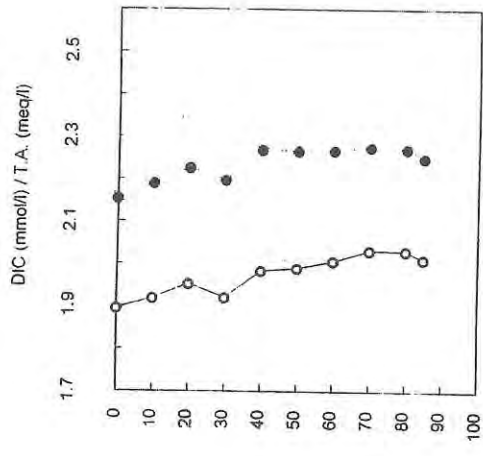
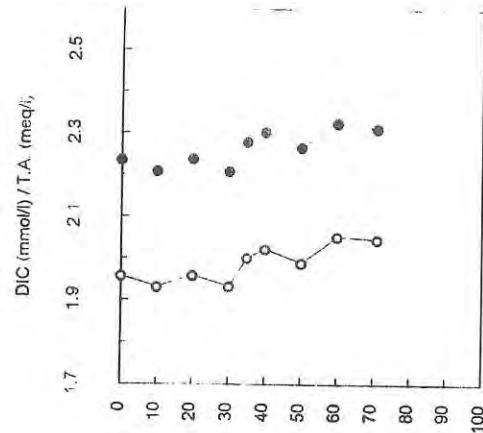
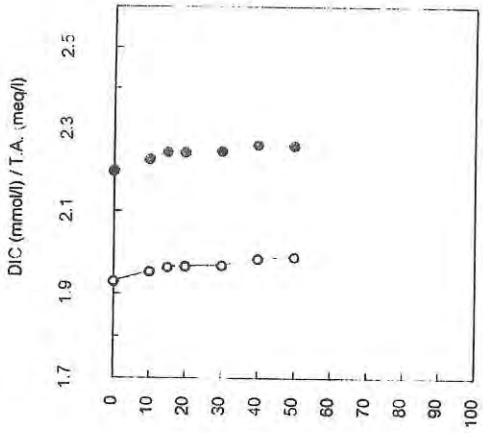
Station 31 USE GF/C

Station 30 USE GF/C

Station 29 USE GF/C

o = Dissolved Inorganic Carbon (mmol/l) ● = Total Alkalinity (meq/l)

o = Dissolved Inorganic Carbon (mmol/l) ● = Total Alkalinity (meq/l)



Station 33 USE GFC

Station 34 USE GFC

Station 35 USE GFC

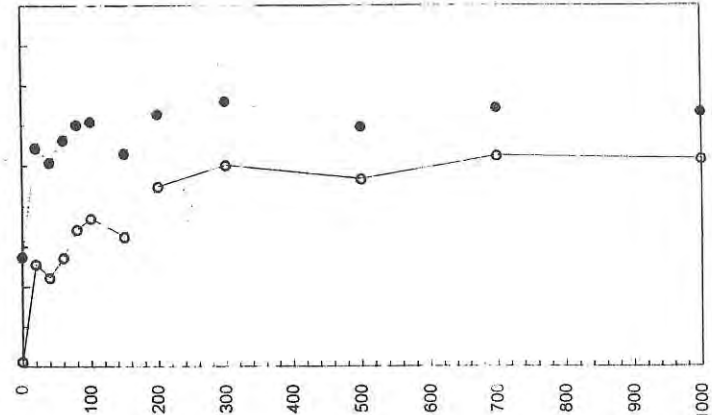
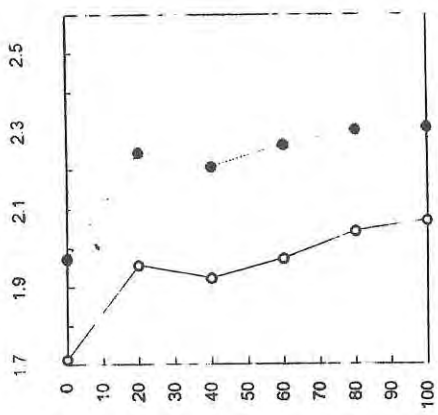
Station 36 USE GFC

o = Dissolved Inorganic Carbon (mmol/l)

● = Total Alkalinity (meq/l)

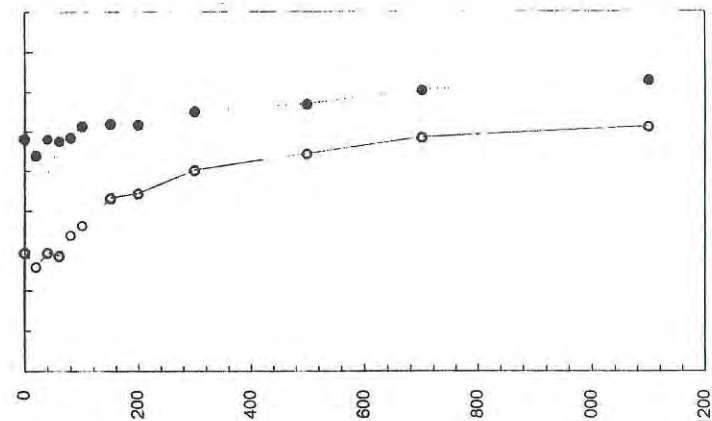
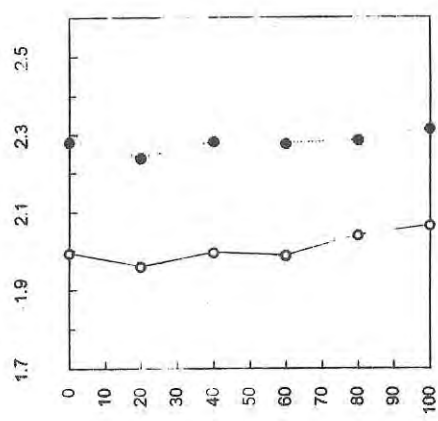
o = Dissolved Inorganic Carbon (mmol/l)

● = Total Alkalinity (meq/l)



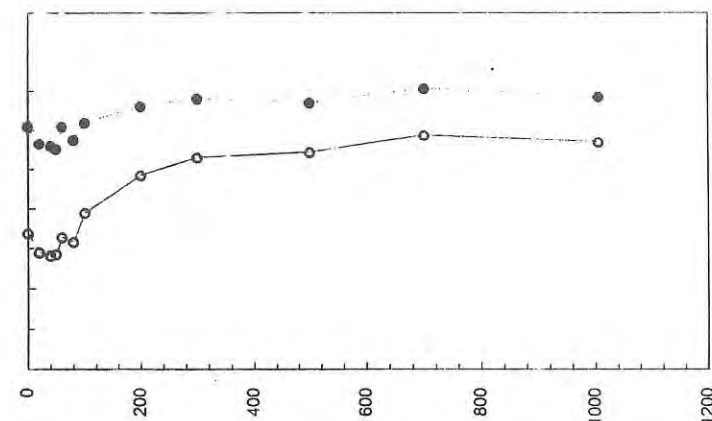
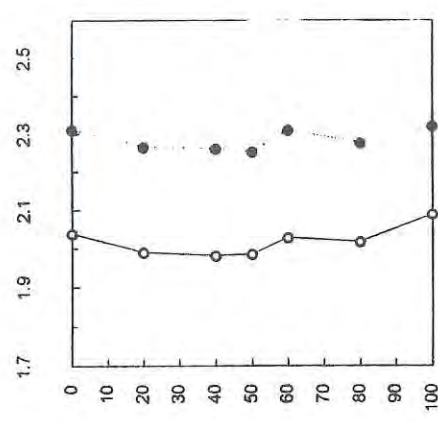
Station 40 USE GFC

● = Total Alkalinity (meq/l)



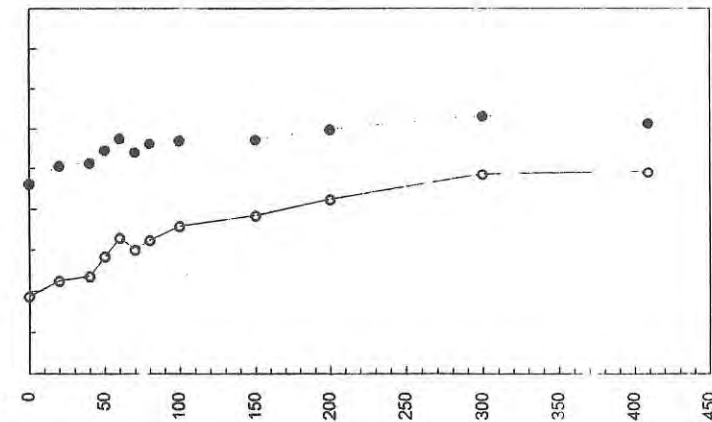
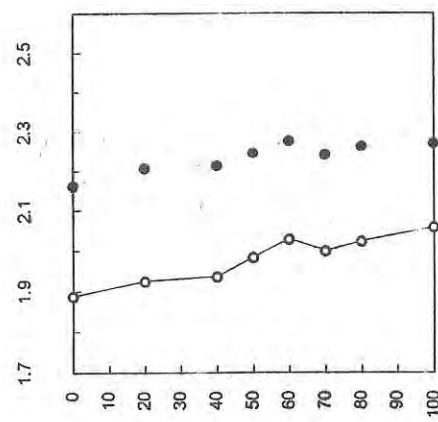
Station 39 USE GFC

○ = Dissolved Inorganic Carbon (mmol/l)



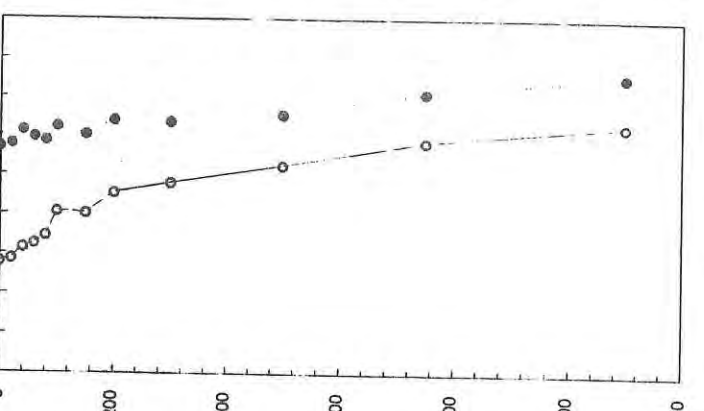
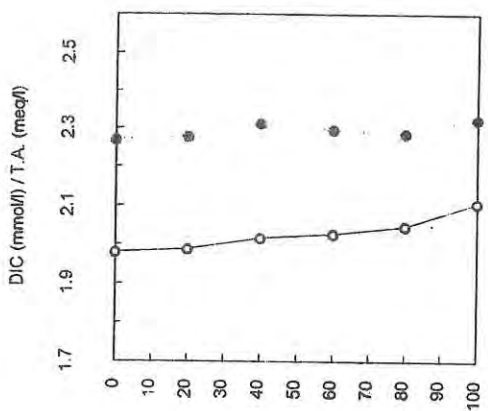
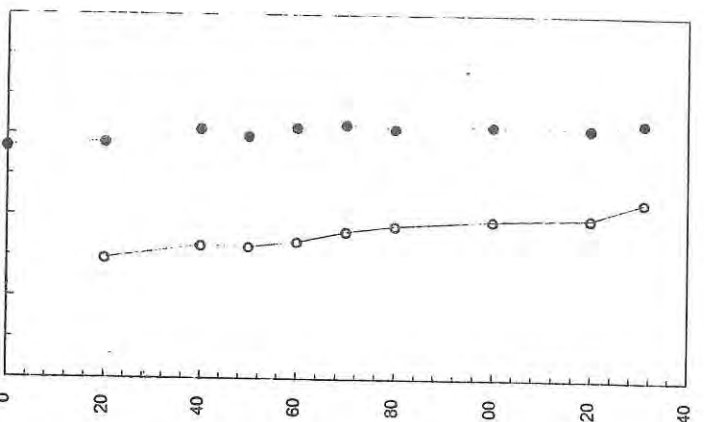
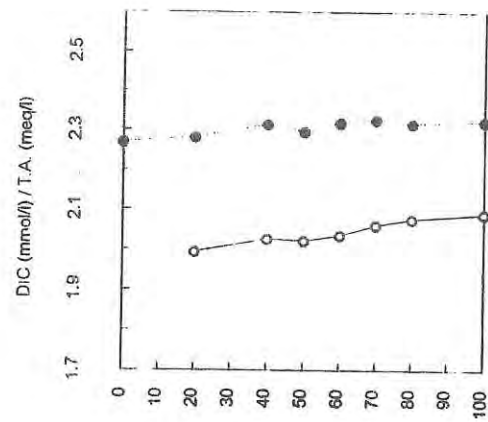
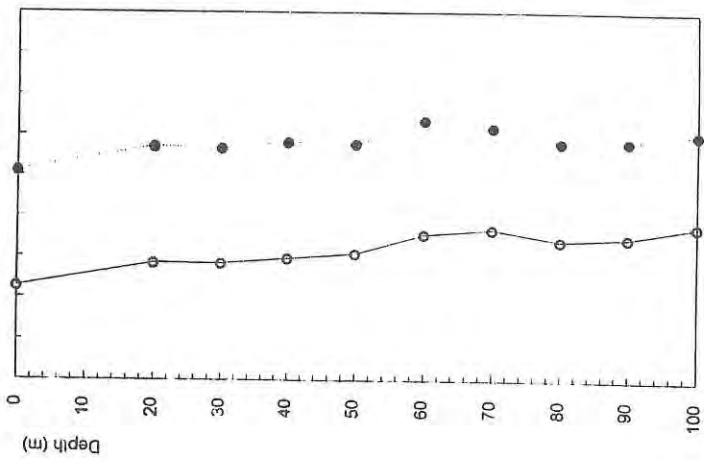
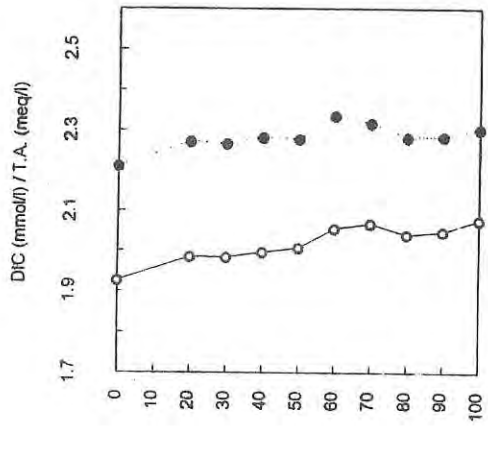
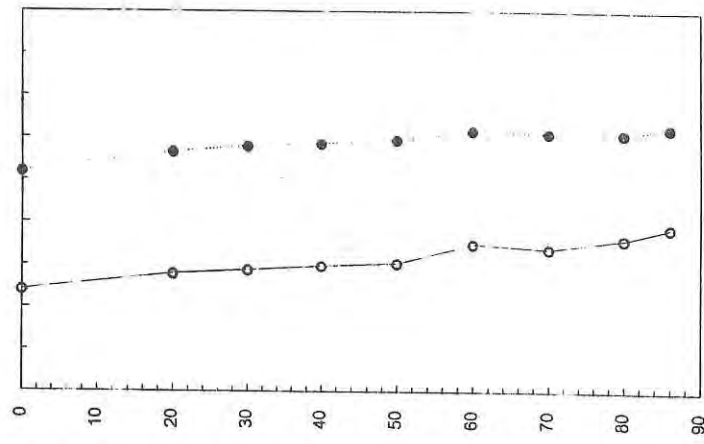
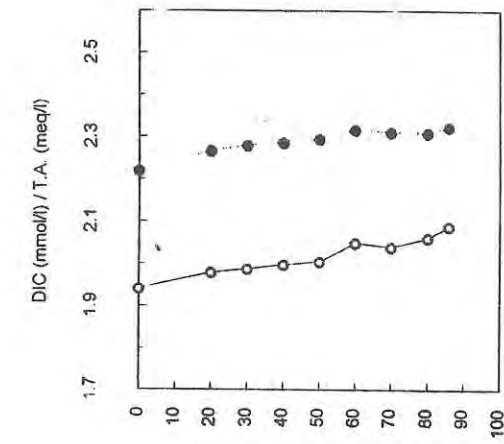
Station 38 USE GFC

