

**Data Report of RV “Polarstern”  
Cruise ARK IV/1, 1987  
to the Arctic and Polar Fronts**

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with contributions by participants**



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### Summary

This report includes the physical, chemical and biological data of RV "Polarstern" cruise ARK IV/1. Details concerning the scientific program and the cruise will be published in the cruise report of RV "Polarstern" cruise ARK IV in the same series.

The data in this volume are the property of the authors and may not be cited without prior reference to the author.

More complete data sets of some parameters are available in ASCII code on IBM DOS discs or VAX VMS compatible tapes.

### Zusammenfassung

Im folgenden Bericht sind die physikalischen, chemischen und biologischen Daten der "Polarstern"-Fahrt ARK IV/1 zusammengefaßt. Einzelheiten über das wissenschaftliche Programm und den Fahrtverlauf finden sich im Fahrtbericht der ARK IV-Expedition, der in der gleichen Reihe erscheint.

Die in diesem Band enthaltenen Daten sind Eigentum der Autoren und dürfen nur nach Rücksprache zitiert werden.

Einzelne Datensätze sind in ausführlichen Versionen als IBM DOS Disketten in ASCII code oder auf VAX VMS kompatiblen Magnetbändern erhältlich.

## Station list

### Abbreviations

XBT: Expendable bathythermograph (deep blue version,  
900 m)

BR0: "Bio-Rosette", rosette water sampler 6 x 30 l

R0: Neil Brown CTD + rosette water sampler 12 x 12 l  
F: at stations indicated by "F" only chlorophyll-  
fluorescence was measured and the CTD was not  
used

OS: Optic sonde

MU: Multi-net

B0: Bongo-net

PLA: Phytoplankton-net

BS: Rosette water sampler 24 x 6 l

SB0: "Schließ-Bongo"



Station No	Date 1987	Time	Latitude N	Longitude E	Depth (m)	XBT	BRO	RO	OS	MU	BO	PLA	BS	SBO
015	19.05.	05.29	74.06'	06.51'	2867	X								
015a	19.05.	05.46	74.07'	06.41'	2975	X								
015b	19.05.	06.00	74.07'	06.31'	2860	X								
016	19.05.	06.13	74.08'	06.24'	3113	X								
017	19.05.	06.25	74.08'	06.14'	3253	X								
018	19.05.	06.38	74.09'	06.07'	3305	X								
019	19.05.	06.54	74.09'	05.57'	3302	X								
020	19.05.	07.04	74.10'	05.49'	3010	X								
021	19.05.	07.20	74.10'	05.41'	2906	X								
022	19.05.	07.35	74.11'	05.32'	2850	X								
023	19.05.	07.51	74.11'	05.21'	2780	X								
024	19.05.	08.10	74.12'	05.07'	4570	X								
025	19.05.	08.30	74.12'	04.54'	4390	X								
026	19.05.	08.57	74.13'	04.37'	3505	X								
027	19.05.	09.25	74.14'	04.19'	3970	X								

Station No	Date 1987	Time	Latitude N	Longitude E	Depth (m)	XBT	BRO	RO	OS	MU	BO	PLA	BS	SBO
028	19.05.	12.08 14.15	74.15' 74.15'	05.35' 05.35,4'	2800 2859		x	F	x	x	x	x	x	x
029	19.05.	15.54 16.40	74.15' 74.15'	06.20' 06.19'	3579 3579	x		F		x	x	x		
030	19.05.	18.03 20.39	74.16' 74.15'	06.25' 06.23'	3394 3568	x	x	x	x	x	x			
031	19.05.	21.25 22.44	74.15' 74.15'	06.34' 06.34'	3921 3047			x	x		x	x	x	
032	19.05. 20.05.	23.19 00.15	74.15' 74.15'	06.45' 06.44'	3304 3270	x		F			x	x	x	
033	20.05.	01.07 02.04	74.15' 74.15'	07.05' 07.04'	2319 2418			F			x		x	
034	20.05.	03.33 05.27	74.15' 74.14'	07.48' 07.48'	1393 1458		x	F		x	x	x	x	x
035	20.05.	05.45	74.14'	07.53'	2835	x								
036	20.05.	06.06	74.14'	07.59'	3084	x								
037	20.05.	06.23	74.15'	08.14'	2925	x								
038	20.05.	06.33 06.38	74.15' 74.15'	08.17' 08.16'	3041 3075			F						



Station No	Date 1987	Time	Latitude N	Longitude E	Depth (m)	XBT BRO RO OS	MU BO PLA BS SBO
039	20.05.	06.54	74.15'	08.23'	2623	X	
040	20.05.	07.12	74.15'	08.35'	2678	X	
041	20.05.	07.26	74.15'	08.40'	2922	F	
		07.32	74.15'	08.38'	2676	F	
042	20.05.	07.33	74.15'	08.38'	2680	X	
043	20.05.	07.42	74.15'	08.42'	2426	X	
044	20.05.	08.17	74.15'	08.58'	2934	F	
		08.21	74.15'	08.58'	3442	F	
045	20.05.	08.30	74.15'	08.56'	2996	X	
046	20.05.	08.58	74.16'	08.42'	3465	X	
047	20.05.	09.22	74.16'	08.28'	2667	X	
048	20.05.	09.47	74.17'	08.14'	2509	X	
049	20.05.	10.11	74.18'	08.00'	2447	X	
050	20.05.	10.57	74.20'	07.39'	2363	F	
		11.01	74.20'	07.39'	2363	F	
051	20.05.	11.06	74.20'	07.38'	2385	X	

Station No	Date 1987	Time	Latitude N	Longitude E	Depth (m)	XBT	BRO	RO	OS	MU	BO	PLA	BS	SBO
052	20.05.	11.29	74.21'	07.26'	2710	x								
053	20.05.	11.49	74.21'	07.15'	2223	x								
054	20.05.	12.19	74.21'	06.58'	2711	x								
055	20.05.	12.40	74.22'	06.50'	2555			F						
056	20.05.	13.48 13.58	74.23' 74.23'	06.20' 06.20'	2151	x		F						
057	20.05.	14.59	74.25'	05.51'	3394	x		F						
058	20.05.	16.09	74.26'	05.20'	3024	x		F						
059	20.05.	17.14 17.20	74.26' 74.28'	04.50' 04.50'	3375 3375	x		F						
060	20.05.	18.40 18.45	74.30' 74.30'	04.09' 04.09'	2876	x		F						
061	21.05.	03.11 05.34	74.30' 74.29'	09.30' 09.34'	2437 2445	x	x	F	x	x	x	x	x	x
062	21.05.	05.54 07.46	74.30' 74.30'	08.52' 08.56'	2634 2624	x		F						
063	21.05.	08.48 10.18	74.30' 74.29'	08.25' 08.29'	2961 3054	x		F	x	x	x	x		

Station No	Date 1987	Time	Latitude N	Longitude E	Depth (m)	XBT	BRO	RO	OS	MU	BO	PLA	BS	SBO
064	21.05.	11.33 12.10	74.30' 74.30'	07.50' 07.50'	2606 2608	x		F			x	x		
065	21.05.	13.07 14.33	74.30' 74.30'	07.20' 07.18'	2006 1947	x		F	x		x	x	x	
066	21.05.	15.14 17.22	74.30' 74.30'	07.02' 06.55'	2410 2476	x	x	F	x	x	x	x	x	
067	21.05.	17.40 19.12	74.30' 74.30'	06.46' 06.49'	2876 2882	x		F	x		x		x	
068	21.05.	20.10 21.02	74.30' 74.30'	06.19' 06.19'	2480	x		F			x	x		
069	21.05.	22.04 23.01	74.30' 74.30'	05.49' 05.47'	3430 3380	x		F			x	x		
070	21.05. 22.05.	23.29 00.55	74.29' 74.30'	05.39' 05.40'	2838 2828	x		F			x	x		
071	22.05.	01.56 02.53	74.30' 74.30'	05.05' 05.05'	3131	x		F			x	x	x	
072	22.05.	04.30 06.08	74.30' 74.30'	04.11' 04.10'	3336 2852		x	F		x	x		x	x
073	22.05.	14.15	74.46'	08.56'	3803	x								
074	22.05.	14.41	74.47'	08.38'	2851	x								

Station No	Date 1987	Time	Latitude N	Longitude E	Depth (m)	XBT	BRO	RO	OS	MU	BO	PLA	BS	SBO
075	22.05.	15.10	74.48'	08.18'	3244	x								
076	22.05.	15.51	74.49'	07.51'	2334	x								
077	22.05.	16.18	74.50'	07.33'	2541	x								
078	22.05.	16.53	74.51'	07.10'	2738	x								
079	22.05.	17.20	74.51'	06.52'	2570	x								
080	22.05.	17.48	74.53'	06.34'	2708	x								
081	22.05.	18.19	74.54'	06.16'	2008	x								
082	22.05.	18.41	74.54'	06.07'	2220				F					
		18.45	74.54'	06.07'	2619	x								
083	22.05.	19.11	74.56'	05.50'	2643	x								
084	22.05.	19.47	74.56'	05.28'	1963	x								
085	22.05.	20.18	74.57'	05.06'	1917	x								
086	22.05.	20.51	74.58'	04.44'	3392	x								
087	22.05.	21.50	75.00'	04.10'	3166		x	F		x	x	x	x	x
		23.24	75.00'	04.06'	3145									
088	23.05.	01.08	74.58'	05.01'	3204				F			x		