● = Total Alkalinity (meq/l)



Station 37 USE GFC

○ = Dissolved Inorganic Carbon (mmol/l)



Station 44 USE GF/C

Station 43 USE GF/C

Station 42 USE GF/C

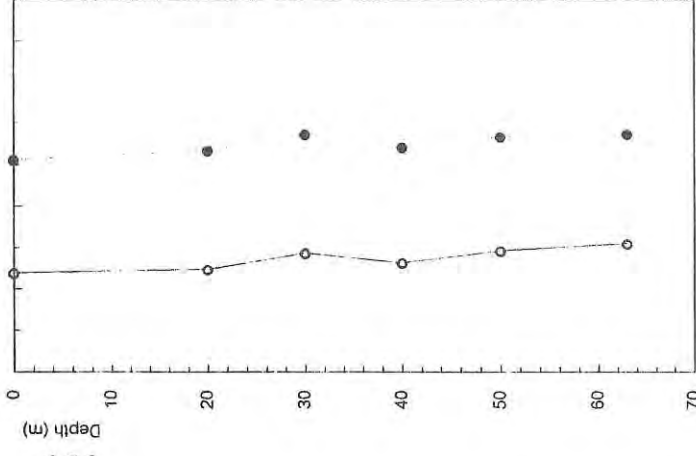
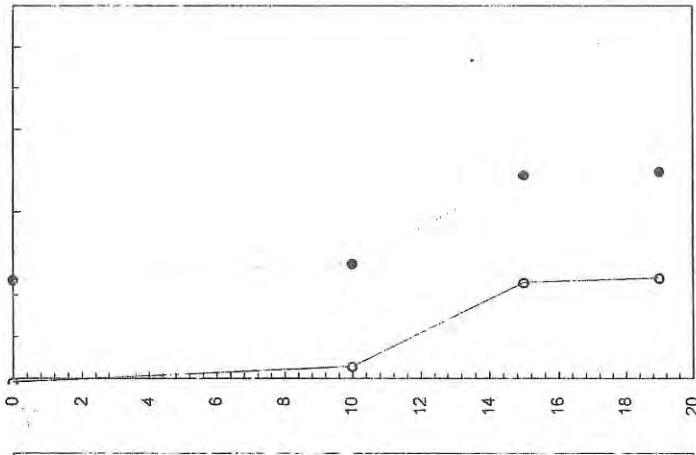
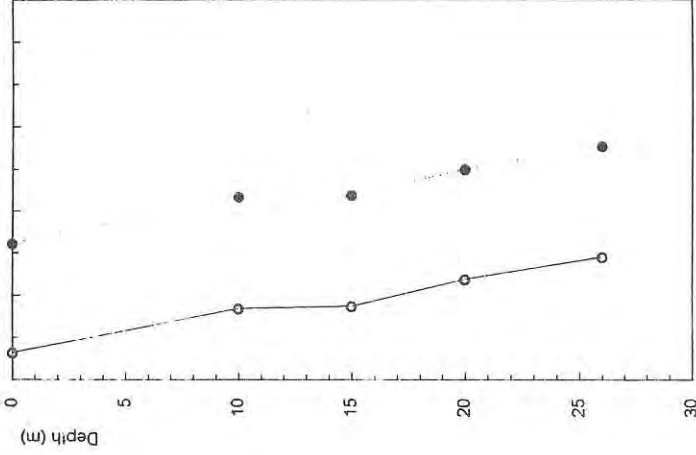
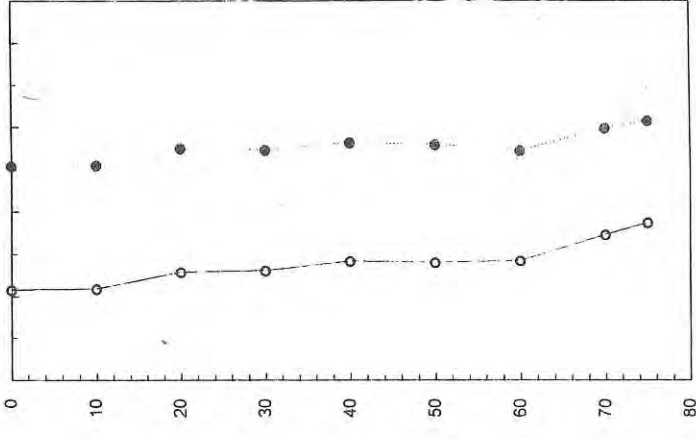
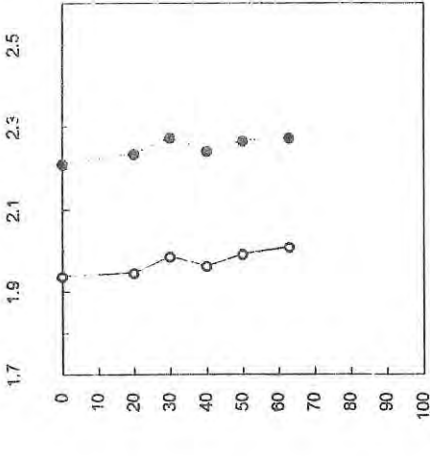
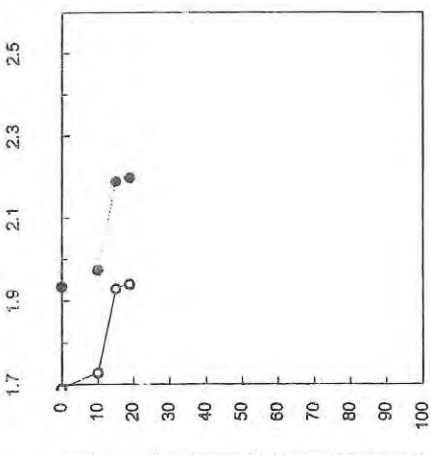
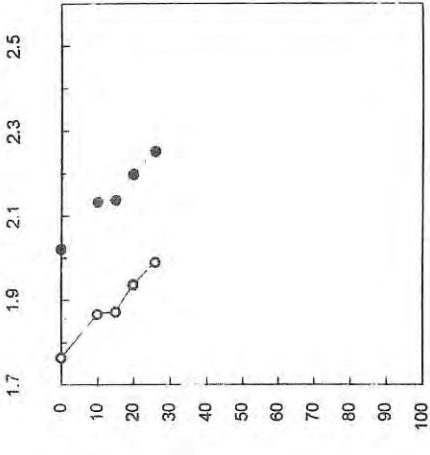
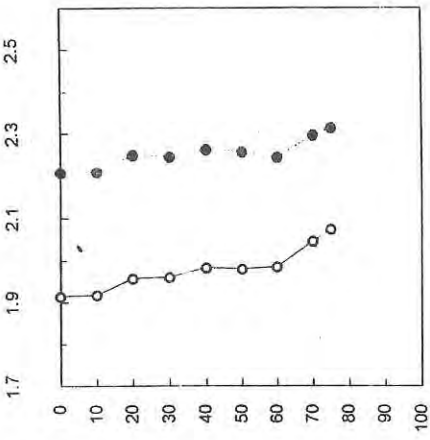
Station 41 USE GF/C

● = Total Alkalinity (meq/l)

○ = Dissolved Inorganic Carbon (mmol/l)

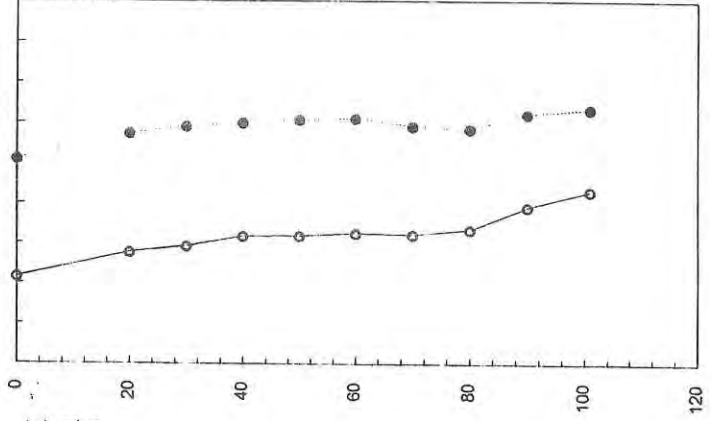
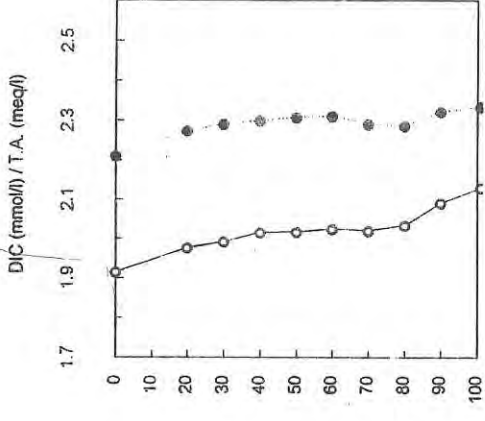
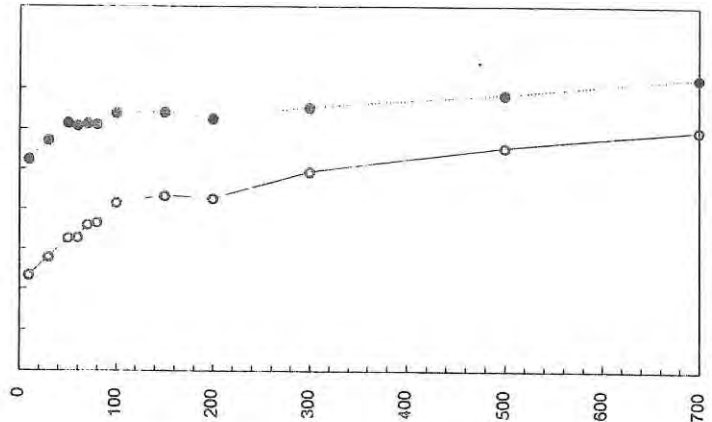
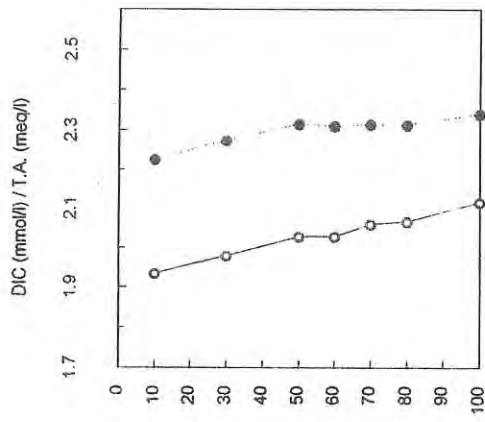
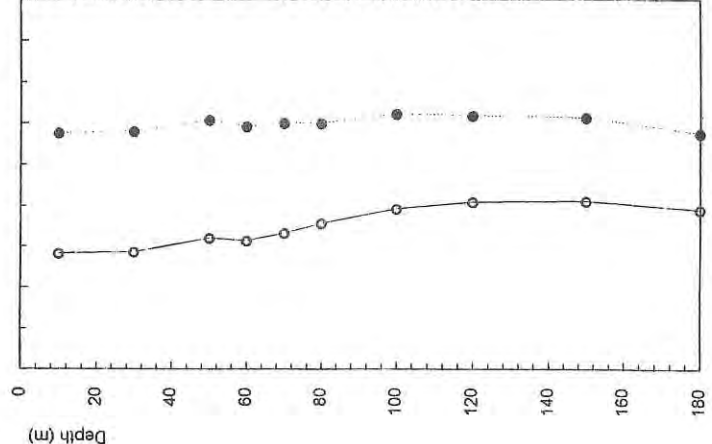
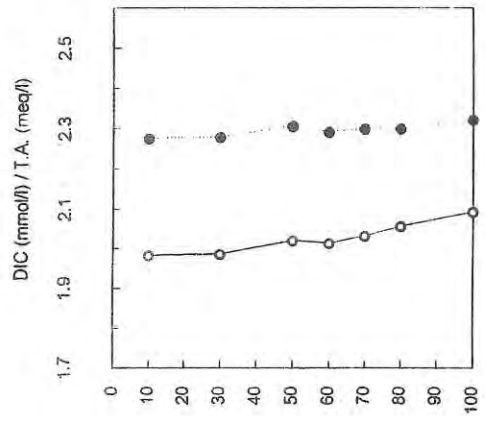
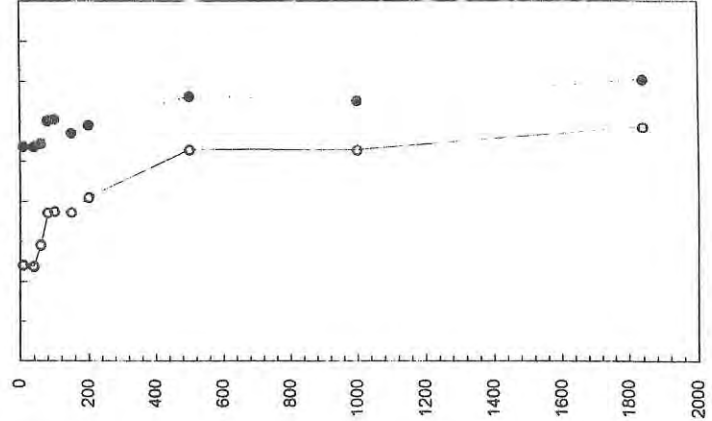
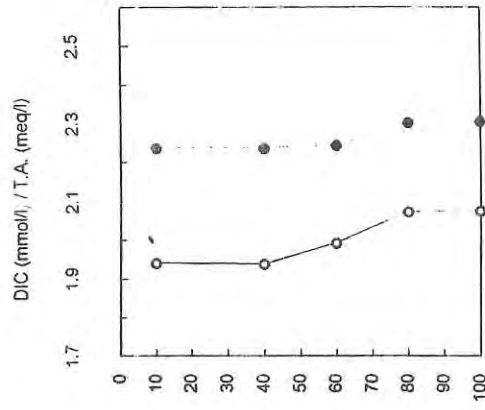
● = Total Alkalinity (meq/l)

○ = Dissolved Inorganic Carbon (mmol/l)



Station 48 USE GF/C
 Station 47 USE GF/C
 Station 46 USE GF/C
 Station 45 USE GF/C

o = Dissolved Inorganic Carbon (mmol/l)
 ● = Total Alkalinity (meq/l)



Station 53 USE GF/F

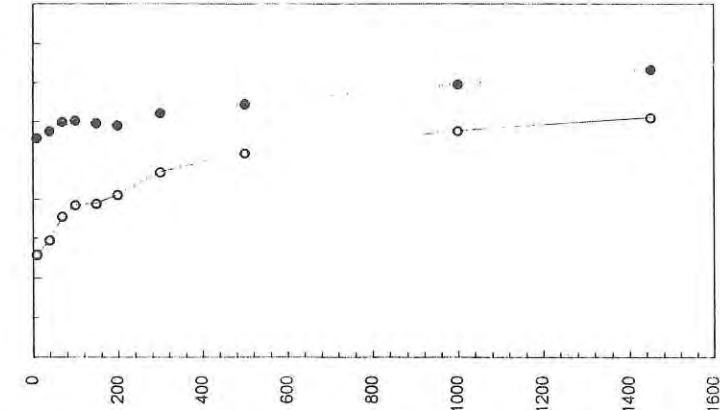
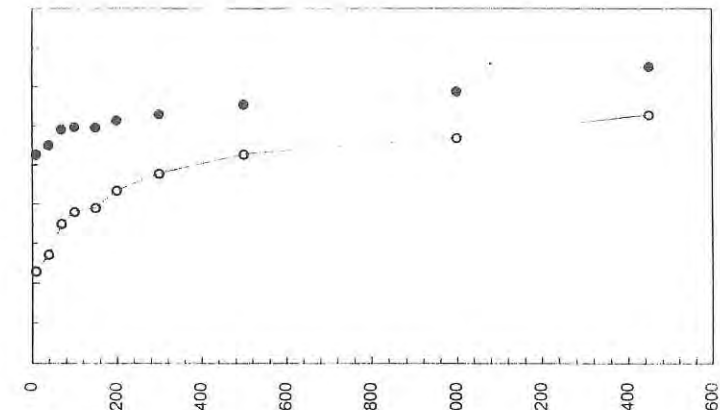
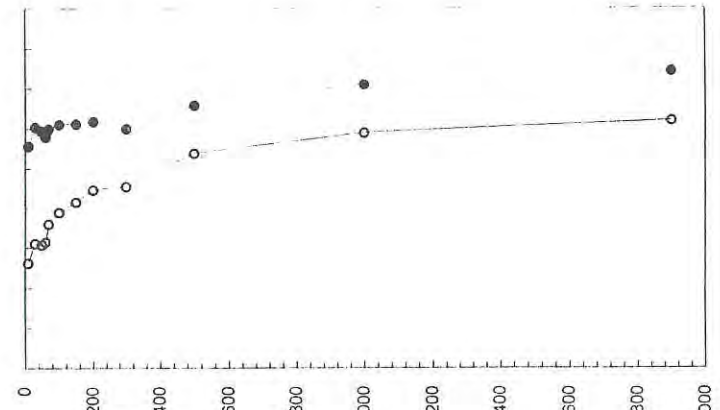
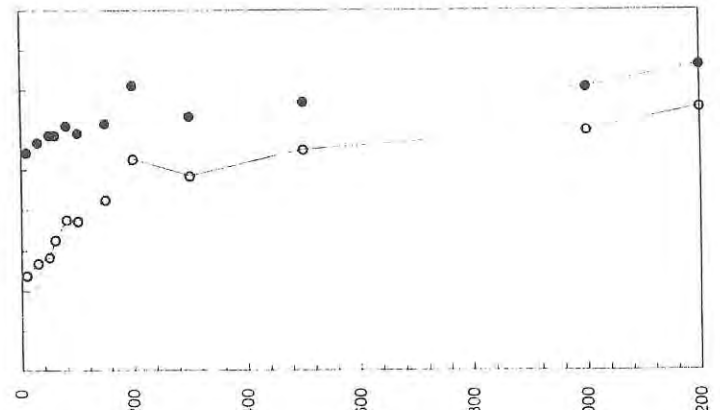
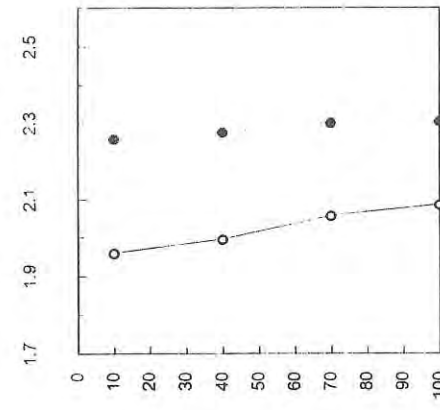
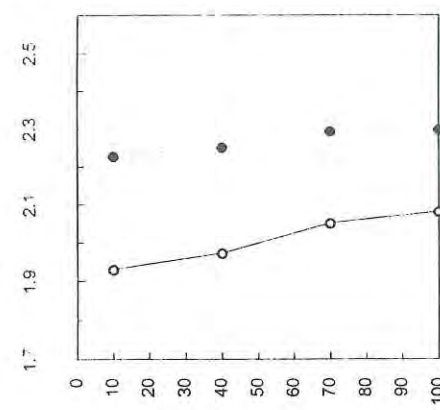
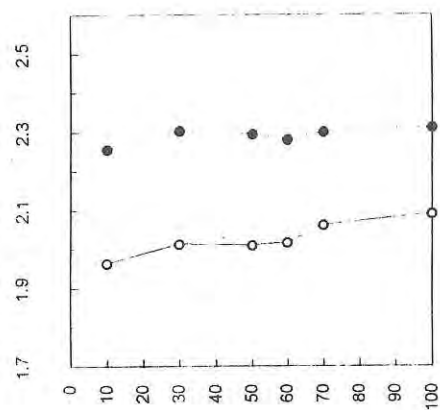
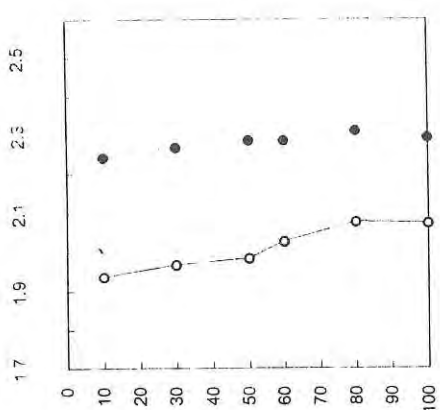
Station 51 USE GF/C

Station 50 USE GF/C

Station 49 USE GF/C

o = Dissolved Inorganic Carbon (mmol/l) ● = Total Alkalinity (meq/l)

o = Dissolved Inorganic Carbon (mmol/l) ● = Total Alkalinity (meq/l)



Station 55 USE GF/F

Station 54 USE GF/F

Station 52 USE GF/C

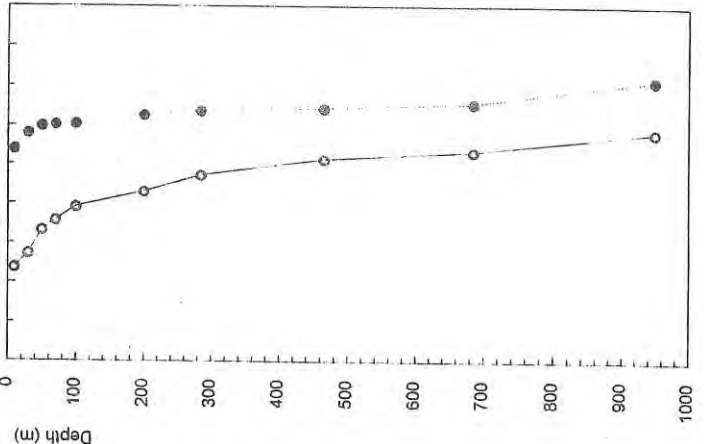
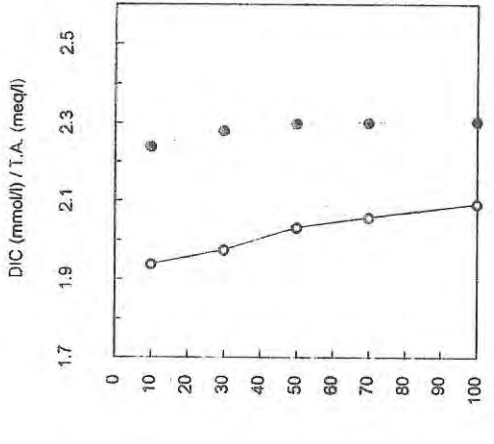
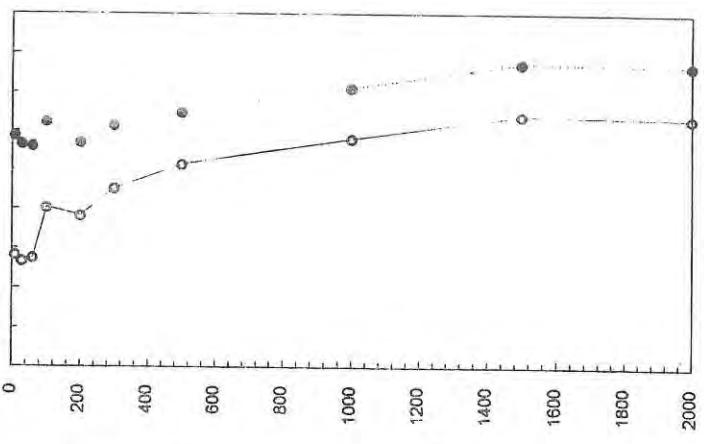
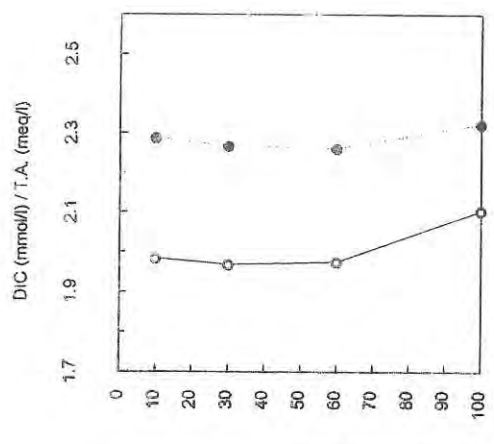
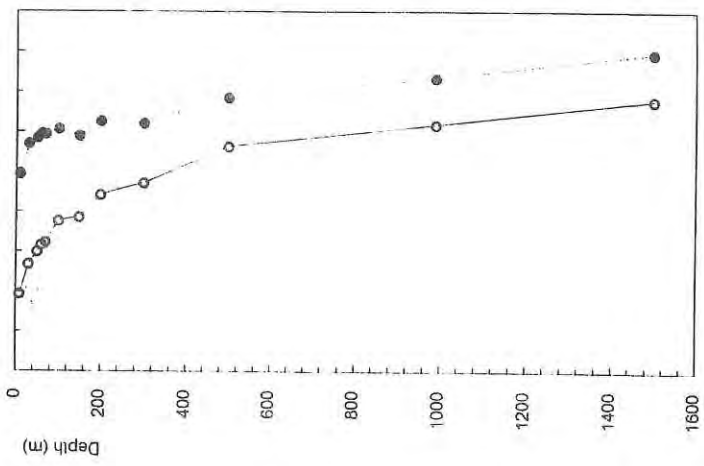
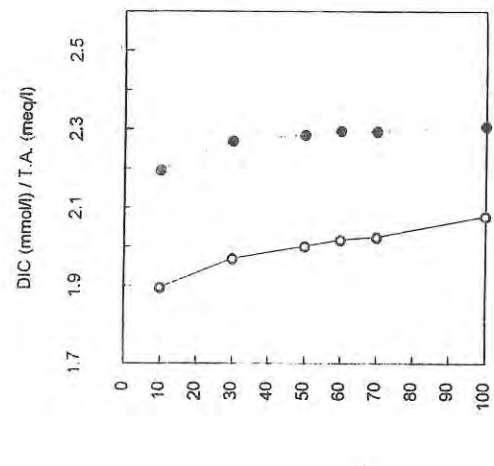
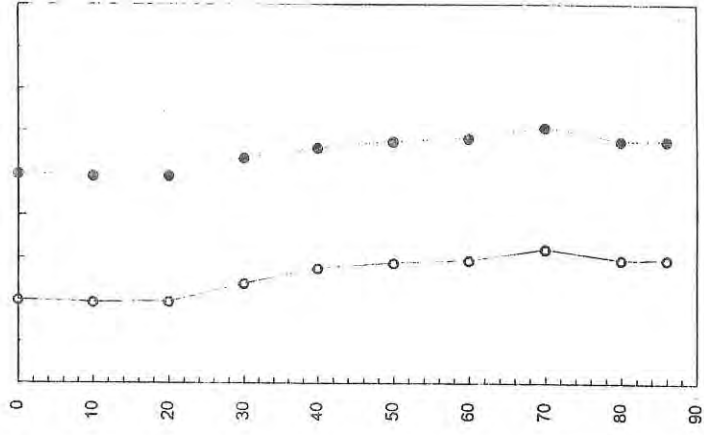
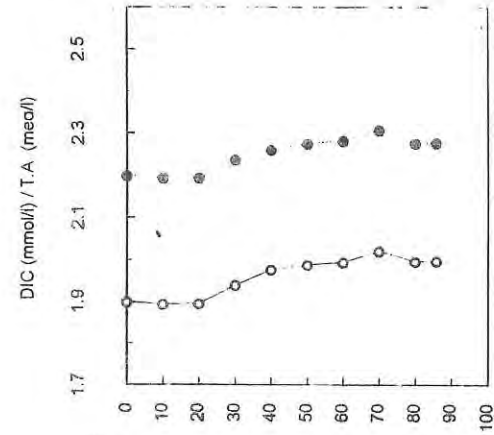
Station 52 USE GF/F

● = Total Alkalinity (meq/l)

○ = Dissolved Inorganic Carbon (mmol/l)

● = Total Alkalinity (meq/l)

○ = Dissolved Inorganic Carbon (mmol/l)