Station No	Date 1987	Time	Latitude N	Longitude E	Depth (m)	XBT	BRO	RO	OS	MU	BO	PLA	BS	SBO
089	23.05.	03.00 04.36	74.56' 74.56'	05.28' 05.26'	3111 2200				F	x	x	x	x	
090	23.05.	05.35	74.55'	05.50'	2626				F x		x		x	
091	23.05.	08.53 10.25	74.54' 74.53'	06.15' 06.14'	2697 2681				F x		x	x	x	
092	23.05.	11.43 13.26	74.51' 74.52'	06.42' 06.40'	2623 2560				F x		x	x		
093	23.05.	14.05 14.54	74.52' 74.52'	06.53' 06.58'	2587 2591				F		x	x		
094	23.05.	15.41 17.52	74.51' 74.50'	07.13' 07.14'	2372 2393		x		F x	x	x	x	x	x
095	23.05.	21.25 22.55	75.09' 75.09'	09.01' 09.05'	2596 2617				x					
096	24.05.	01.19 02.38	75.81' 75.11'	07.47' 07.49'	3292 3350				x					
097	24.05.	04.45 06.12	75.12' 75.13'	06.35' 06.36'	2618 2651				x					
098	24.05.	08.19 09.46	75.13' 75.13'	05.23' 05.23'	3055 3011				x					
099	24.05.	12.00 13.21	75.16' 75.15'	04.19' 04.12'	2977 3008				x					

Station No	Date 1987	Time	Latitude N	Longitude E	Depth (m)	XBT BRO RO OS	MU BO PLA BS SBO
100	24.05.	18.00	74.53'	06.34'	2617	11 drifters	
		20.55	74.55'	06.34'	2655		
101	24.05.	22.00	75.00'	06.39'	2510	x F x	x x x x
		25.05.	23.00	75.00'	06.39'		
102	26.05.	01.58	75.04'	07.47'	2820	x F	x x x x
		03.37	75.04'	07.47	2893		
103	26.05.	04.33	75.05'	07.20'	2340	F x	x x
		06.13	75.05'	07.22'	2315		
104	26.05.	07.23	75.06'	07.04'	2320	F	x x
		08.35	75.07'	07.05'	2404		
105	26.05.	09.40	75.06'	06.43'	2339	F x	x x x x
		12.06	75.07'	06.49'	2188		
106	26.05.	13.21	75.08'	06.19'	2749	F	x
		14.14	75.09'	06.20'	2747		
107	26.05.	15.10	75.10'	05.58'	2896	F x	x x x
		16.45	75.10'	05.58'	2887		
108	26.05.	17.53	75.11'	05.35'	2781	F	x
		18.39	75.10'	05.36'	2750		
109	26.05.	19.47	75.12'	05.12'	3216	x	x x x
		20.43	75.12'	05.13'	3201		

Station No	Date 1987	Time	Latitude N	Longitude E	Depth (m)	XBT BRO	RO	OS	MU	BO	PLA	BS	SBO
110	26.05.	21.45	75.13'	04.48'	3011	X	F		X	X	X	X	X
		23.23	75.13'	04.50'	3250								
111	27.05.	01.04.	75.16'	04.01'	3192	F	F		X				
		02.19'	75.16'	04.03'	3104								
112	27.05.	04.11	75.19'	03.00'	3188	F	F						
		04.21	75.19'	03.00'	3188								
113	27.05.	06.10	75.22'	02.00'	2930	F	F	X	X	X			
		07.43	75.23'	02.01'	2940								
114	27.05.	09.30	75.25'	00.58'	1777	F	F		X	X			
		09.56	75.25'	00.57'	1821								

Station No	Date 1987	Time	Latitude N	Longitude W	Depth (m)	XBT BRO	RO	OS	MU	BO	PLA	BS	SBO
115	27.05.	11.41	75.28'	00.00,1'	3344	F			X				
		12.21	75.28'	00.00,1'E	3758								
116	27.05.	14.12	75.32'	0 1.00'	3750	X	F						
117	27.05.	15.58	75.35'	02.00'	3726	F	F	X	X	X			X
		18.17	75.35'	02.02'	3725								
118	28.05.	08.26	77.30'	00.01'	3173	F							X
		08.45	77.30'	00.01'	3173								

Station No	Date 1987	Time	Latitude N	Longitude W	Depth (m)	XBT BRO RO OS	MU BO PLA BS SBO
119	28.05.	10.00	77.30'	00.25'	3162	X	
120	28.05.	10.56 11.30	77.30' 77.30'	01.00' 01.00'	2744	X F	
121	28.05.	12.31	77.30'	01.29'	3112	X	
122	28.05.	13.40 14.27	77.30' 77.30'	02.00' 02.00'	3091 3098	X F	
123	28.05.	15.58	77.30'	02.35'	2639	X	
124	28.05.	16.57 17.30	77.29' 77.29'	02.57' 02.56'	3052 3052	X F	
125	28.05.	18.50	77.29'	03.30'	2992	X	
126	28.05.	18.56	77.30'	03.33'	2983	X	
127	28.05.	19.28	77.30'	03.38'	2483	X	
128	28.05.	21.18 21.55	77.30' 77.30'	04.00' 04.00'	2863 2867	X F	
129	28.05.	23.53	77.29'	04.35'	1496	X	
130	29.05.	00.42 01.20	77.24' 77.24'	05.00' 04.59'	1151 1159	X F	
131	29.05.	03.38	77.23'	05.28'	699	X	



Station No	Date 1987	Time	Latitude N	Longitude W	Depth (m)	XBT	BRO	RO	OS	MU	BO	PLA	BS	SBO	
132	29.05.	04.26	77.24'	05.44'	447					x	x			x	
		06.14	77.23'	05.45'	413										
133	29.05.	10.43	77.40'	03.31'	2898				x		x	x	x		
		12.17	77.39'	03.33'	2900										
134	29.05.	12.56	77.41'	03.20'	2950				x						
		15.40	77.45'	02.06'	3038										
135	29.05.	15.54	77.45'	02.06'	3038				x		x		x		
		17.25	77.45'	02.04'	3036										
136	29.05.	18.27	77.45'	01.40'	3037				x	x	x		x		
		20.16	77.45'	01.38'	3038										
137	29.05.	21.15	77.46'	01.17'	3055						x	x	x		
		22.20	77.46'	01.16'	3056										
138	29.05.	23.25	77.47'	00.54'	3058						x				
		30.05.	00.12	77.46'	00.54'										
139	30.05.	01.25	77.49'	00.07'	3117						x	x	x		
		02.38	77.49'	00.08'	3115										
140	30.05.	04.17	77.52'	01.01'E	3133						x				
		05.12	77.52'	01.02'E	3130										
141	30.05.	06.49	77.55'	02.04'	3119						x				
		07.45	77.55'	02.03'	3118										

Station No	Date 1987	Time	Latitude N	Longitude W	Depth (m)	XBT	BRO	RO	OS	MU	BO	PLA	BS	SBO
142	30.05.	09.11	77.57'	03.00'E	3144									
		10.00	77.57'	03.02'E	3151							X	X	
143	30.05.	10.30	77.58'	03.34'E	3161		X							
		12.53	77.58'	00.34'E	3166			F	X		X	X	X	X
144	30.05.	17.38	78.00'	00.00'	3101									
		18.22	78.00'	00.01'E	3100									
145	30.05.	19.50	78.00'	00.60'W	3050									
		20.35	78.00'	01.00'W	3049									
146	30.05.	22.05	78.00'	01.59'	2982									
		22.44	78.00'	01.60'	2982									
147	31.05.	00.17	78.00'	03.01'	2842									
		00.52	78.00'	03.01'	2827									
148	31.05.	02.23	78.00'	04.01'	2574									
		02.56	78.00'	04.01'	2567									
149	31.05.	04.45	78.00'	04.27'	2177		X							
		06.50	77.59'	04.30'	2186			F	X		X	X	X	X
150	31.05.	09.00	78.02'	03.04'	2674									
		10.30	78.01'	03.39'	2697							X	X	X
151	31.05.	11.50	78.04'	08.80'	2804									
		13.33	78.04'	03.09'	2808							X	X	X