Station 59 USE GF/F

Station 58 USE GF/F

Station 57 USE GF/F

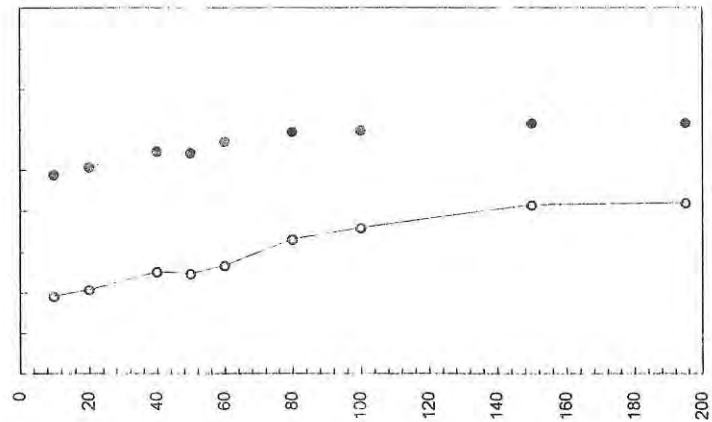
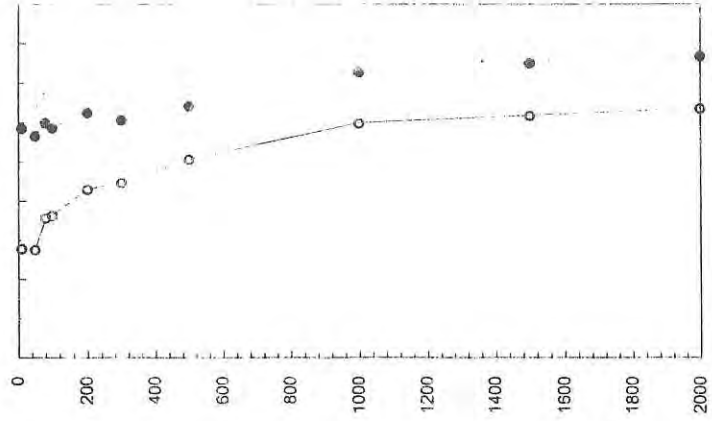
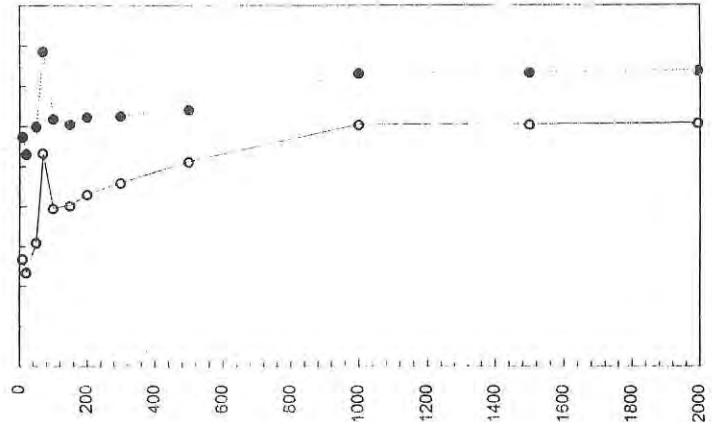
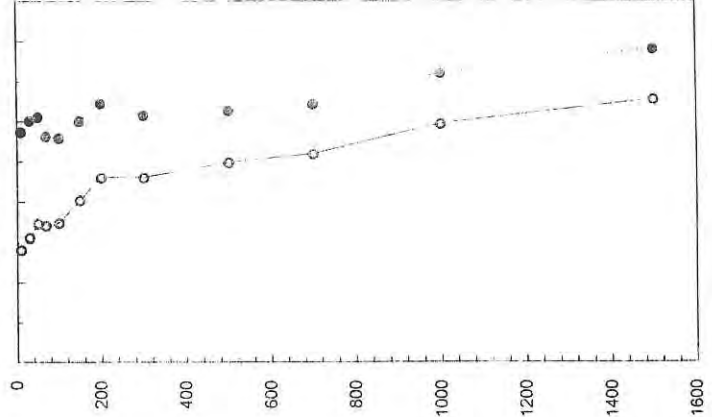
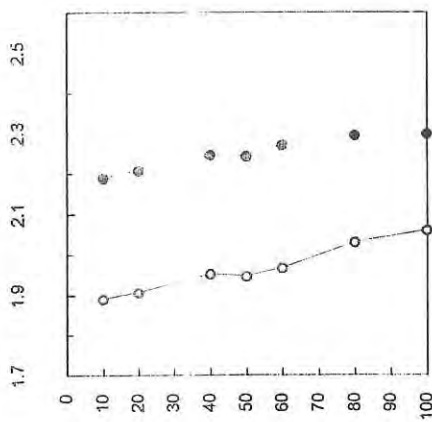
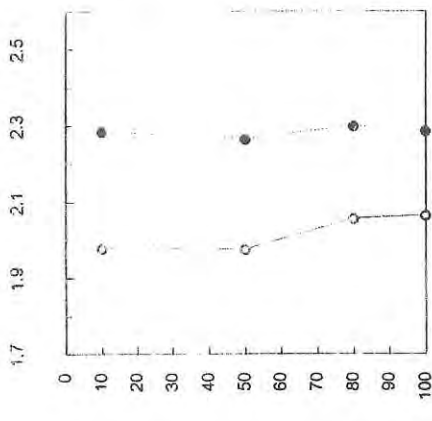
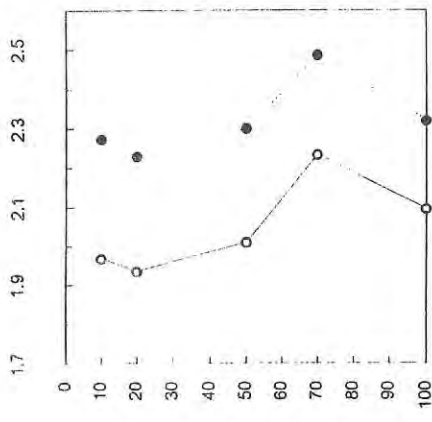
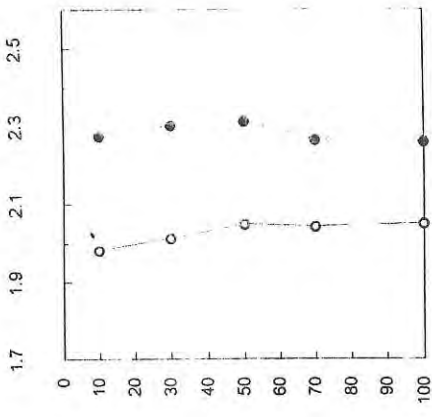
Station 56 USE GF/F

● = Total Alkalinity (meq/l)

○ = Dissolved Inorganic Carbon (mmol/l)

● = Total Alkalinity (meq/l)

○ = Dissolved Inorganic Carbon (mmol/l)



Station 63 USE GF/F

Station 62 USE GF/F

Station 61 USE GF/F

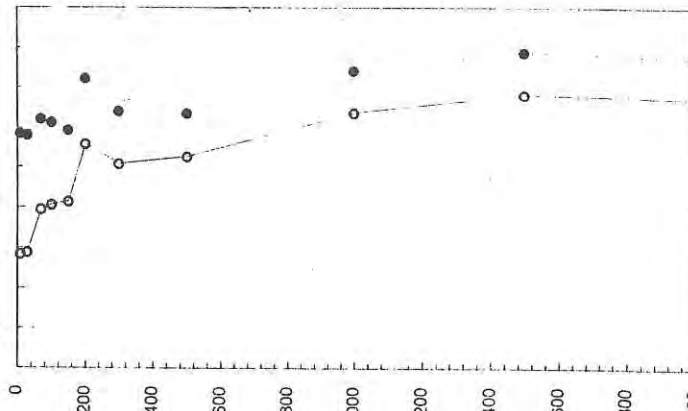
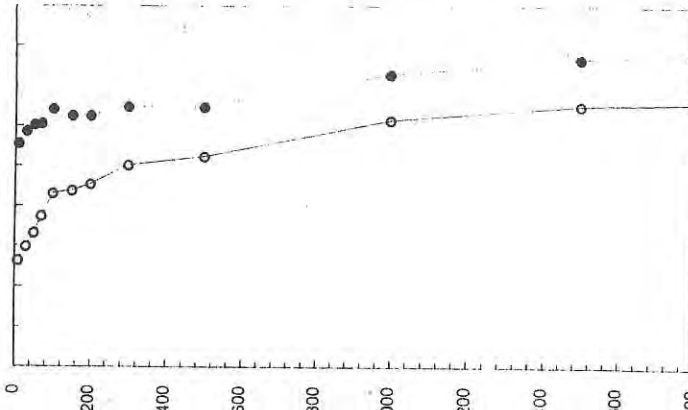
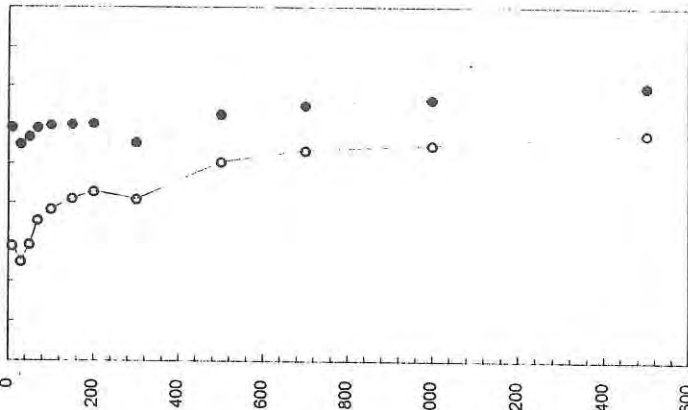
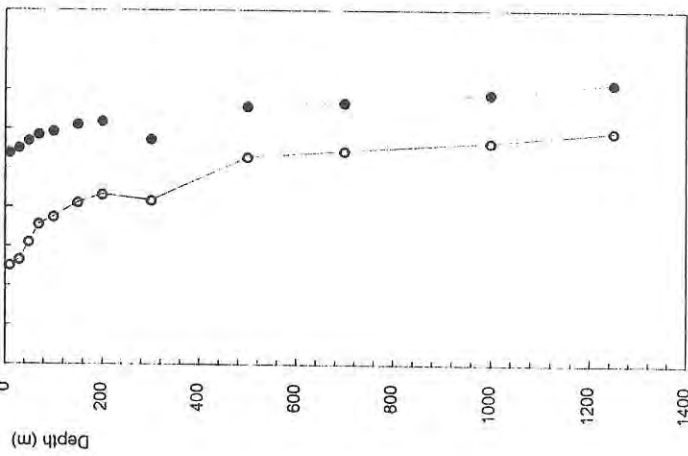
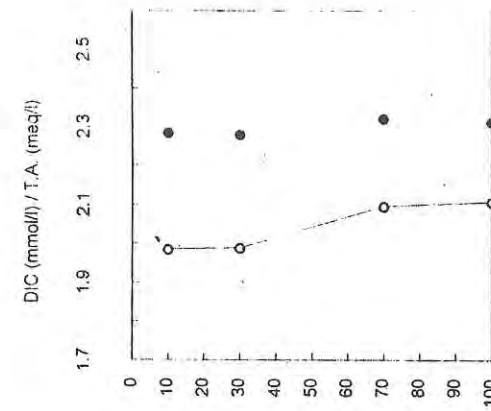
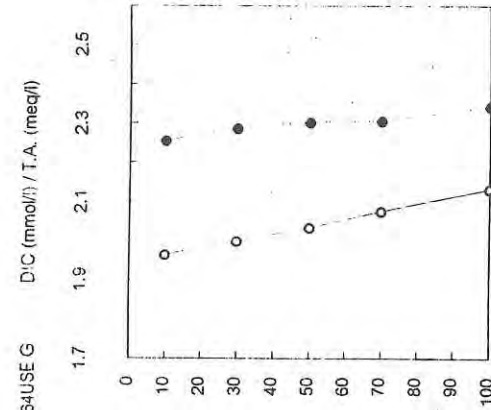
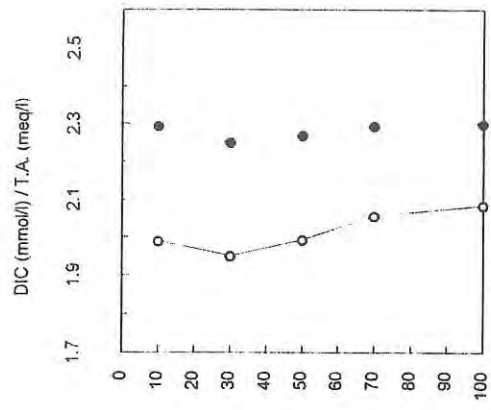
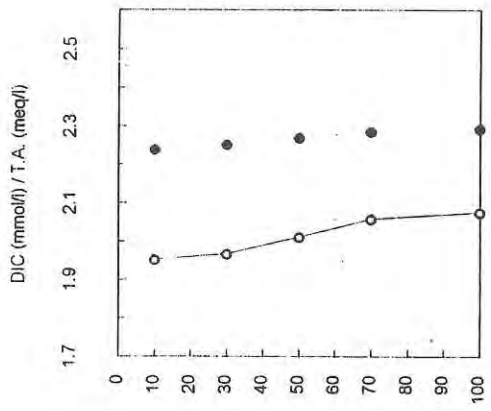
Station 60 USE GF/F

● = Total Alkalinity (meq/l)

○ = Dissolved Inorganic Carbon (mmol/l)

● = Total Alkalinity (meq/l)

○ = Dissolved Inorganic Carbon (mmol/l)



Station 64 USE GF/F

Station 65 USE GF/F

Station 66 USE GF/F

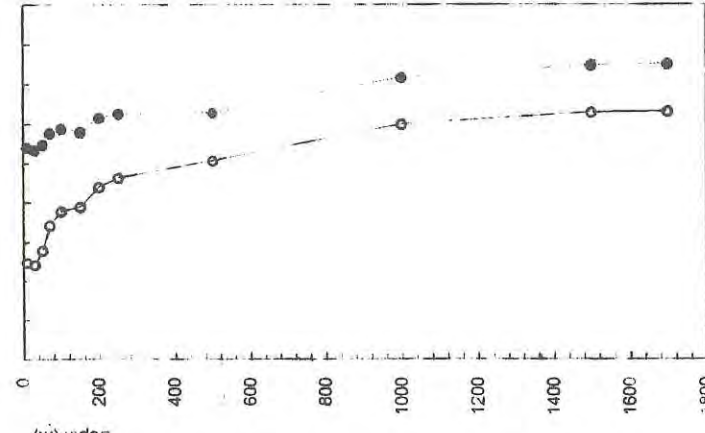
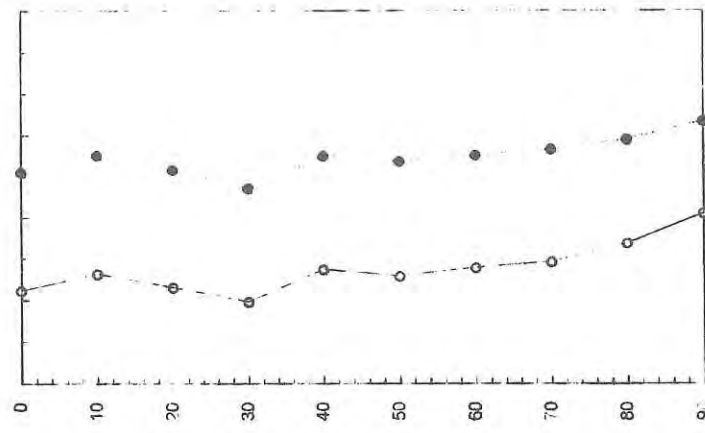
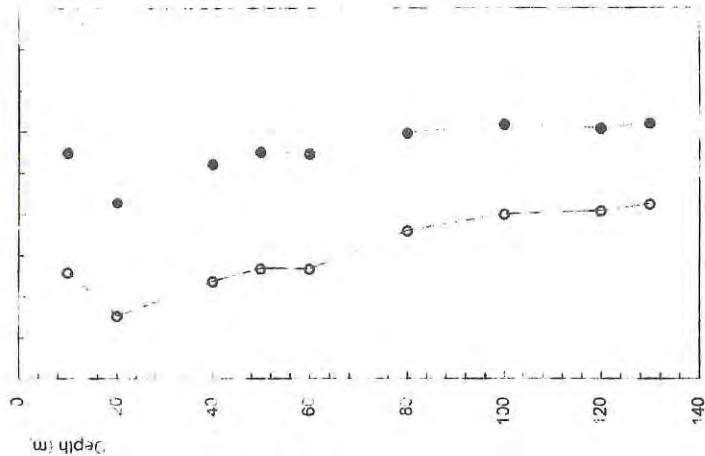
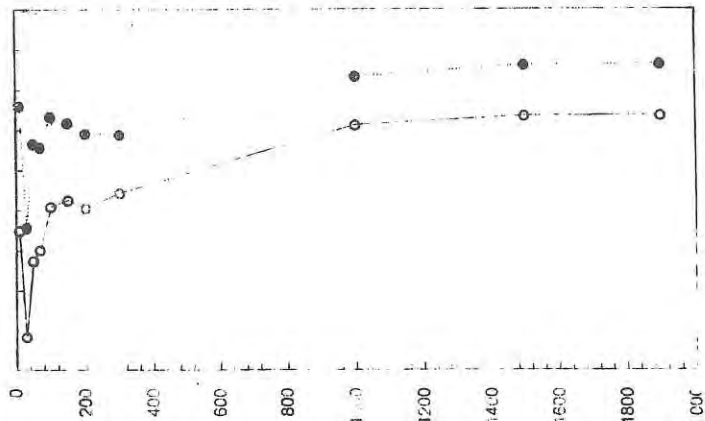
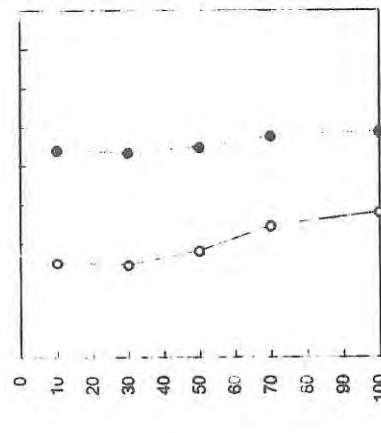
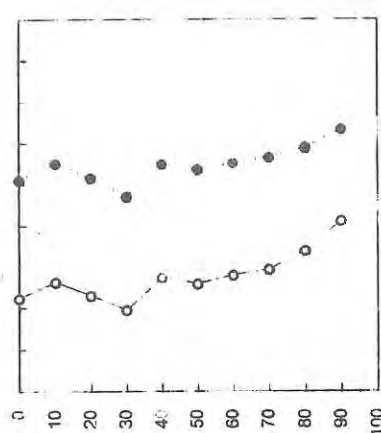
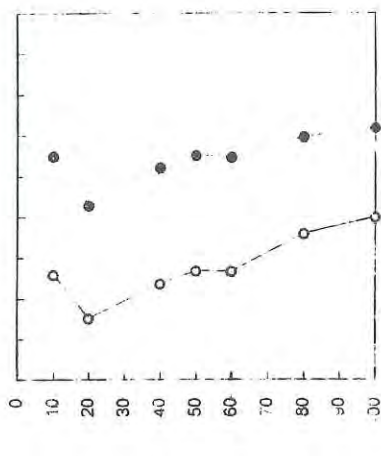
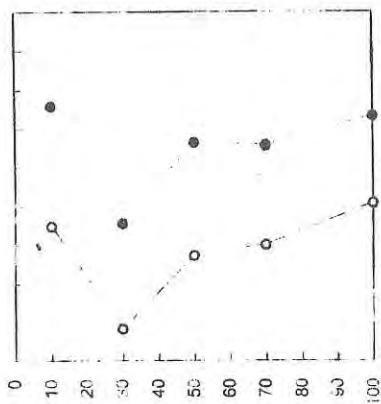
Station 67 USE GF/F

o = Dissolved Inorganic Carbon (mmol/l)