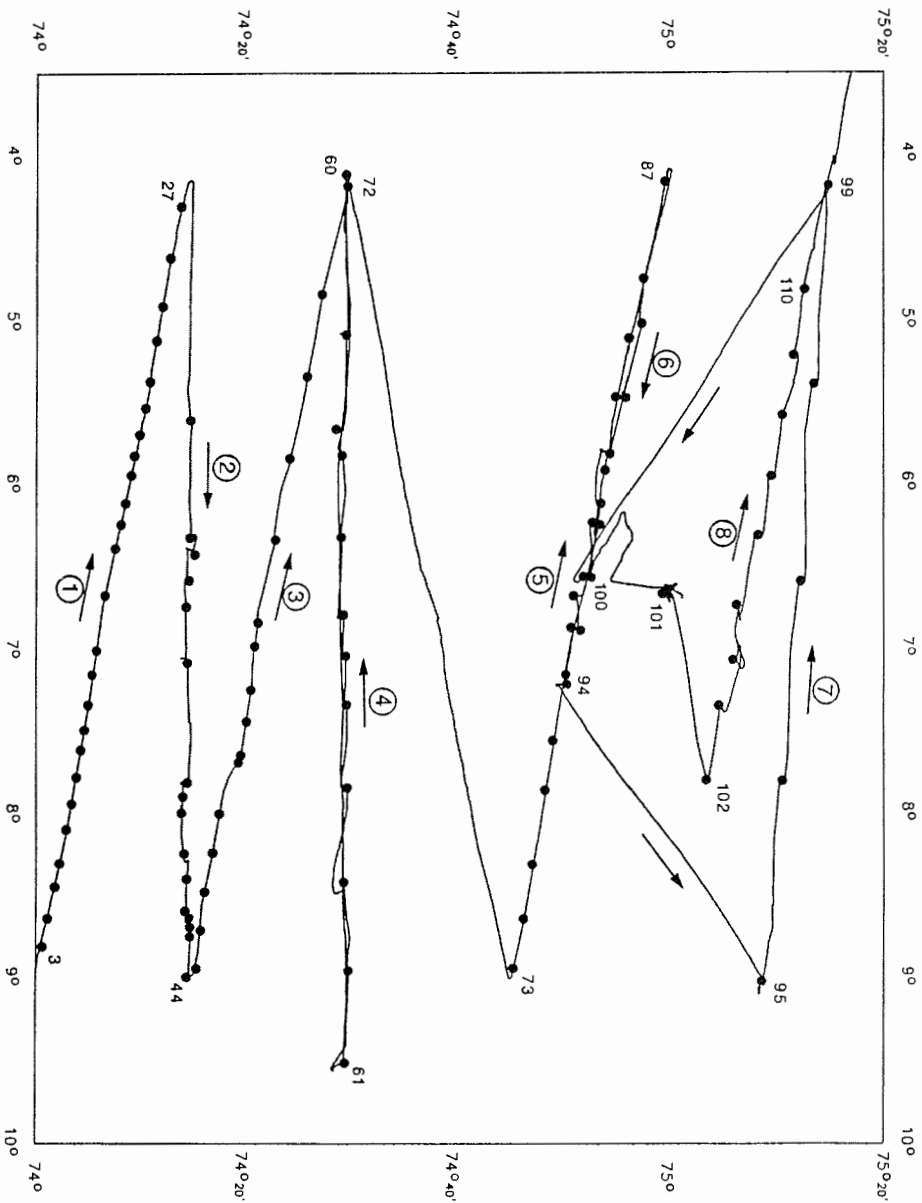
Station No	Date 1987	Time	Latitude N	Longitude W	Depth (m)	XBT BRO RO OS	MU BO PLA BS SBO
152	31.05.	14.47	78.06'	02.21'	2937	F x	x x x
		16.17	78.06'	02.23'	2933		
153	31.05.	17.56	78.08'	01.28'	3010	F	x x x x
		19.07	78.08'	01.26'	3010		
154	31.05.	20.18	78.10'	00.42'	3074	F	x x x
		21.09	78.10'	00.43'	3070		
155	31.05.	22.30	78.12'	00.06'W	3045	F	x x
		24.00	78.12'	00.01'E	3047		
156	01.06.	01.20	78.14'	00.54'E	3021	F	x x x
		02.56	78.15'	00.52'E	3006		
157	01.06.	04.45	78.17'	02.10'E	1936	x F x	x x x
		06.59	78.18'	02.07'E	1924		
158	01.06.	09.43	78.20'	00.00,4'W	2205	F	
		10.15	78.20'	00.01,2'W	3006		
159	01.06.	11.55	78.20'	01.02'W	2911	F x	
		13.38	78.20'	01.03'W	2974		
160	01.06.	15.00	78.20'	01.59'	2944	F	
		15.34	78.20'	01.58'	2944		
161	01.06.	18.00 19.20	78.21'	03.05'	2633	Eisgang F	

Station No	Date 1987	Time	Latitude N	Longitude W	Depth (m)	XBT BRO RO OS	MU BO PLA BS SBO
162	01.06.	20.08 20.15	78.20' 78.20'	03.30' 03.30'	2422 2422	F	
163	01.06. 02.06.	22.15 00.14	78.19' 78.18'	04.07' 04.08'	1886	Eisgang x F	x x x x x
164	02.06.	01.10 01.53	78.18' 78.17'	03.39' 03.41'	2375 2372	F	x
165	02.06.	02.24 02.44	78.17'	03.32'	2486	F	
166	02.06.	03.25 04.22	78.17' 78.16'	03.16' 03.17'	2639 2629	F	x x x
167	02.06.	05.37 06.21	78.17' 78.17'	03.01' 03.03'	2756 2749	F	x
168	02.06.	07.40 09.31	78.19' 78.19'	02.41' 02.44'	2828 2817	x F x	x x
169	02.06.	11.02 11.50	78.22' 78.22'	02.08' 02.09'	2909 2910	F	x x
169a	02.06.	12.44 13.37	78.24' 78.23'	01.46' 01.47'	2929 2931	F x	
170	02.06.	14.49 15.37	78.29' 78.29'	01.10' 01.11'	2842 2842	F	x x

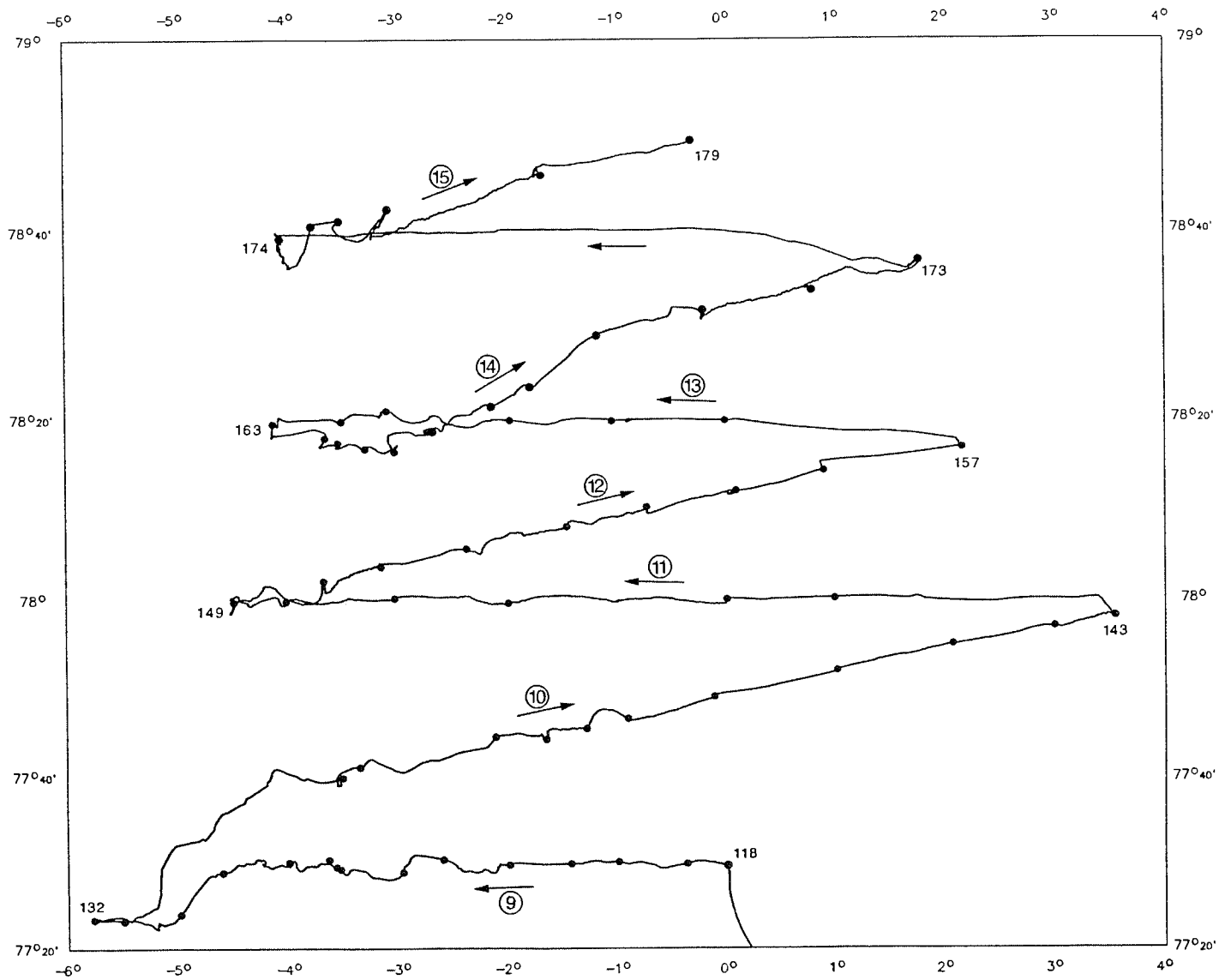
Station No	Date 1987	Time	Latitude N	Longitude W	Depth (m)	XBT	BRO	RO	OS	MU	BO	PLA	BS	SBO
171	02.06.	17.10	78.32'	00.12'	2775				F x		x	x		
		18.23	78.31'	00.13'	2787									
172	02.06.	19.51	78.34'	00.46'E	2303				F		x	x		
		20.32	78.34'	00.45'E	2167									
173	02.06.	22.13	78.37'	01.47'E	2399									
	03.06.	00.42	78.36'	01.39'E	2394	x			F		x	x	x	x x
174	03.06.	08.15	78.39'	04.02'	1709									
		12.09	78.36'	03.58'	1809				F x		x	x		x
175	03.06.	12.59	78.41'	03.46'	1976				F					
		13.05	78.41'	03.46'	1983									
176	03.06.	13.44	78.41'	03.31'	2136				F		x			
		14.26	78.41'	03.33'	2122									
177	03.06.	16.00	78.42'	03.05'	2392	Eis			F x		x	x	x	
		18.38	78.40'	03.10'	2315									
178	03.06.	20.50	78.46'	01.41'	2729				F		x	x		x
		21.55	78.46'	01.44'	2734									
179	04.06.	00.01	78.49'	00.20'	2672				F		x	x	x	x x
		02.35	78.49'	00.19'	2668									
180	04.06.	03.14	78.54'	00.00'	2546	Seabeam-Profil								
	05.06.	14.53	78.54'	04.52'	2678									

Station maps

East box



West box



CTD- and XBT-Data (G. Krause, W. Schneider)

CTD measurements with a Neill Brown Ice Version were routinely taken down to 500 db at all major stations and down to 2500 db at some stations of special interest. The deeper casts are not included in this report, due to limitations in printing space. Due to the same fact the data set was reduced to a pressure interval of 2 db from 0 to 50 db, to 4 db from 50 to 100 db and to 20 db for 100 to 500 db. A similar reduction was performed on the XBT-Data.