● = Total Alkalinity (meq/l)

o = Dissolved Inorganic Carbon (mmol/l)

● = Total Alkalinity (meq/l)



Station 71 USE GF/F

Station 70 USE GF/F

Station 68 USE GF/F

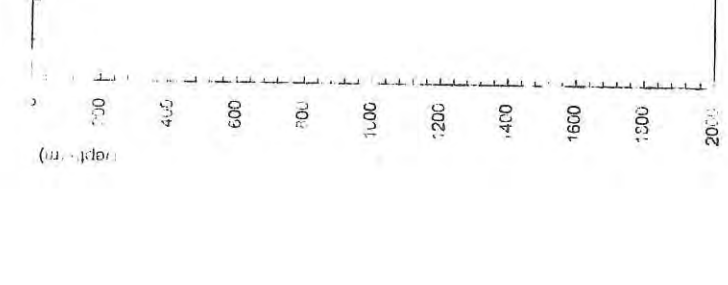
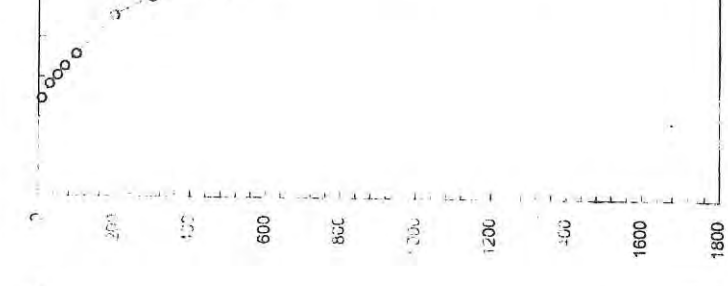
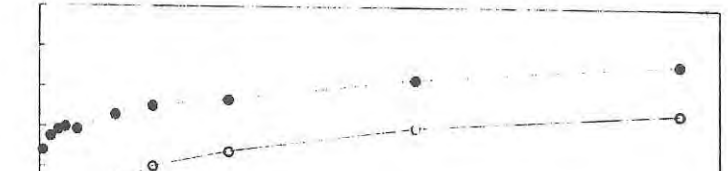
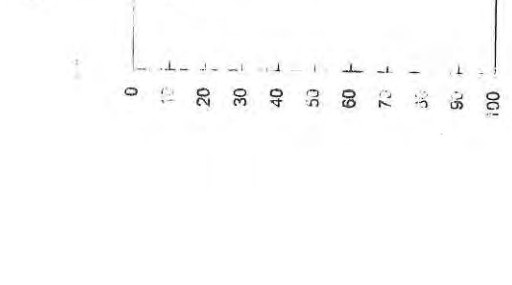
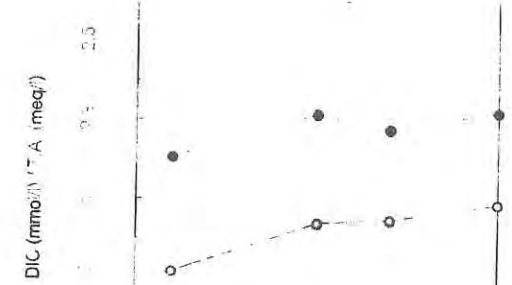
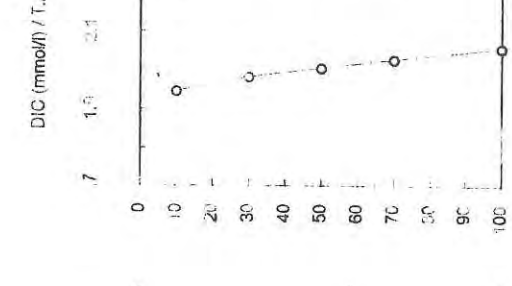
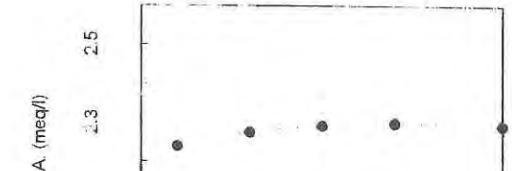
Station 68 USE GF/F

● = Total Alkalinity (meq/l)

○ = Dissolved inorganic Carbon (mmol/l)

● = Total Alkalinity (meq/l)

○ = Dissolved Inorganic Carbon (mmol/l)



Station 72 USE GF/F

Station 73 USE GF/F

Station 74 USE GF/F

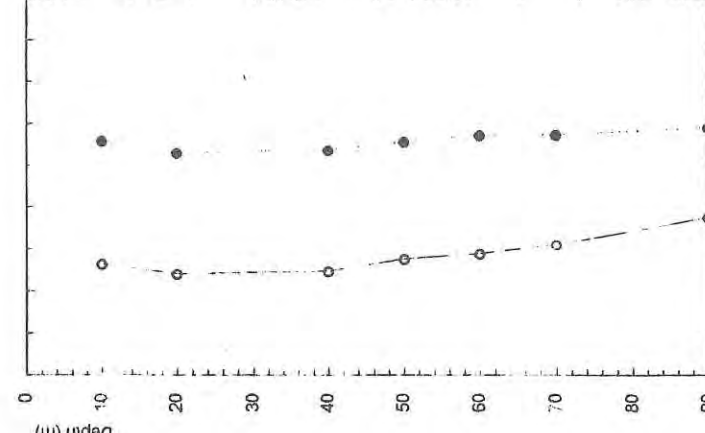
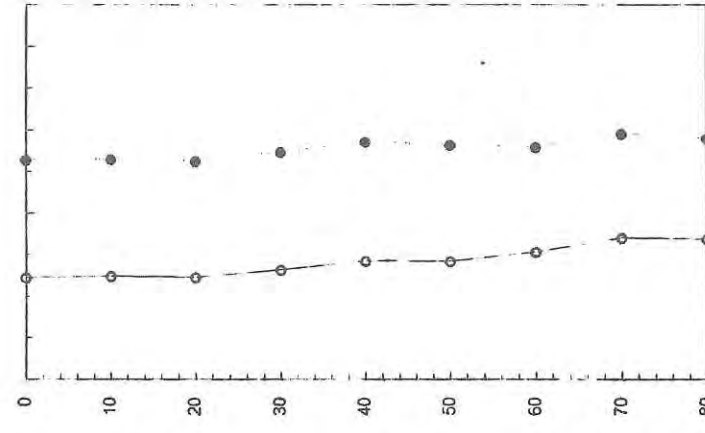
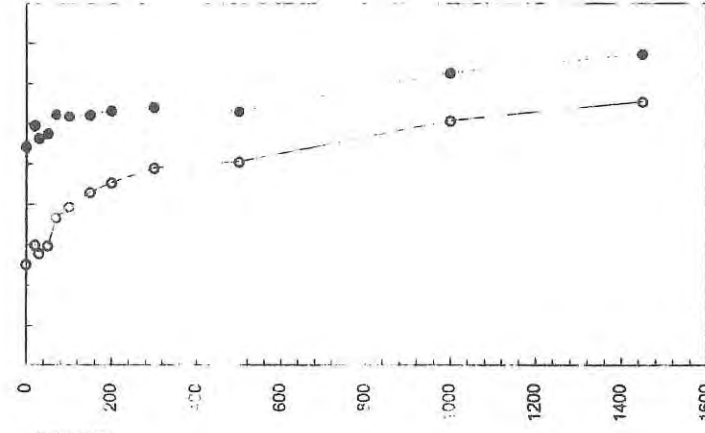
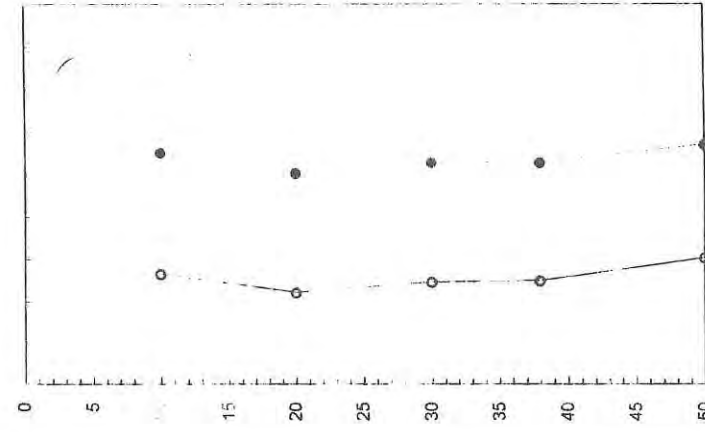
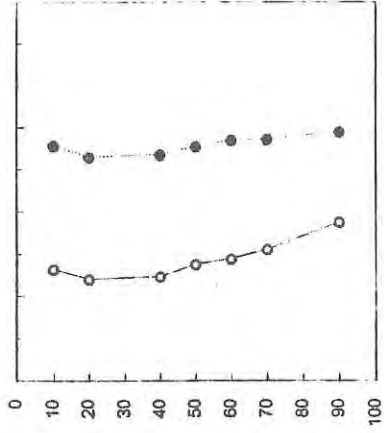
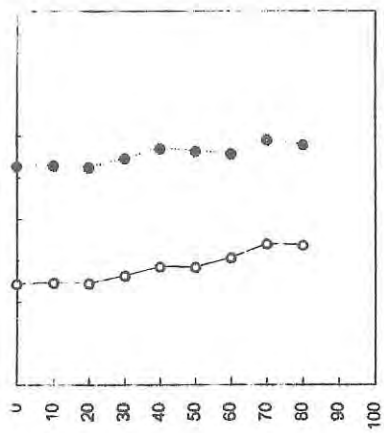
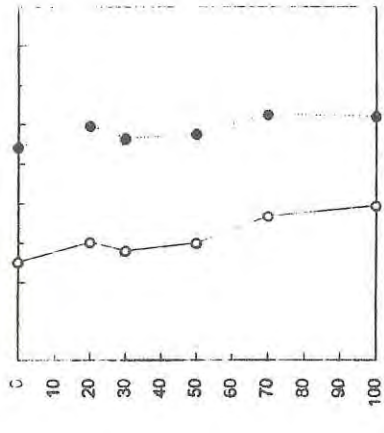
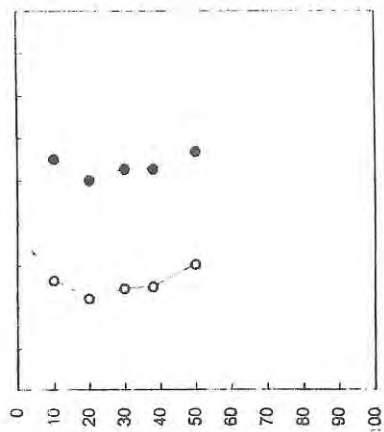
Station 75 USE GF/F

o = Dissolved Inorganic Carbon (mmol/l)

● = Total Alkalinity (meq/l)

o = Dissolved Inorganic Carbon (mmol/l)

● = Total Alkalinity (meq/l)

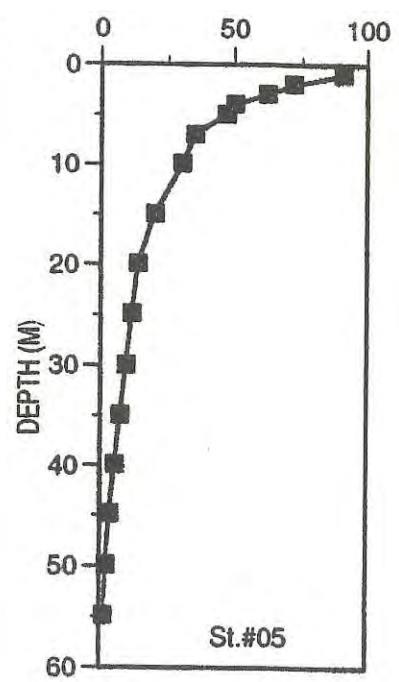
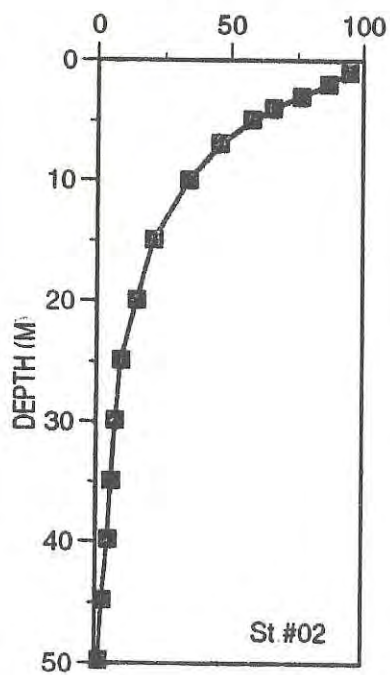
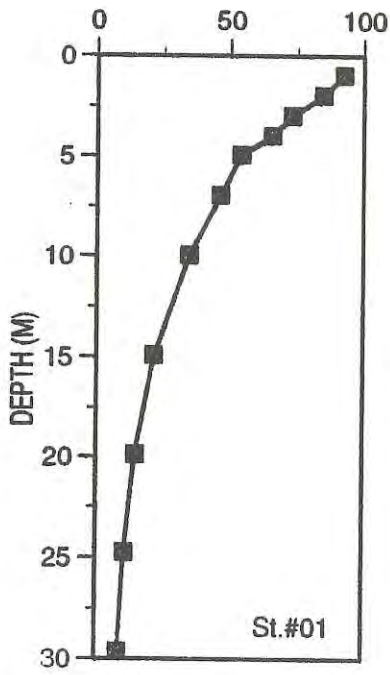


Station 79 USE GF/F
 Station 78 USE GF/F
 Station 77 USE GF/F
 Station 76 USE GF/F