CTD- and XBT-Data as well will be available interpolated to 1 db or 1 m, respectively, in ASCII code on IBM DOS discs or VAX VMS compatible tapes.

Each CTD data cycle consists of pressure in db, temperature in Degree C, potential temperature in Degree C, conductivity in mmho/cm, salinity in ppt (Practical Salinity Scale 1978) and 'sigmat' in  $\text{kg/m}^3$  (Fofonoff).

For date, time and location of the stations, please refer to the station table.



CTD Station 065

(AWI - Physical Oceanography)

PRESSURE	TEMP.	THETA	COND.	SALIN.	SIGMAT
32.000	2.922	2.920	31.634	35.056	27.937
34.000	2.921	2.919	31.634	35.057	27.938
36.000	2.920	2.918	31.634	35.057	27.938
38.000	2.918	2.916	31.633	35.055	27.937
40.000	2.898	2.896	31.616	35.056	27.940
42.000	2.901	2.898	31.620	35.056	27.939
44.000	2.884	2.881	31.604	35.054	27.939
46.000	2.888	2.885	31.610	35.055	27.940
48.000	2.882	2.879	31.603	35.053	27.938
50.000	2.872	2.869	31.596	35.054	27.940
52.000	2.874	2.871	31.600	35.055	27.941
56.000	2.871	2.868	31.599	35.055	27.941
60.000	2.862	2.858	31.591	35.053	27.941
64.000	2.861	2.857	31.592	35.053	27.941
68.000	2.859	2.855	31.593	35.053	27.941
72.000	2.861	2.857	31.596	35.053	27.941
76.000	2.851	2.846	31.587	35.051	27.939
80.000	2.848	2.843	31.586	35.051	27.940
84.000	2.839	2.834	31.580	35.050	27.940
88.000	2.835	2.830	31.578	35.050	27.941
92.000	2.831	2.825	31.578	35.052	27.943
96.000	2.826	2.820	31.575	35.051	27.942
100.000	2.825	2.819	31.574	35.050	27.941
120.000	2.108	2.101	30.895	34.981	27.948
140.000	1.715	1.708	30.526	34.939	27.945
160.000	1.635	1.627	30.469	34.944	27.955
180.000	1.673	1.664	30.521	34.956	27.962
200.000	1.732	1.722	30.591	34.967	27.966
220.000	1.761	1.749	30.631	34.974	27.970
240.000	1.819	1.806	30.695	34.979	27.969
260.000	1.869	1.855	30.753	34.986	27.971
280.000	1.771	1.756	30.668	34.975	27.970
300.000	1.707	1.691	30.615	34.968	27.969
320.000	1.572	1.555	30.497	34.956	27.970
340.000	1.434	1.417	30.377	34.945	27.971
360.000	1.221	1.203	30.188	34.929	27.973
380.000	1.149	1.130	30.135	34.930	27.979
400.000	1.097	1.078	30.102	34.934	27.986
420.000	0.995	0.975	30.020	34.931	27.990
440.000	0.733	0.713	29.792	34.918	27.997
460.000	0.640	0.619	29.719	34.916	28.001
480.000	0.490	0.469	29.594	34.909	28.005
500.000	0.404	0.382	29.530	34.911	28.011

CTD Station 066

4.000	1.856	1.856	30.575	34.924	27.922
6.000	1.888	1.888	30.611	34.933	27.927
8.000	1.900	1.900	30.620	34.930	27.924
10.000	1.901	1.900	30.624	34.932	27.925
12.000	1.900	1.899	30.625	34.934	27.927
14.000	1.918	1.917	30.642	34.935	27.926
16.000	1.925	1.924	30.649	34.934	27.925
18.000	1.919	1.918	30.643	34.932	27.924
20.000	1.919	1.918	30.646	34.934	27.926
22.000	1.921	1.920	30.649	34.935	27.926
24.000	1.902	1.901	30.629	34.930	27.923
26.000	1.908	1.907	30.640	34.936	27.928
28.000	1.862	1.861	30.596	34.931	27.927
30.000	1.905	1.903	30.635	34.931	27.924
32.000	1.822	1.820	30.540	34.901	27.907
34.000	1.784	1.782	30.508	34.902	27.910
36.000	1.673	1.671	30.465	34.969	27.972
38.000	1.630	1.628	30.370	34.894	27.916
40.000	1.742	1.740	30.518	34.958	27.958
42.000	1.772	1.770	30.532	34.941	27.942
44.000	1.791	1.789	30.554	34.946	27.945
46.000	1.809	1.807	30.569	34.944	27.942
48.000	1.823	1.821	30.580	34.941	27.939
50.000	1.750	1.747	30.515	34.939	27.943
52.000	1.745	1.742	30.511	34.939	27.943
56.000	1.659	1.656	30.420	34.916	27.931
60.000	1.576	1.573	30.358	34.927	27.946
64.000	1.539	1.536	30.325	34.923	27.946
68.000	1.355	1.352	30.162	34.918	27.955
72.000	1.206	1.203	30.015	34.894	27.946
76.000	1.190	1.186	30.004	34.894	27.948
80.000	1.197	1.193	30.018	34.902	27.953
84.000	1.288	1.284	30.101	34.905	27.950
88.000	1.437	1.433	30.250	34.926	27.956
92.000	1.483	1.478	30.296	34.932	27.957
96.000	1.510	1.505	30.322	34.932	27.955
100.000	1.556	1.551	30.366	34.936	27.955
120.000	1.559	1.553	30.384	34.944	27.961
140.000	1.493	1.486	30.332	34.938	27.961
160.000	1.434	1.426	30.288	34.936	27.964
180.000	1.473	1.464	30.336	34.943	27.966
200.000	1.600	1.590	30.468	34.958	27.969
220.000	1.642	1.631	30.519	34.964	27.971
240.000	1.518	1.506	30.410	34.952	27.970
260.000	1.317	1.304	30.230	34.934	27.971
280.000	1.277	1.263	30.202	34.931	27.971
300.000	1.127	1.113	30.077	34.926	27.978
320.000	1.117	1.102	30.083	34.933	27.984
340.000	1.013	0.997	30.000	34.932	27.990
360.000	0.845	0.828	29.858	34.924	27.995
380.000	0.656	0.639	29.699	34.918	28.002
400.000	0.521	0.504	29.588	34.914	28.007
420.000	0.393	0.375	29.482	34.908	28.010
440.000	0.313	0.294	29.422	34.907	28.014
460.000	0.260	0.241	29.385	34.907	28.017
480.000	0.153	0.133	29.300	34.904	28.021
500.000	0.077	0.057	29.243	34.903	28.024

CTD Station 067

4.000	1.759	1.759	30.492	34.927	27.932
6.000	1.763	1.763	30.496	34.926	27.931
8.000	1.763	1.763	30.497	34.926	27.931
10.000	1.764	1.763	30.499	34.926	27.931
12.000	1.772	1.771	30.508	34.928	27.932
14.000	1.771	1.770	30.507	34.926	27.931
16.000	1.771	1.770	30.509	34.927	27.931
18.000	1.768	1.767	30.508	34.928	27.932
20.000	1.757	1.756	30.496	34.925	27.931
22.000	1.747	1.746	30.489	34.926	27.932
24.000	1.739	1.738	30.489	34.934	27.939
26.000	1.757	1.756	30.500	34.926	27.932
28.000	1.738	1.737	30.483	34.924	27.932
30.000	1.735	1.733	30.482	34.925	27.932
32.000	1.715	1.713	30.461	34.920	27.930
34.000	1.681	1.679	30.427	34.913	27.927
36.000	1.663	1.661	30.416	34.917	27.932
38.000	1.609	1.607	30.376	34.926	27.943
40.000	1.684	1.682	30.446	34.931	27.941
42.000	1.720	1.718	30.488	34.942	27.947
44.000	1.765	1.763	30.532	34.948	27.948
46.000	1.766	1.764	30.532	34.945	27.946
48.000	1.767	1.765	30.534	34.945	27.946
50.000	1.763	1.760	30.534	34.948	27.949
52.000	1.763	1.760	30.531	34.944	27.946
56.000	1.765	1.762	30.536	34.945	27.946
60.000	1.766	1.763	30.533	34.938	27.940
64.000	1.678	1.675	30.458	34.938	27.947
68.000	1.683	1.680	30.472	34.948	27.955
72.000	1.745	1.741	30.530	34.951	27.953
76.000	1.811	1.807	30.599	34.963	27.957
80.000	1.820	1.816	30.609	34.963	27.956
84.000	1.798	1.794	30.588	34.958	27.954
88.000	1.793	1.788	30.586	34.959	27.956
92.000	1.793	1.788	30.590	34.961	27.957
96.000	1.776	1.771	30.582	34.968	27.964
100.000	1.690	1.685	30.492	34.947	27.953
120.000	1.645	1.639	30.467	34.953	27.962
140.000	1.523	1.516	30.361	34.942	27.962
160.000	1.488	1.480	30.339	34.941	27.964
180.000	1.436	1.427	30.302	34.939	27.966
200.000	1.370	1.360	30.251	34.937	27.969
220.000	1.303	1.292	30.212	34.951	27.985
240.000	1.298	1.286	30.207	34.937	27.974
260.000	1.217	1.204	30.139	34.929	27.974
280.000	1.288	1.274	30.222	34.944	27.981
300.000	1.051	1.037	30.016	34.933	27.988
320.000	0.941	0.926	29.922	34.924	27.988
340.000	0.739	0.724	29.755	34.921	28.000
360.000	0.569	0.553	29.613	34.916	28.006
380.000	0.454	0.438	29.520	34.913	28.010
400.000	0.373	0.356	29.461	34.915	28.016
420.000	0.246	0.229	29.356	34.908	28.019
440.000	0.160	0.142	29.290	34.907	28.022
460.000	0.110	0.091	29.254	34.904	28.023
480.000	0.008	-0.011	29.174	34.902	28.027
500.000	-0.026	-0.046	29.149	34.895	28.023

CTD Station 068

2.000	1.600	1.600	30.349	34.923	27.941
4.000	1.603	1.603	30.352	34.922	27.940
6.000	1.605	1.605	30.353	34.920	27.939
8.000	1.605	1.605	30.354	34.920	27.938
10.000	1.605	1.605	30.356	34.921	27.939
12.000	1.605	1.604	30.356	34.921	27.939
14.000	1.607	1.606	30.359	34.921	27.939
16.000	1.605	1.604	30.358	34.920	27.939
18.000	1.607	1.606	30.361	34.921	27.939
20.000	1.606	1.605	30.361	34.921	27.939
22.000	1.608	1.607	30.364	34.921	27.939
24.000	1.608	1.607	30.365	34.921	27.939
26.000	1.604	1.603	30.362	34.921	27.939
28.000	1.608	1.607	30.367	34.921	27.939
30.000	1.605	1.604	30.367	34.923	27.941
32.000	1.630	1.628	30.398	34.933	27.947
34.000	1.633	1.631	30.400	34.932	27.946
36.000	1.638	1.636	30.408	34.935	27.948
38.000	1.645	1.643	30.414	34.934	27.946
40.000	1.646	1.644	30.417	34.935	27.947
42.000	1.647	1.645	30.417	34.933	27.946
44.000	1.648	1.646	30.421	34.936	27.948
46.000	1.648	1.646	30.421	34.934	27.947
48.000	1.646	1.644	30.420	34.935	27.947
50.000	1.661	1.658	30.434	34.935	27.946
52.000	1.679	1.676	30.454	34.939	27.948
56.000	1.712	1.709	30.489	34.945	27.950
60.000	1.622	1.619	30.420	34.954	27.964
64.000	1.741	1.738	30.531	34.961	27.960
68.000	1.757	1.754	30.550	34.965	27.963
72.000	1.778	1.774	30.570	34.965	27.961
76.000	1.773	1.769	30.570	34.967	27.963
80.000	1.742	1.738	30.542	34.964	27.963
84.000	1.702	1.698	30.507	34.961	27.964
88.000	1.694	1.690	30.501	34.960	27.964
92.000	1.623	1.618	30.437	34.956	27.966
96.000	1.668	1.663	30.482	34.960	27.966
100.000	1.730	1.725	30.545	34.970	27.969
120.000	1.640	1.634	30.471	34.963	27.970
140.000	1.647	1.640	30.487	34.965	27.971
160.000	1.660	1.652	30.507	34.964	27.969
180.000	1.609	1.600	30.471	34.963	27.973
200.000	1.527	1.517	30.404	34.958	27.974
220.000	1.283	1.272	30.188	34.942	27.980
240.000	1.180	1.169	30.112	34.947	27.991
260.000	0.955	0.943	29.913	34.931	27.993
280.000	0.790	0.777	29.776	34.926	28.000
300.000	0.674	0.661	29.681	34.921	28.004
320.000	0.516	0.502	29.550	34.917	28.009
340.000	0.414	0.400	29.466	34.911	28.011
360.000	0.262	0.247	29.341	34.906	28.016
380.000	0.198	0.183	29.291	34.901	28.015
400.000	0.108	0.092	29.223	34.902	28.021
420.000	0.043	0.026	29.175	34.900	28.023
440.000	-0.023	-0.040	29.126	34.897	28.024
460.000	-0.090	-0.108	29.077	34.897	28.028
480.000	-0.179	-0.197	29.008	34.894	28.030
500.000	-0.242	-0.261	28.962	34.893	28.032

CTD Station 069

2.000	1.689	1.689	30.428	34.924	27.935
4.000	1.702	1.702	30.441	34.926	27.936
6.000	1.775	1.775	30.528	34.953	27.952
8.000	1.702	1.702	30.445	34.928	27.937
10.000	1.700	1.699	30.440	34.923	27.933
12.000	1.714	1.713	30.454	34.924	27.933
14.000	1.707	1.706	30.452	34.927	27.936
16.000	1.704	1.703	30.448	34.924	27.934
18.000	1.699	1.698	30.440	34.920	27.931
20.000	1.684	1.683	30.431	34.923	27.934
22.000	1.690	1.689	30.438	34.923	27.934
24.000	1.683	1.682	30.431	34.922	27.934
26.000	1.681	1.680	30.431	34.922	27.934
28.000	1.680	1.679	30.430	34.922	27.934
30.000	1.679	1.677	30.431	34.923	27.935
32.000	1.681	1.679	30.433	34.922	27.934
34.000	1.679	1.677	30.433	34.923	27.935
36.000	1.681	1.679	30.435	34.922	27.934
38.000	1.681	1.679	30.435	34.921	27.933
40.000	1.681	1.679	30.437	34.923	27.935
42.000	1.682	1.680	30.440	34.924	27.935
44.000	1.683	1.681	30.442	34.924	27.936
46.000	1.683	1.681	30.441	34.922	27.934
48.000	1.683	1.681	30.443	34.923	27.935
50.000	1.689	1.686	30.450	34.924	27.935
52.000	1.691	1.688	30.454	34.925	27.936
56.000	1.702	1.699	30.464	34.923	27.933
60.000	1.750	1.747	30.524	34.944	27.946
64.000	2.004	2.001	30.780	34.984	27.959
68.000	2.001	1.997	30.778	34.982	27.957
72.000	1.983	1.979	30.765	34.984	27.960
76.000	1.962	1.958	30.749	34.985	27.963
80.000	1.950	1.946	30.738	34.982	27.961
84.000	1.933	1.929	30.724	34.981	27.962
88.000	1.890	1.885	30.687	34.979	27.964
92.000	1.867	1.862	30.668	34.978	27.964
96.000	1.852	1.847	30.654	34.975	27.963
100.000	1.843	1.838	30.648	34.975	27.964
120.000	1.703	1.697	30.529	34.968	27.969
140.000	1.651	1.644	30.490	34.965	27.971
160.000	1.638	1.630	30.489	34.966	27.972
180.000	1.625	1.616	30.485	34.964	27.972
200.000	1.490	1.480	30.362	34.946	27.968
220.000	1.158	1.148	30.070	34.929	27.978
240.000	1.391	1.379	30.310	34.965	27.990
260.000	1.343	1.330	30.279	34.968	27.996
280.000	1.041	1.028	30.002	34.938	27.993
300.000	0.773	0.760	29.768	34.924	27.999
320.000	0.678	0.664	29.697	34.927	28.008
340.000	0.475	0.460	29.523	34.916	28.011
360.000	0.357	0.342	29.426	34.910	28.014
380.000	0.243	0.227	29.333	34.905	28.016
400.000	0.165	0.149	29.274	34.904	28.020
420.000	0.056	0.039	29.188	34.903	28.025
440.000	-0.024	-0.041	29.125	34.898	28.025
460.000	-0.094	-0.112	29.072	34.895	28.027
480.000	-0.157	-0.176	29.027	34.895	28.030
500.000	-0.224	-0.243	28.978	34.893	28.032