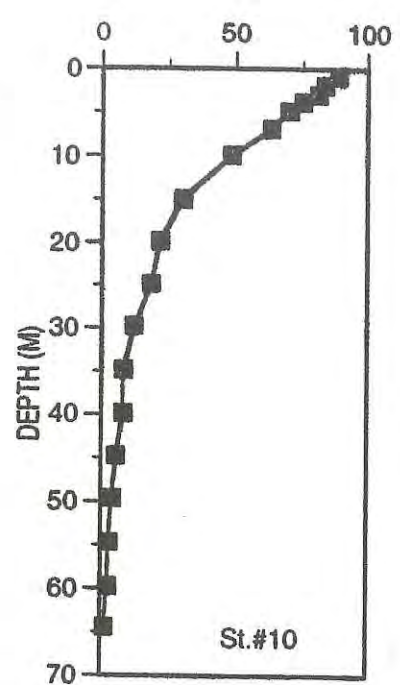
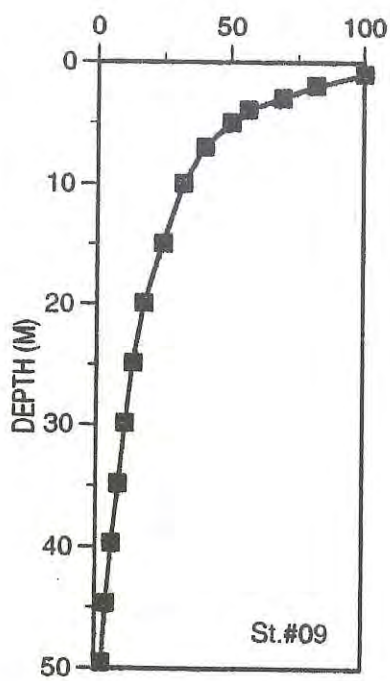
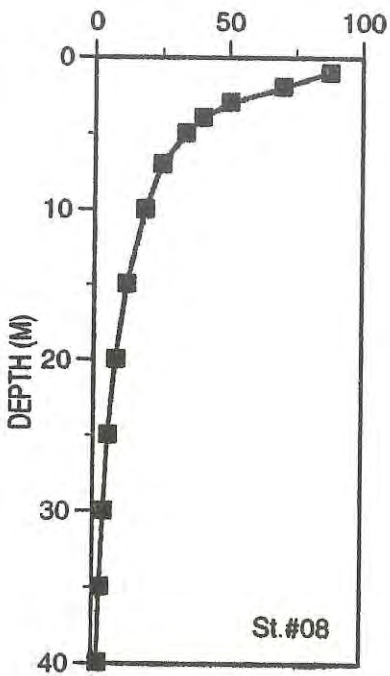
o = Dissolved Inorganic Carbon (mmol/l)
 ● = Total Alkalinity (meq/l)

o = Dissolved Inorganic Carbon (mmol/l)
 ● = Total Alkalinity (meq/l)

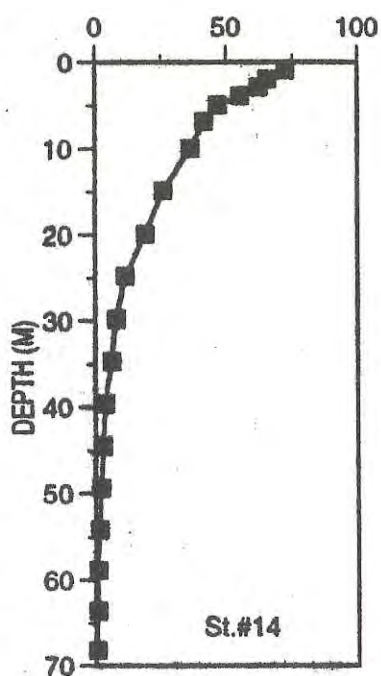
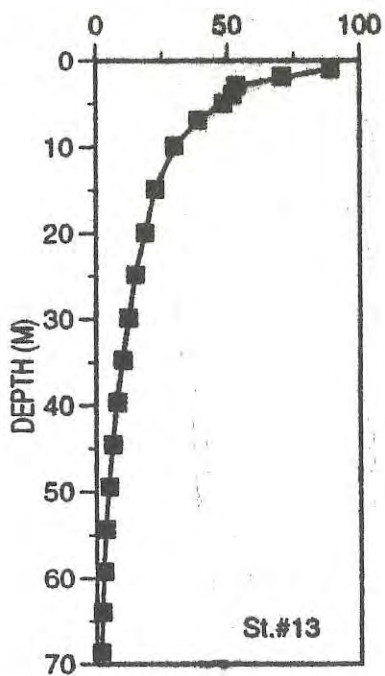
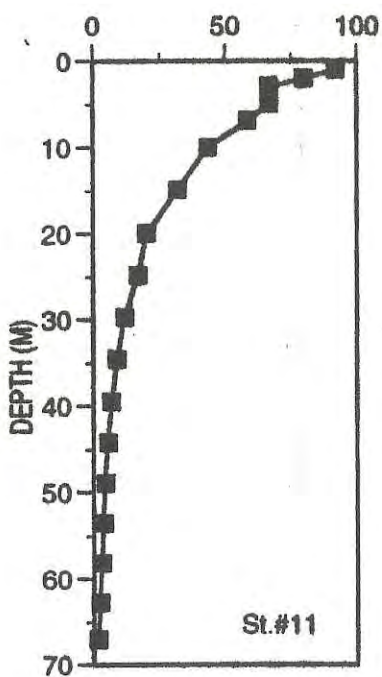
% OF SURFACE



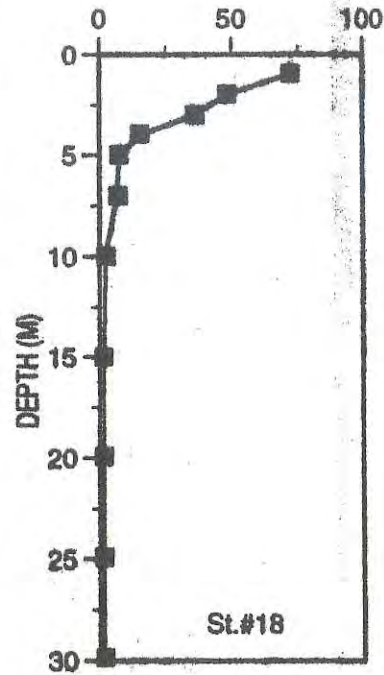
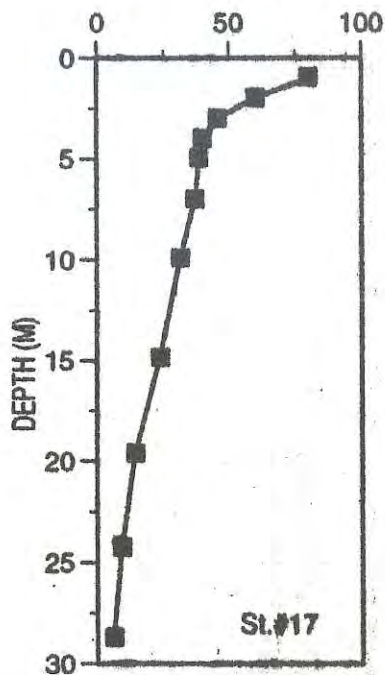
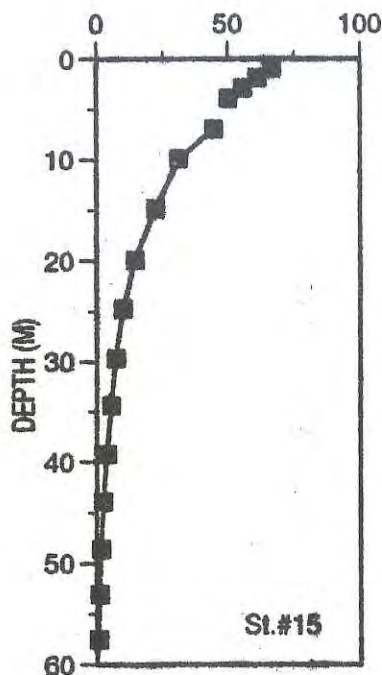
% OF SURFACE



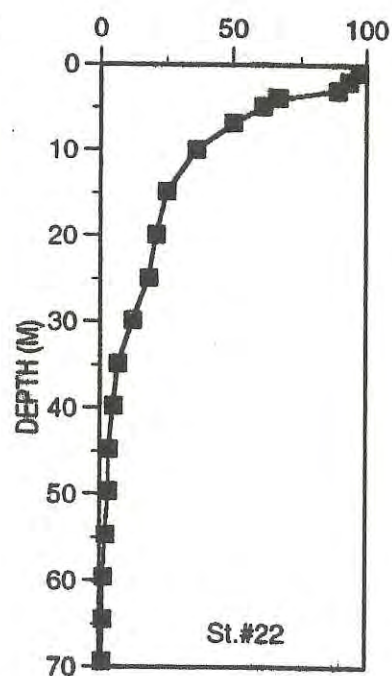
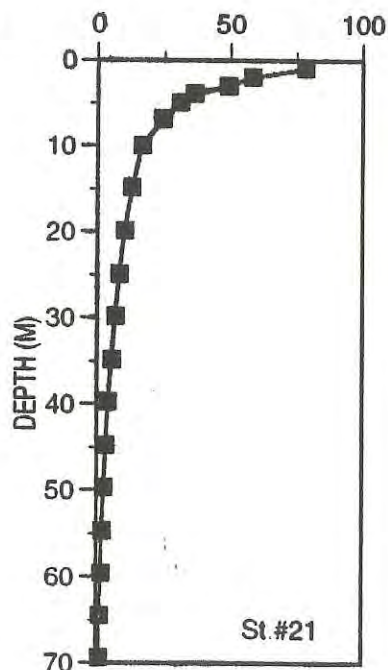
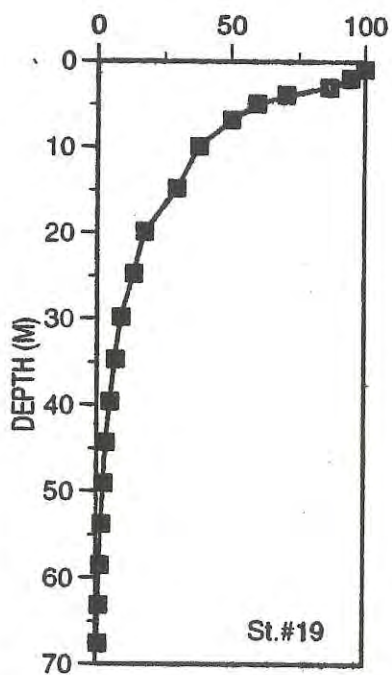
% OF SURFACE



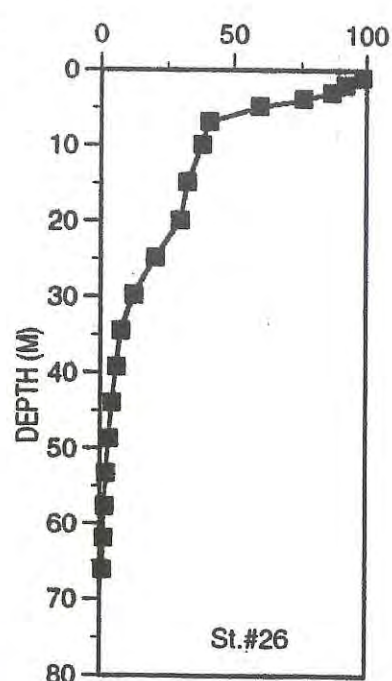
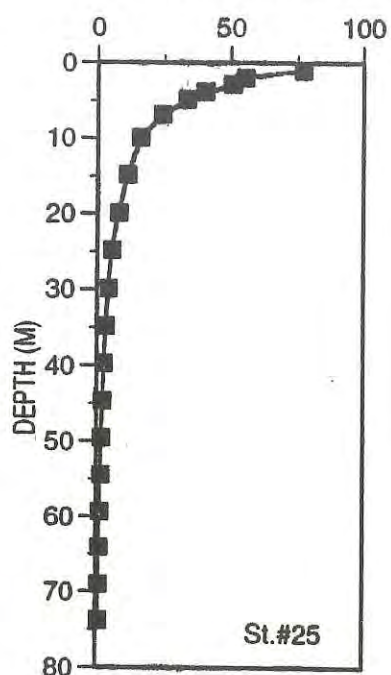
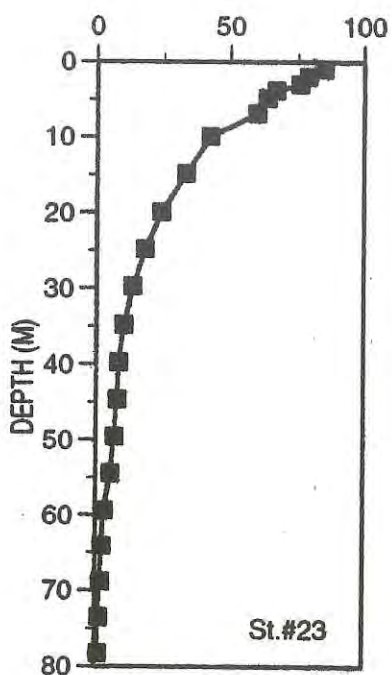
% OF SURFACE



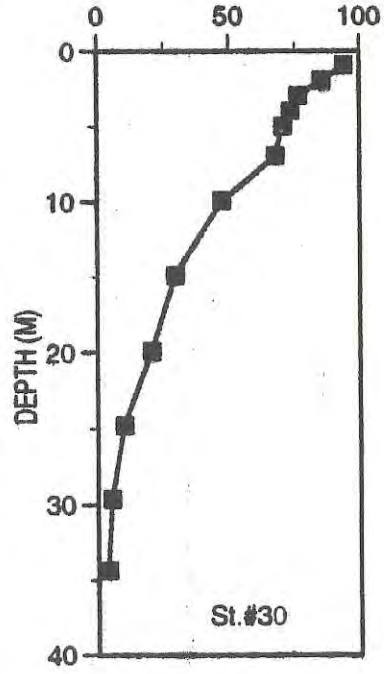
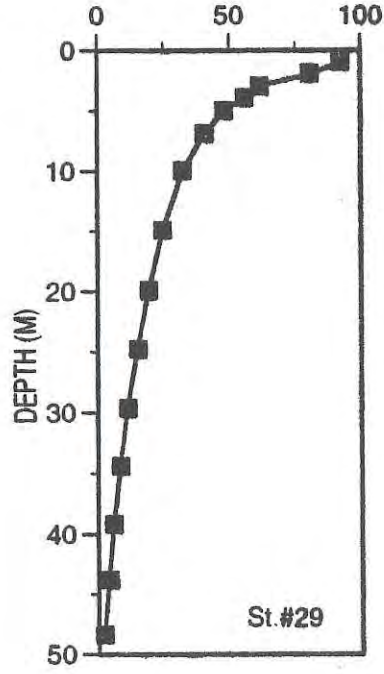
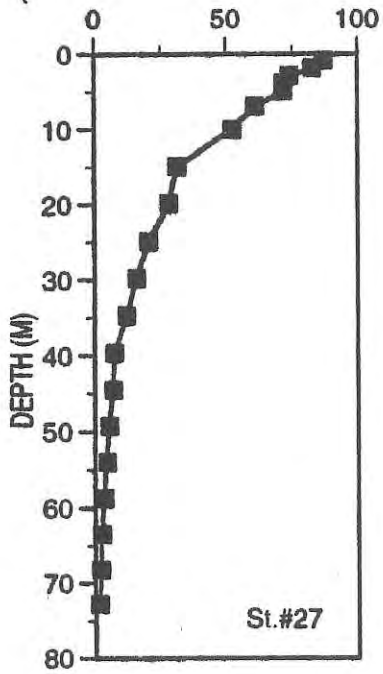
% OF SURFACE