CTD Station 070

2.000	0.879	0.879	29.668	34.852	27.935
4.000	0.882	0.882	29.671	34.852	27.935
6.000	0.883	0.883	29.675	34.855	27.936
8.000	0.887	0.887	29.674	34.848	27.931
10.000	0.881	0.881	29.674	34.854	27.936
12.000	0.882	0.881	29.677	34.856	27.938
14.000	0.881	0.880	29.674	34.851	27.934
16.000	0.975	0.974	29.765	34.863	27.937
18.000	0.970	0.969	29.756	34.855	27.931
20.000	0.963	0.962	29.756	34.862	27.937
22.000	0.999	0.998	29.766	34.833	27.911
24.000	0.995	0.994	29.772	34.844	27.920
26.000	1.062	1.061	29.861	34.884	27.948
28.000	1.094	1.093	29.882	34.873	27.937
30.000	1.095	1.094	29.880	34.868	27.933
32.000	1.102	1.101	29.884	34.864	27.929
34.000	1.104	1.102	29.895	34.876	27.939
36.000	1.108	1.106	29.899	34.875	27.938
38.000	1.096	1.094	29.882	34.865	27.931
40.000	1.084	1.082	29.880	34.875	27.940
42.000	1.158	1.156	29.957	34.889	27.946
44.000	1.252	1.250	30.041	34.892	27.942
46.000	1.268	1.266	30.061	34.898	27.945
48.000	1.384	1.382	30.171	34.909	27.945
50.000	1.449	1.447	30.239	34.922	27.952
52.000	1.496	1.493	30.282	34.924	27.949
56.000	1.493	1.490	30.284	34.927	27.952
60.000	1.571	1.568	30.359	34.933	27.952
64.000	1.628	1.625	30.419	34.944	27.956
68.000	1.699	1.696	30.490	34.954	27.958
72.000	1.695	1.691	30.492	34.958	27.962
76.000	1.680	1.676	30.480	34.957	27.962
80.000	1.677	1.673	30.478	34.956	27.962
84.000	1.675	1.671	30.479	34.956	27.962
88.000	1.673	1.669	30.479	34.956	27.962
92.000	1.675	1.670	30.483	34.957	27.963
96.000	1.670	1.665	30.481	34.957	27.963
100.000	1.650	1.645	30.464	34.956	27.964
120.000	1.716	1.710	30.535	34.960	27.962
140.000	1.802	1.795	30.631	34.975	27.967
160.000	1.588	1.580	30.434	34.951	27.965
180.000	1.522	1.513	30.388	34.955	27.972
200.000	1.393	1.383	30.280	34.948	27.976
220.000	1.306	1.295	30.213	34.948	27.983
240.000	1.098	1.087	30.032	34.936	27.988
260.000	0.919	0.907	29.880	34.929	27.994
280.000	0.737	0.725	29.725	34.920	27.999
300.000	0.581	0.568	29.596	34.916	28.005
320.000	0.425	0.412	29.466	34.910	28.010
340.000	0.310	0.296	29.373	34.907	28.014
360.000	0.155	0.141	29.246	34.902	28.018
380.000	0.075	0.060	29.186	34.901	28.022
400.000	-0.015	-0.031	29.113	34.896	28.023
420.000	-0.048	-0.064	29.096	34.898	28.027
440.000	-0.090	-0.107	29.069	34.899	28.029
460.000	-0.167	-0.185	29.011	34.897	28.032
480.000	-0.235	-0.253	28.961	34.896	28.034
500.000	-0.277	-0.296	28.932	34.893	28.034

CTD Station 071

2.000	-0.691	-0.691	28.181	34.662	27.867
4.000	-0.690	-0.690	28.183	34.663	27.868
6.000	-0.691	-0.691	28.184	34.664	27.868
8.000	-0.691	-0.691	28.184	34.663	27.868
10.000	-0.691	-0.691	28.186	34.664	27.869
12.000	-0.691	-0.691	28.187	34.665	27.869
14.000	-0.691	-0.691	28.188	34.665	27.869
16.000	-0.692	-0.692	28.188	34.665	27.869
18.000	-0.691	-0.692	28.189	34.663	27.868
20.000	-0.692	-0.693	28.189	34.663	27.868
22.000	-0.692	-0.693	28.190	34.663	27.868
24.000	-0.692	-0.693	28.192	34.664	27.869
26.000	-0.692	-0.693	28.192	34.663	27.868
28.000	-0.692	-0.693	28.192	34.662	27.867
30.000	-0.692	-0.693	28.193	34.663	27.868
32.000	-0.692	-0.693	28.194	34.663	27.867
34.000	-0.701	-0.702	28.188	34.663	27.868
36.000	-0.700	-0.701	28.189	34.662	27.868
38.000	-0.700	-0.701	28.191	34.663	27.868
40.000	-0.699	-0.700	28.192	34.663	27.868
42.000	-0.703	-0.704	28.189	34.663	27.868
44.000	-0.705	-0.706	28.189	34.663	27.868
46.000	-0.706	-0.707	28.189	34.664	27.869
48.000	-0.734	-0.735	28.170	34.669	27.874
50.000	-0.758	-0.759	28.148	34.665	27.872
52.000	-0.810	-0.811	28.110	34.671	27.880
56.000	-0.929	-0.931	27.995	34.649	27.866
60.000	-1.315	-1.316	27.673	34.651	27.882
64.000	-1.427	-1.429	27.586	34.658	27.892
68.000	-1.464	-1.466	27.558	34.660	27.894
72.000	-1.476	-1.478	27.550	34.660	27.895
76.000	-1.443	-1.445	27.587	34.670	27.902
80.000	-1.411	-1.413	27.614	34.668	27.899
84.000	-1.426	-1.428	27.604	34.669	27.901
88.000	-1.442	-1.444	27.594	34.672	27.903
92.000	-1.441	-1.443	27.598	34.673	27.904
96.000	-1.439	-1.441	27.604	34.676	27.907
100.000	-1.442	-1.444	27.608	34.683	27.913
120.000	-0.836	-0.840	28.183	34.759	27.951
140.000	-0.473	-0.478	28.540	34.811	27.978
160.000	0.385	0.379	29.354	34.904	28.007
180.000	0.486	0.479	29.459	34.916	28.011
200.000	0.363	0.355	29.361	34.914	28.016
220.000	0.290	0.281	29.306	34.913	28.020
240.000	0.159	0.150	29.199	34.908	28.023
260.000	0.082	0.072	29.141	34.907	28.026
280.000	-0.022	-0.033	29.052	34.894	28.022
300.000	-0.101	-0.112	28.994	34.896	28.027
320.000	-0.165	-0.177	28.949	34.896	28.031
340.000	-0.259	-0.271	28.875	34.892	28.033
360.000	-0.289	-0.302	28.858	34.893	28.035
380.000	-0.331	-0.345	28.832	34.893	28.037
400.000	-0.400	-0.414	28.780	34.890	28.038
420.000	-0.421	-0.436	28.772	34.891	28.040
440.000	-0.468	-0.484	28.739	34.889	28.040
460.000	-0.493	-0.509	28.725	34.887	28.040
480.000	-0.531	-0.548	28.702	34.888	28.042
500.000	-0.585	-0.603	28.663	34.884	28.042

CTD Station 072

22.000	-0.874	-0.875	28.037	34.665	27.877
24.000	-0.873	-0.874	28.039	34.665	27.877
26.000	-0.874	-0.875	28.039	34.665	27.877
28.000	-0.885	-0.886	28.030	34.663	27.876
30.000	-0.920	-0.921	28.004	34.668	27.881
32.000	-0.988	-0.989	27.948	34.668	27.884
34.000	-1.007	-1.008	27.933	34.668	27.884
36.000	-1.038	-1.039	27.908	34.668	27.886
38.000	-1.055	-1.056	27.893	34.666	27.885
40.000	-1.094	-1.095	27.861	34.667	27.887
42.000	-1.173	-1.174	27.801	34.673	27.895
44.000	-1.211	-1.212	27.777	34.684	27.905
46.000	-1.258	-1.259	27.738	34.683	27.906
48.000	-1.298	-1.299	27.702	34.679	27.905
50.000	-1.304	-1.305	27.699	34.680	27.906
52.000	-1.334	-1.335	27.674	34.679	27.905
56.000	-1.404	-1.405	27.617	34.679	27.908
60.000	-1.440	-1.441	27.590	34.681	27.911
64.000	-1.469	-1.470	27.575	34.691	27.920
68.000	-1.454	-1.456	27.592	34.695	27.923
72.000	-1.568	-1.570	27.502	34.700	27.931
76.000	-1.656	-1.658	27.430	34.700	27.933
80.000	-1.669	-1.671	27.423	34.704	27.936
84.000	-1.720	-1.722	27.386	34.708	27.942
88.000	-1.707	-1.709	27.401	34.711	27.943
92.000	-1.706	-1.708	27.404	34.712	27.944
96.000	-1.714	-1.716	27.400	34.714	27.946
100.000	-1.720	-1.722	27.398	34.715	27.947
120.000	-1.727	-1.730	27.408	34.723	27.954
140.000	-1.314	-1.318	27.804	34.780	27.987
160.000	0.141	0.135	29.152	34.915	28.030
180.000	0.142	0.135	29.150	34.899	28.017
200.000	0.050	0.042	29.083	34.903	28.025
220.000	0.049	0.041	29.094	34.906	28.027
240.000	-0.030	-0.039	29.031	34.899	28.027
260.000	-0.127	-0.137	28.955	34.898	28.031
280.000	-0.201	-0.211	28.900	34.897	28.033
300.000	-0.259	-0.270	28.857	34.894	28.034
320.000	-0.310	-0.321	28.822	34.893	28.036
340.000	-0.336	-0.348	28.810	34.893	28.037
360.000	-0.386	-0.399	28.775	34.892	28.039
380.000	-0.418	-0.432	28.756	34.891	28.040
400.000	-0.471	-0.485	28.719	34.890	28.041
420.000	-0.519	-0.534	28.686	34.888	28.042
440.000	-0.556	-0.571	28.662	34.886	28.042
460.000	-0.592	-0.608	28.640	34.886	28.043
480.000	-0.645	-0.662	28.602	34.883	28.044
500.000	-0.688	-0.705	28.574	34.883	28.046



CTD Station 087

2.000	-0.467	-0.467	28.402	34.705	27.891
4.000	-0.470	-0.470	28.399	34.703	27.890
6.000	-0.468	-0.468	28.403	34.705	27.891
8.000	-0.470	-0.470	28.404	34.707	27.893
10.000	-0.476	-0.476	28.397	34.703	27.890
12.000	-0.475	-0.475	28.398	34.702	27.890
14.000	-0.476	-0.476	28.399	34.703	27.891
16.000	-0.476	-0.477	28.400	34.704	27.891
18.000	-0.477	-0.478	28.400	34.703	27.890
20.000	-0.479	-0.480	28.400	34.704	27.891
22.000	-0.478	-0.479	28.401	34.703	27.891
24.000	-0.475	-0.476	28.405	34.705	27.892
26.000	-0.473	-0.474	28.407	34.704	27.891
28.000	-0.477	-0.478	28.406	34.705	27.892
30.000	-0.473	-0.474	28.410	34.705	27.892
32.000	-0.475	-0.476	28.408	34.704	27.891
34.000	-0.469	-0.470	28.419	34.710	27.896
36.000	-0.463	-0.464	28.427	34.713	27.898
38.000	-0.464	-0.465	28.419	34.702	27.889
40.000	-0.486	-0.487	28.402	34.702	27.890
42.000	-0.493	-0.494	28.398	34.704	27.891
44.000	-0.533	-0.534	28.391	34.739	27.922
46.000	-0.788	-0.789	28.125	34.670	27.878
48.000	-0.929	-0.930	28.033	34.707	27.913
50.000	-0.840	-0.841	28.114	34.713	27.915
52.000	-0.893	-0.894	28.065	34.706	27.911
56.000	-1.151	-1.152	27.850	34.708	27.922
60.000	-0.986	-0.988	28.008	34.730	27.934
64.000	-0.937	-0.939	28.051	34.730	27.932
68.000	-0.826	-0.828	28.149	34.733	27.930
72.000	-0.809	-0.811	28.169	34.738	27.933
76.000	-0.656	-0.658	28.316	34.760	27.944
80.000	-0.382	-0.385	28.580	34.798	27.963
84.000	0.248	0.245	29.159	34.849	27.971
88.000	0.296	0.293	29.210	34.860	27.977
92.000	0.354	0.350	29.273	34.875	27.985
96.000	0.374	0.370	29.291	34.873	27.983
100.000	0.337	0.333	29.302	34.927	28.028
120.000	0.342	0.337	29.283	34.884	27.994
140.000	0.398	0.392	29.352	34.900	28.003
160.000	0.410	0.404	29.381	34.912	28.012
180.000	0.281	0.274	29.274	34.905	28.014
200.000	0.266	0.258	29.273	34.909	28.018
220.000	0.141	0.132	29.173	34.906	28.023
240.000	0.034	0.025	29.086	34.900	28.024
260.000	-0.058	-0.068	29.014	34.897	28.026
280.000	-0.116	-0.126	28.973	34.897	28.029
300.000	-0.169	-0.180	28.936	34.896	28.032
320.000	-0.227	-0.239	28.895	34.896	28.034
340.000	-0.288	-0.300	28.851	34.894	28.036
360.000	-0.355	-0.368	28.802	34.893	28.038
380.000	-0.396	-0.410	28.775	34.891	28.039
400.000	-0.468	-0.482	28.721	34.889	28.040
420.000	-0.499	-0.514	28.703	34.888	28.041
440.000	-0.537	-0.552	28.679	34.888	28.043
460.000	-0.579	-0.595	28.651	34.886	28.043
480.000	-0.614	-0.631	28.630	34.885	28.044
500.000	-0.637	-0.654	28.620	34.886	28.046

CTD Station 088

4.000	-0.636	-0.636	28.206	34.632	27.840
6.000	-0.636	-0.636	28.248	34.688	27.885
8.000	-0.635	-0.635	28.249	34.687	27.884
10.000	-0.635	-0.635	28.250	34.687	27.884
12.000	-0.636	-0.636	28.251	34.688	27.885
14.000	-0.635	-0.635	28.251	34.686	27.884
16.000	-0.632	-0.632	28.255	34.687	27.884
18.000	-0.636	-0.637	28.253	34.687	27.885
20.000	-0.636	-0.637	28.254	34.687	27.885
22.000	-0.636	-0.637	28.255	34.687	27.885
24.000	-0.635	-0.636	28.256	34.686	27.884
26.000	-0.636	-0.637	28.258	34.688	27.885
28.000	-0.635	-0.636	28.260	34.689	27.886
30.000	-0.634	-0.635	28.261	34.688	27.885
32.000	-0.634	-0.635	28.261	34.687	27.884
34.000	-0.635	-0.636	28.262	34.688	27.885
36.000	-0.634	-0.635	28.263	34.687	27.885
38.000	-0.635	-0.636	28.264	34.688	27.885
40.000	-0.634	-0.635	28.265	34.687	27.885
42.000	-0.635	-0.636	28.266	34.688	27.886
44.000	-0.638	-0.639	28.265	34.690	27.887
46.000	-0.640	-0.641	28.264	34.689	27.886
48.000	-0.648	-0.649	28.260	34.691	27.888
50.000	-0.650	-0.652	28.258	34.690	27.888
52.000	-0.651	-0.653	28.259	34.691	27.889
56.000	-0.658	-0.660	28.257	34.693	27.891
60.000	-0.936	-0.938	28.058	34.740	27.940
64.000	-0.877	-0.879	28.090	34.714	27.917
68.000	-0.860	-0.862	28.108	34.716	27.918
72.000	-0.850	-0.852	28.127	34.729	27.927
76.000	-0.791	-0.793	28.177	34.726	27.923
80.000	-0.678	-0.680	28.285	34.740	27.930
84.000	-0.587	-0.590	28.370	34.748	27.932
88.000	-0.585	-0.588	28.373	34.747	27.931
92.000	-0.529	-0.532	28.433	34.761	27.940
96.000	-0.457	-0.460	28.501	34.768	27.942
100.000	-0.427	-0.430	28.530	34.770	27.942
120.000	-0.256	-0.260	28.716	34.812	27.968
140.000	-0.364	-0.369	28.641	34.823	27.982
160.000	-0.025	-0.031	28.974	34.868	28.001
180.000	0.256	0.249	29.250	34.902	28.013
200.000	0.184	0.176	29.200	34.905	28.020
220.000	0.133	0.124	29.158	34.895	28.015
240.000	0.148	0.139	29.188	34.905	28.022
260.000	-0.014	-0.024	29.053	34.899	28.025
280.000	0.023	0.012	29.097	34.904	28.027
300.000	-0.056	-0.067	29.034	34.897	28.026
320.000	-0.186	-0.198	28.925	34.888	28.026
340.000	-0.421	-0.433	28.727	34.879	28.030
360.000	-0.438	-0.451	28.722	34.881	28.032
380.000	-0.456	-0.469	28.717	34.882	28.034
400.000	-0.445	-0.459	28.739	34.887	28.038
420.000	-0.426	-0.441	28.766	34.889	28.039
440.000	-0.458	-0.474	28.748	34.889	28.040
460.000	-0.502	-0.518	28.718	34.887	28.040
480.000	-0.523	-0.540	28.711	34.890	28.044
500.000	-0.515	-0.533	28.728	34.892	28.045

CTD Station 089

2.000	-0.266	-0.266	28.575	34.707	27.883
4.000	-0.266	-0.266	28.576	34.708	27.884
6.000	-0.263	-0.263	28.579	34.707	27.883
8.000	-0.261	-0.261	28.582	34.707	27.883
10.000	-0.262	-0.262	28.582	34.707	27.883
12.000	-0.264	-0.264	28.582	34.709	27.885
14.000	-0.262	-0.262	28.584	34.708	27.884
16.000	-0.262	-0.263	28.586	34.708	27.884
18.000	-0.259	-0.260	28.588	34.708	27.884
20.000	-0.254	-0.255	28.596	34.711	27.886
22.000	-0.220	-0.221	28.626	34.711	27.884
24.000	-0.184	-0.185	28.666	34.722	27.891
26.000	-0.189	-0.190	28.663	34.722	27.892
28.000	-0.168	-0.169	28.686	34.728	27.896
30.000	-0.147	-0.148	28.705	34.728	27.894
32.000	-0.130	-0.131	28.724	34.733	27.898
34.000	-0.101	-0.102	28.752	34.736	27.899
36.000	-0.105	-0.106	28.750	34.737	27.899
38.000	-0.113	-0.114	28.744	34.737	27.900
40.000	-0.278	-0.279	28.601	34.732	27.904
42.000	-0.363	-0.364	28.533	34.738	27.913
44.000	-0.468	-0.469	28.444	34.736	27.916
46.000	-0.485	-0.486	28.431	34.737	27.918
48.000	-0.460	-0.462	28.455	34.739	27.919
50.000	-0.403	-0.405	28.509	34.745	27.921
52.000	-0.520	-0.522	28.408	34.742	27.923
56.000	-0.343	-0.345	28.597	34.791	27.955
60.000	0.125	0.123	29.007	34.802	27.939
64.000	0.153	0.151	29.030	34.799	27.936
68.000	-0.381	-0.383	28.539	34.749	27.923
72.000	-0.498	-0.500	28.446	34.756	27.934
76.000	0.953	0.950	29.792	34.886	27.957
80.000	0.975	0.971	29.823	34.900	27.967
84.000	0.966	0.962	29.805	34.883	27.954
88.000	0.828	0.824	29.670	34.861	27.945
92.000	0.781	0.777	29.646	34.880	27.963
96.000	1.385	1.380	30.219	34.941	27.971
100.000	1.434	1.429	30.271	34.950	27.975
120.000	1.137	1.131	30.000	34.923	27.974
140.000	1.158	1.151	30.021	34.914	27.966
160.000	0.735	0.728	29.660	34.909	27.990
180.000	0.647	0.639	29.595	34.912	27.998
200.000	0.600	0.591	29.571	34.922	28.009
220.000	0.522	0.513	29.507	34.914	28.007
240.000	0.398	0.388	29.408	34.912	28.013
260.000	0.358	0.347	29.383	34.913	28.016
280.000	0.245	0.234	29.290	34.906	28.017
300.000	0.126	0.114	29.196	34.905	28.023
320.000	0.023	0.011	29.115	34.903	28.027
340.000	-0.029	-0.042	29.075	34.897	28.025
360.000	-0.111	-0.125	29.016	34.899	28.031
380.000	-0.174	-0.188	28.969	34.896	28.032
400.000	-0.237	-0.252	28.924	34.897	28.035
420.000	-0.277	-0.293	28.898	34.896	28.036
440.000	-0.329	-0.345	28.862	34.895	28.038
460.000	-0.352	-0.369	28.852	34.896	28.041
480.000	-0.382	-0.400	28.835	34.895	28.041
500.000	-0.417	-0.435	28.813	34.894	28.042