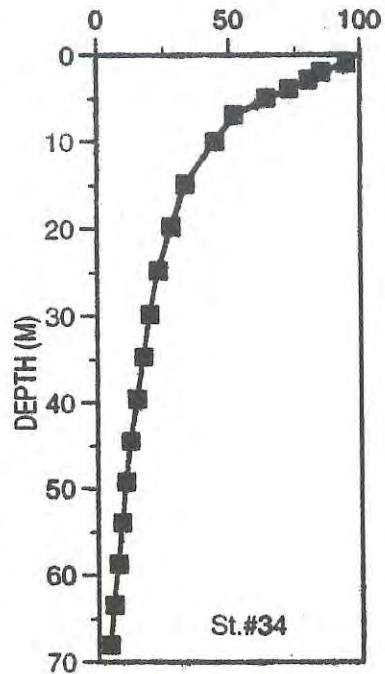
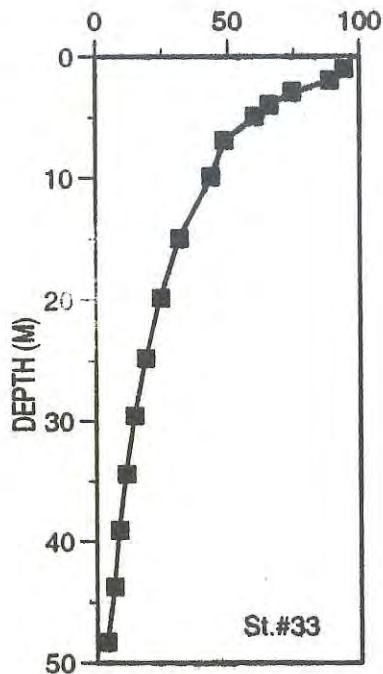
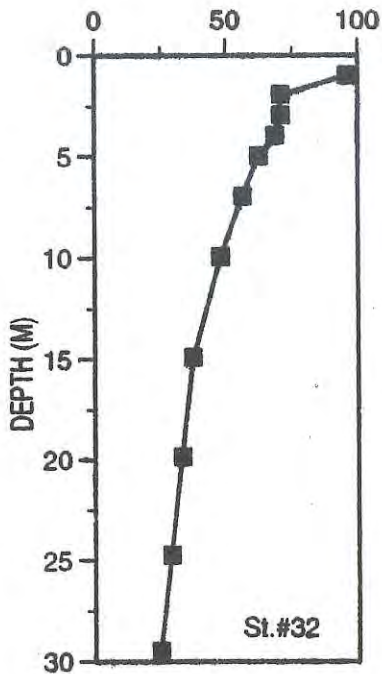
% OF SURFACE



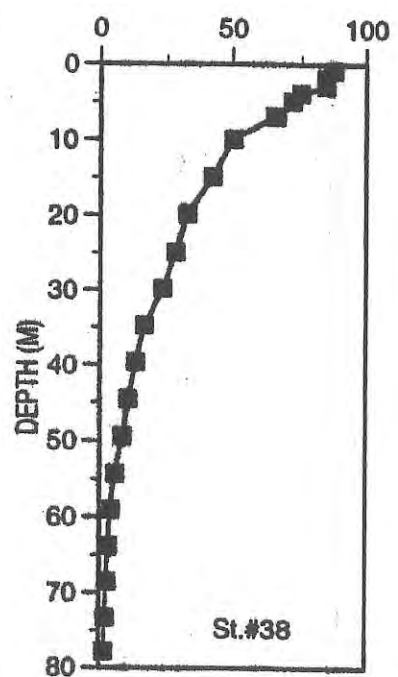
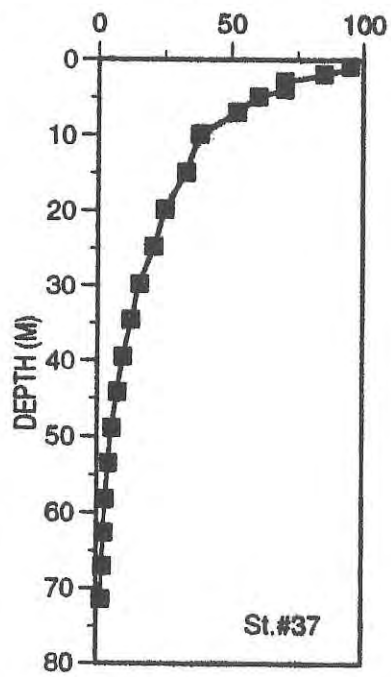
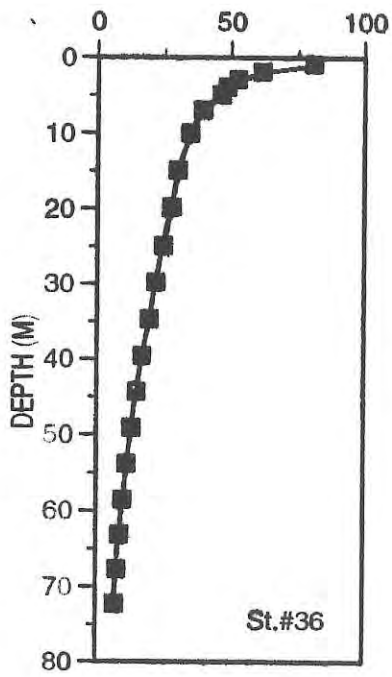
% OF SURFACE



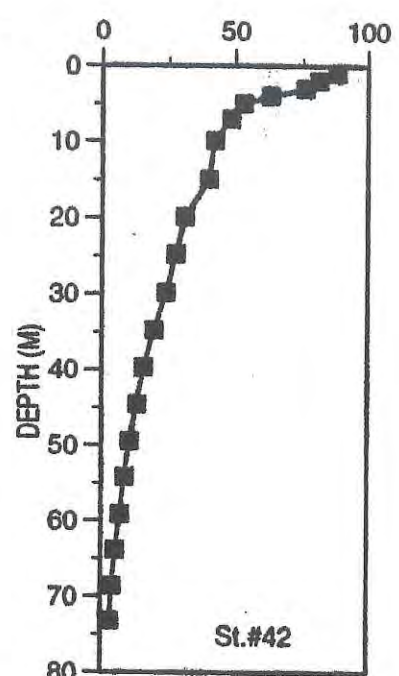
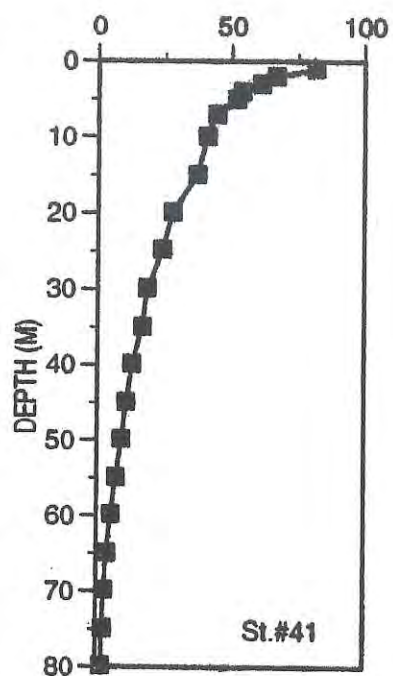
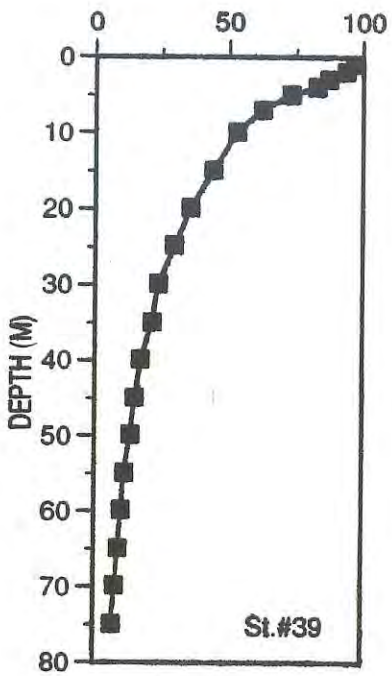
% OF SURFACE



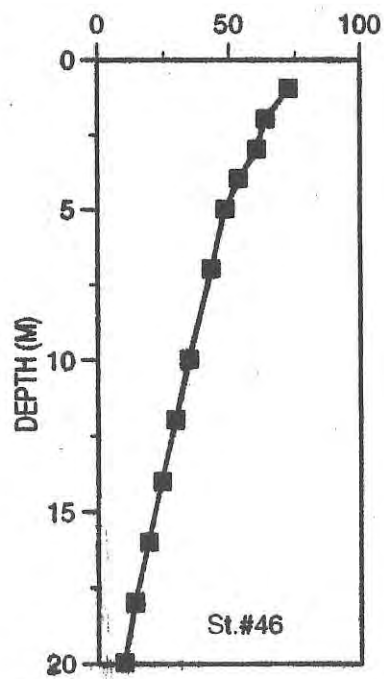
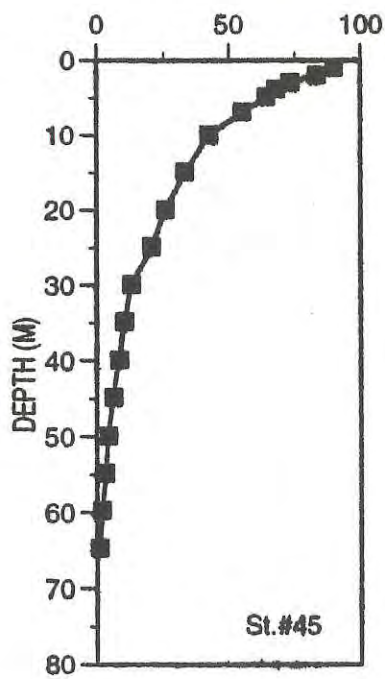
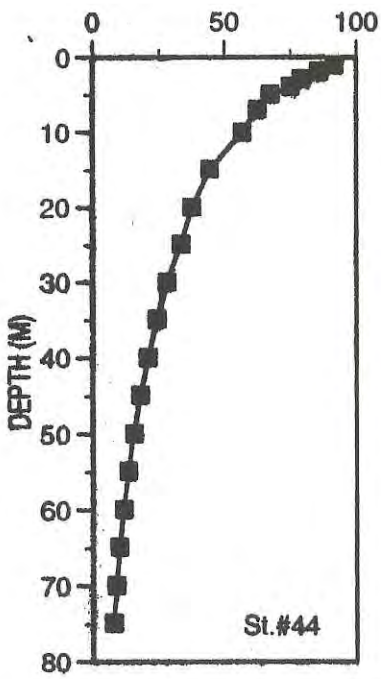
% OF SURFACE



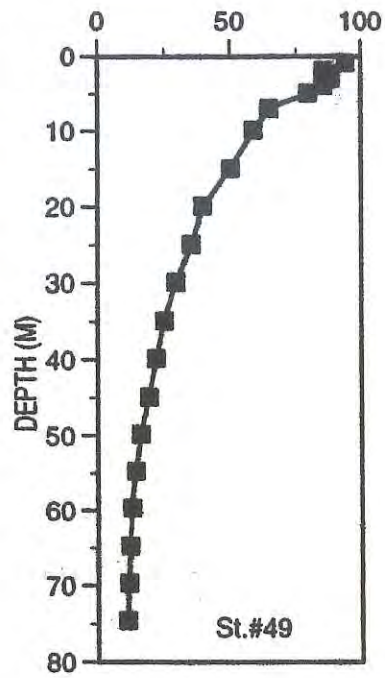
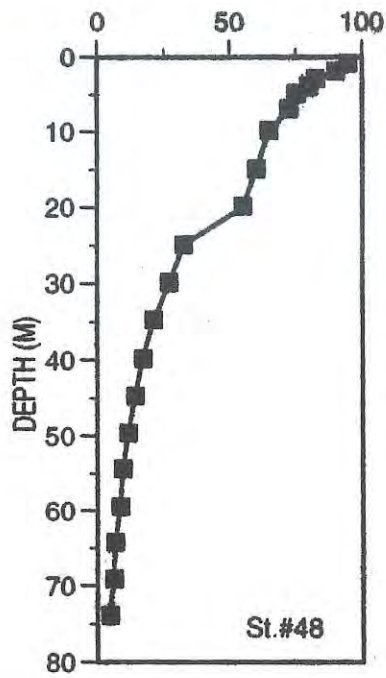
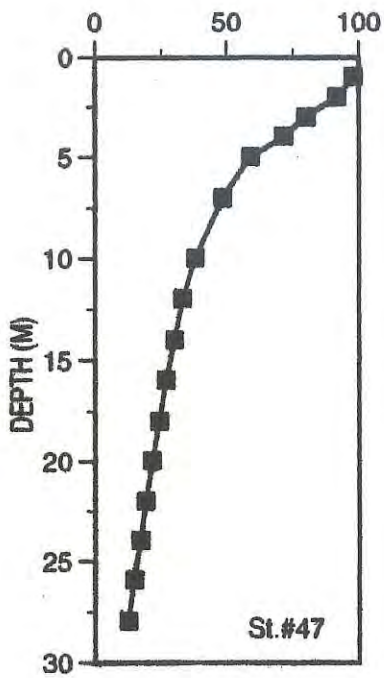
% OF SURFACE



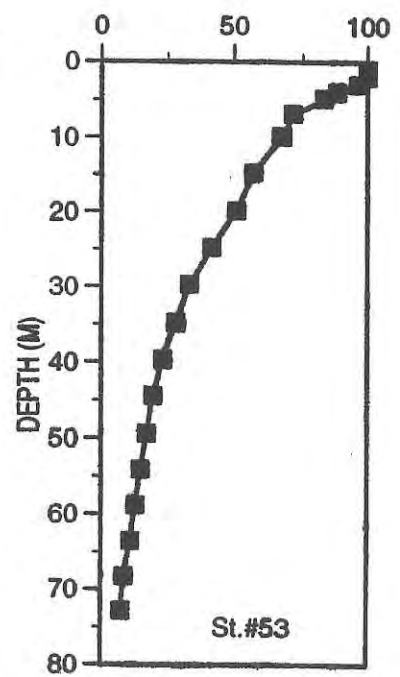
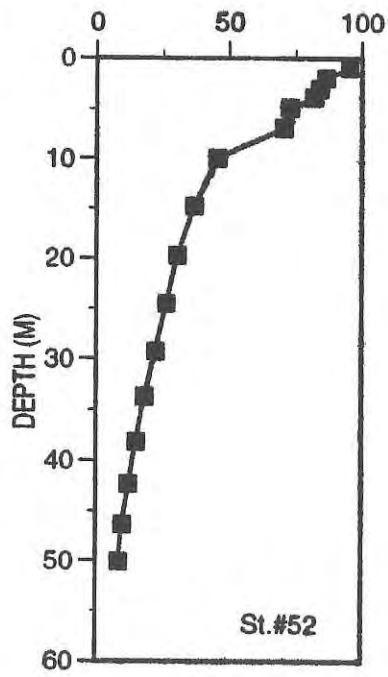
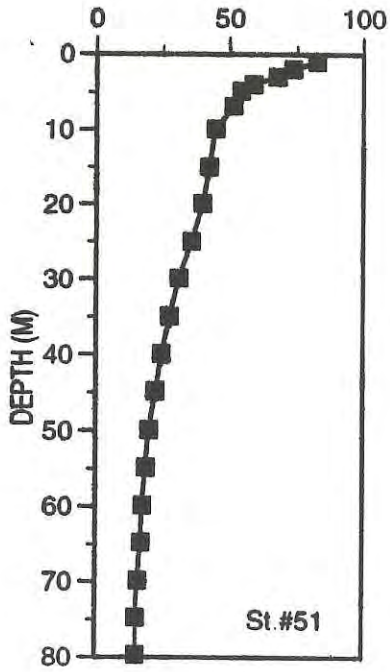
% OF SURFACE



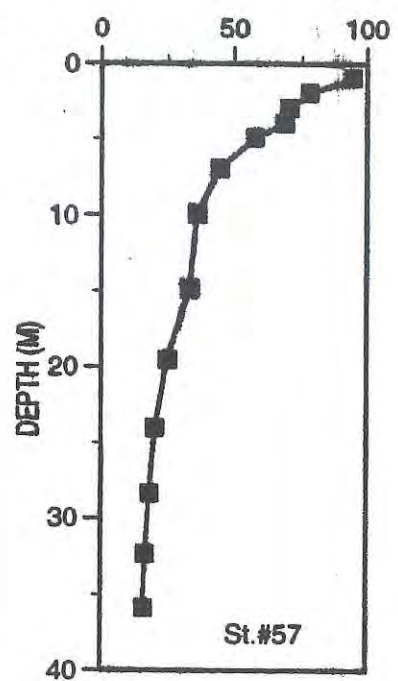
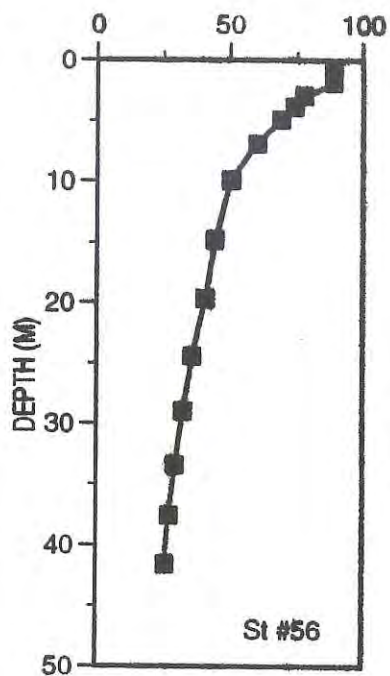
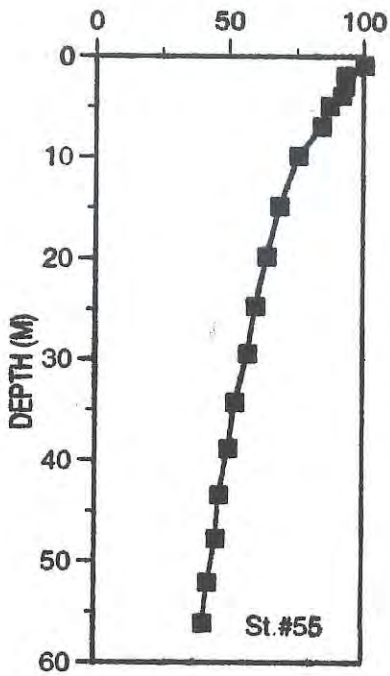
% OF SURFACE



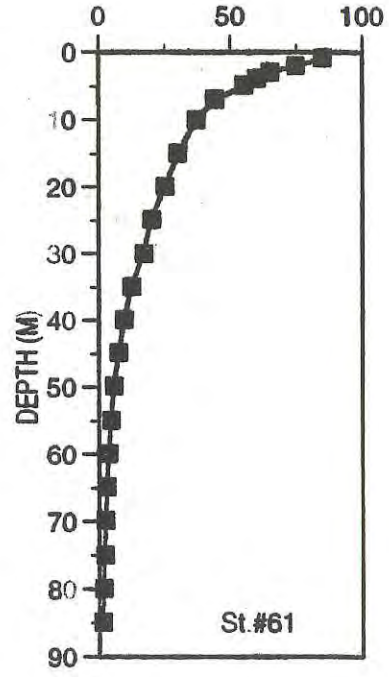
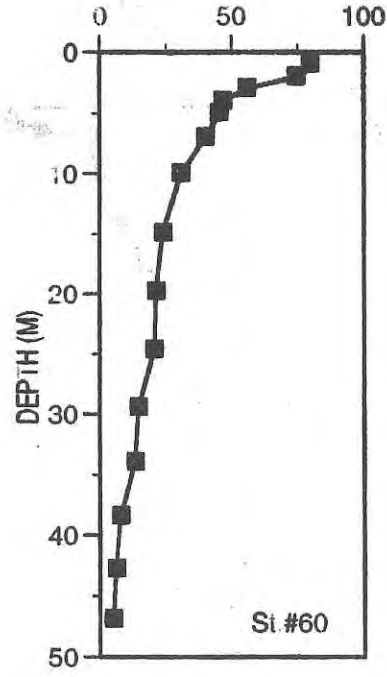
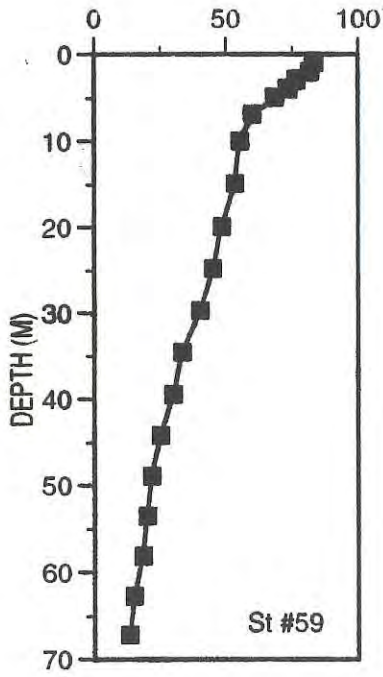
% OF SURFACE



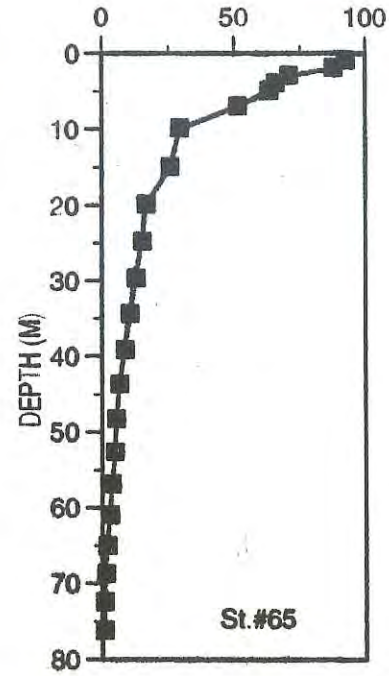
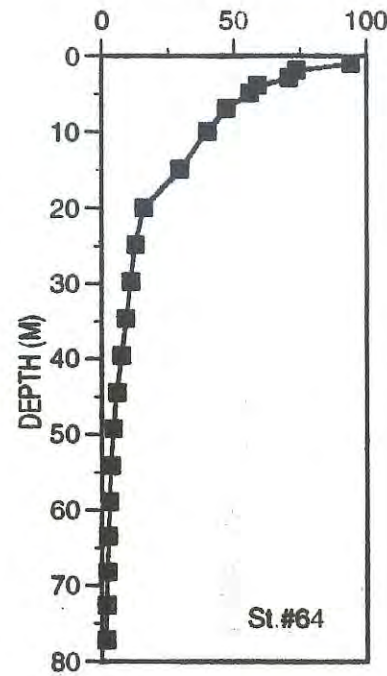
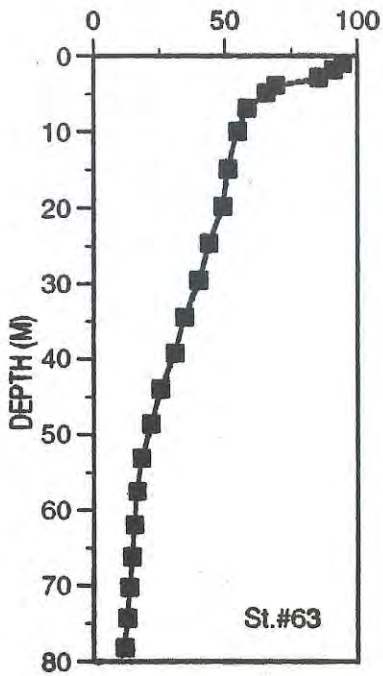
% OF SURFACE



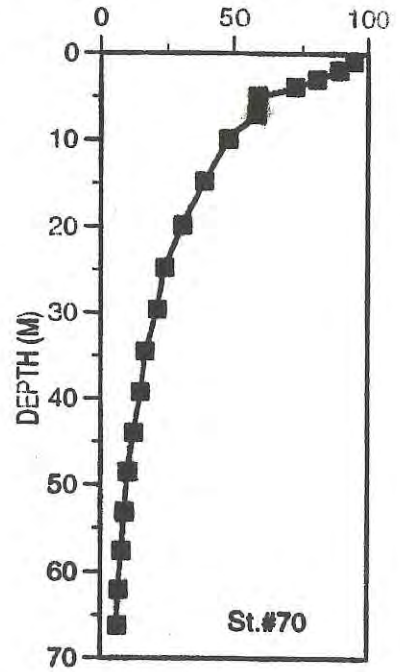
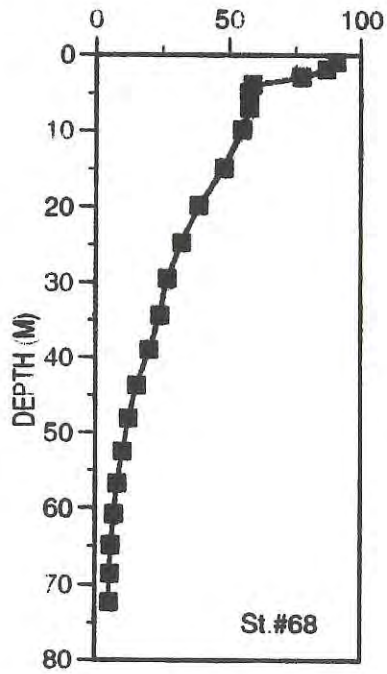
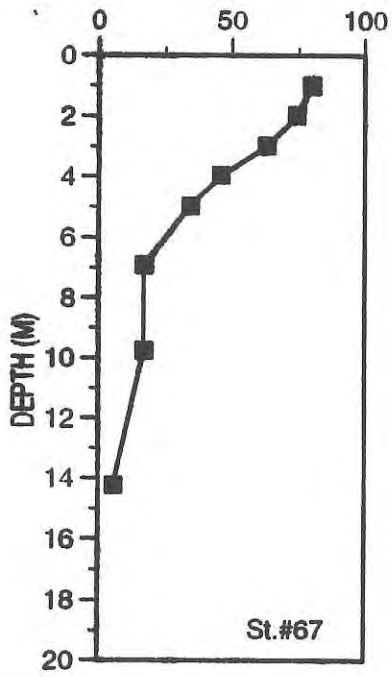
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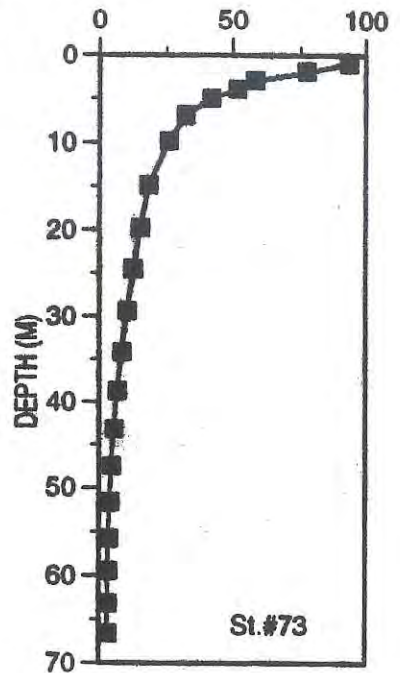
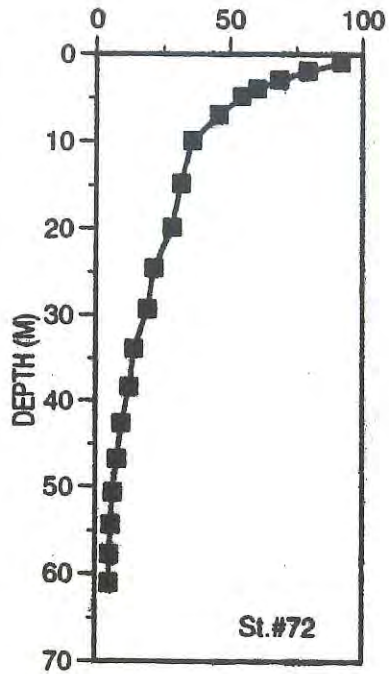
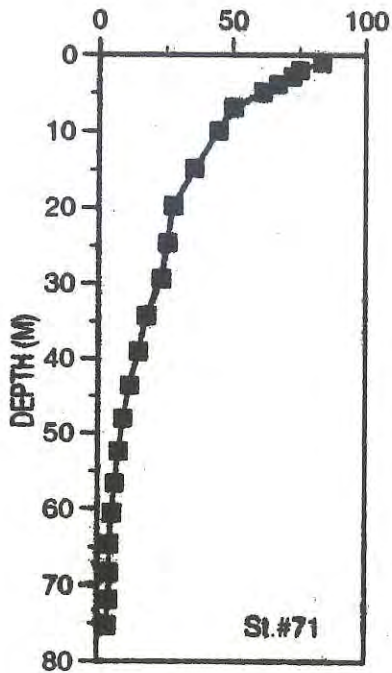
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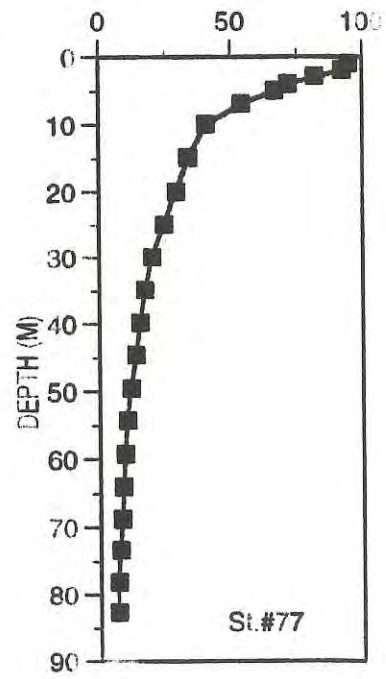
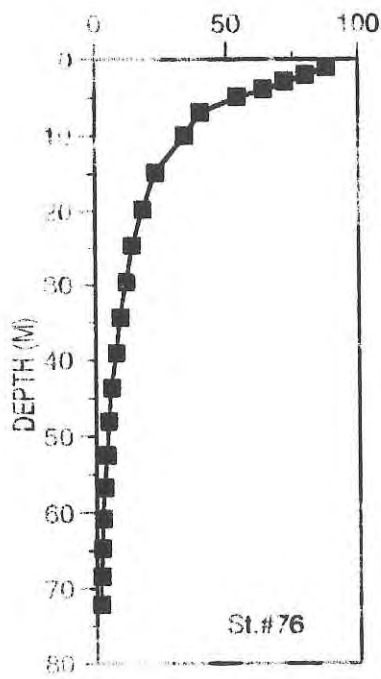
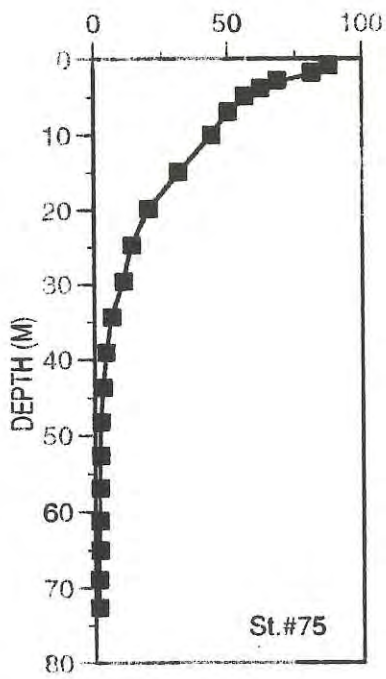
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