CTD Station 090

6.000	-0.201	-0.201	28.637	34.715	27.886
8.000	-0.201	-0.201	28.638	34.715	27.886
10.000	-0.206	-0.206	28.635	34.715	27.887
12.000	-0.209	-0.209	28.630	34.711	27.883
14.000	-0.210	-0.210	28.633	34.714	27.886
16.000	-0.213	-0.214	28.631	34.713	27.886
18.000	-0.218	-0.219	28.627	34.712	27.885
20.000	-0.222	-0.223	28.626	34.715	27.888
22.000	-0.222	-0.223	28.627	34.715	27.887
24.000	-0.219	-0.220	28.629	34.713	27.885
26.000	-0.220	-0.221	28.631	34.715	27.888
28.000	-0.220	-0.221	28.632	34.715	27.887
30.000	-0.221	-0.222	28.632	34.715	27.887
32.000	-0.218	-0.219	28.635	34.715	27.887
34.000	-0.219	-0.220	28.635	34.714	27.887
36.000	-0.218	-0.219	28.637	34.715	27.887
38.000	-0.375	-0.376	28.513	34.726	27.904
40.000	-0.404	-0.405	28.499	34.739	27.916
42.000	-0.317	-0.318	28.591	34.763	27.931
44.000	-0.262	-0.263	28.633	34.755	27.922
46.000	-0.196	-0.198	28.697	34.764	27.926
48.000	-0.169	-0.171	28.725	34.768	27.928
50.000	-0.169	-0.171	28.727	34.770	27.930
52.000	-0.162	-0.164	28.738	34.775	27.933
56.000	0.062	0.060	28.942	34.791	27.934
60.000	0.199	0.197	29.083	34.818	27.949
64.000	0.014	0.012	28.916	34.805	27.948
68.000	-0.028	-0.030	28.910	34.843	27.981
72.000	0.143	0.140	29.035	34.811	27.946
76.000	0.255	0.252	29.151	34.835	27.959
80.000	0.701	0.698	29.576	34.887	27.974
84.000	0.822	0.818	29.690	34.896	27.973
88.000	0.961	0.957	29.818	34.904	27.971
92.000	0.922	0.918	29.784	34.901	27.971
96.000	0.885	0.881	29.751	34.898	27.971
100.000	0.842	0.838	29.714	34.895	27.972
120.000	0.805	0.800	29.702	34.910	27.986
140.000	0.728	0.722	29.646	34.911	27.992
160.000	0.576	0.569	29.524	34.912	28.002
180.000	0.512	0.505	29.480	34.915	28.008
200.000	0.506	0.498	29.486	34.917	28.010
220.000	0.468	0.459	29.464	34.919	28.015
240.000	0.380	0.370	29.395	34.916	28.017
260.000	0.254	0.244	29.291	34.910	28.020
280.000	0.118	0.107	29.179	34.904	28.022
300.000	0.041	0.029	29.122	34.904	28.027
320.000	-0.043	-0.055	29.055	34.898	28.027
340.000	-0.106	-0.119	29.009	34.898	28.029
360.000	-0.176	-0.189	28.959	34.898	28.033
380.000	-0.221	-0.235	28.928	34.896	28.034
400.000	-0.278	-0.293	28.888	34.896	28.037
420.000	-0.336	-0.351	28.847	34.894	28.038
440.000	-0.368	-0.384	28.828	34.894	28.040
460.000	-0.409	-0.426	28.801	34.893	28.040
480.000	-0.449	-0.466	28.776	34.893	28.042
500.000	-0.468	-0.486	28.769	34.893	28.044

CTD Station 091

6.000	-0.720	-0.720	28.160	34.666	27.871
8.000	-0.717	-0.717	28.164	34.666	27.871
10.000	-0.726	-0.726	28.158	34.666	27.872
12.000	-0.695	-0.695	28.180	34.660	27.865
14.000	-0.701	-0.701	28.189	34.677	27.879
16.000	-0.720	-0.720	28.167	34.668	27.873
18.000	-0.720	-0.721	28.167	34.667	27.872
20.000	-0.724	-0.725	28.165	34.668	27.873
22.000	-0.725	-0.726	28.166	34.669	27.874
24.000	-0.725	-0.726	28.167	34.668	27.873
26.000	-0.723	-0.724	28.170	34.669	27.874
28.000	-0.722	-0.723	28.170	34.667	27.872
30.000	-0.723	-0.724	28.169	34.666	27.871
32.000	-0.724	-0.725	28.171	34.668	27.873
34.000	-0.727	-0.728	28.169	34.668	27.873
36.000	-0.734	-0.735	28.163	34.667	27.872
38.000	-0.742	-0.743	28.158	34.667	27.873
40.000	-0.745	-0.746	28.157	34.668	27.874
42.000	-0.746	-0.747	28.157	34.668	27.874
44.000	-0.748	-0.749	28.156	34.668	27.874
46.000	-0.857	-0.858	28.067	34.671	27.881
48.000	-0.895	-0.896	28.040	34.676	27.887
50.000	-0.989	-0.990	27.958	34.672	27.887
52.000	-1.071	-1.072	27.891	34.673	27.891
56.000	-1.142	-1.143	27.836	34.677	27.897
60.000	-1.142	-1.144	27.840	34.680	27.900
64.000	-1.207	-1.209	27.786	34.679	27.901
68.000	-1.213	-1.215	27.785	34.683	27.904
72.000	-1.215	-1.217	27.787	34.684	27.906
76.000	-1.176	-1.178	27.827	34.692	27.910
80.000	-1.063	-1.065	27.928	34.697	27.910
84.000	-1.026	-1.028	27.964	34.700	27.912
88.000	-1.009	-1.011	27.981	34.702	27.912
92.000	-0.992	-0.995	27.999	34.705	27.914
96.000	-1.073	-1.076	27.928	34.698	27.912
100.000	-1.137	-1.140	27.879	34.702	27.917
120.000	-0.872	-0.875	28.142	34.744	27.941
140.000	-0.662	-0.666	28.349	34.771	27.953
160.000	-0.055	-0.061	28.922	34.833	27.974
180.000	-0.065	-0.072	28.912	34.819	27.964
200.000	-0.023	-0.030	29.000	34.875	28.007
220.000	0.250	0.241	29.270	34.910	28.020
240.000	0.216	0.206	29.251	34.911	28.023
260.000	0.127	0.117	29.182	34.909	28.026
280.000	0.083	0.072	29.152	34.908	28.027
300.000	-0.007	-0.018	29.079	34.901	28.027
320.000	-0.094	-0.106	29.011	34.899	28.029
340.000	-0.115	-0.128	28.998	34.892	28.025
360.000	-0.146	-0.160	28.986	34.899	28.033
380.000	-0.205	-0.219	28.943	34.898	28.035
400.000	-0.264	-0.279	28.901	34.897	28.037
420.000	-0.299	-0.315	28.879	34.895	28.037
440.000	-0.321	-0.337	28.870	34.896	28.039
460.000	-0.374	-0.391	28.832	34.894	28.040
480.000	-0.428	-0.445	28.794	34.892	28.041
500.000	-0.475	-0.493	28.762	34.891	28.042

CTD Station 092

4.000	1.428	1.428	30.172	34.888	27.925
6.000	1.430	1.430	30.176	34.889	27.926
8.000	1.429	1.429	30.174	34.887	27.925
10.000	1.433	1.433	30.179	34.888	27.925
12.000	1.433	1.432	30.180	34.887	27.925
14.000	1.431	1.430	30.180	34.888	27.925
16.000	1.429	1.428	30.178	34.887	27.924
18.000	1.431	1.430	30.182	34.888	27.925
20.000	1.433	1.432	30.184	34.888	27.925
22.000	1.421	1.420	30.173	34.886	27.924
24.000	1.417	1.416	30.172	34.888	27.926
26.000	1.417	1.416	30.173	34.888	27.926
28.000	1.421	1.420	30.177	34.888	27.926
30.000	1.421	1.420	30.178	34.888	27.926
32.000	1.421	1.419	30.181	34.889	27.927
34.000	1.421	1.419	30.180	34.888	27.926
36.000	1.420	1.418	30.181	34.889	27.927
38.000	1.421	1.419	30.182	34.888	27.926
40.000	1.421	1.419	30.184	34.888	27.926
42.000	1.422	1.420	30.186	34.889	27.927
44.000	1.420	1.418	30.186	34.891	27.928
46.000	1.419	1.417	30.187	34.891	27.929
48.000	1.423	1.421	30.192	34.892	27.929
50.000	1.421	1.419	30.191	34.891	27.929
52.000	1.452	1.449	30.224	34.899	27.933
56.000	1.490	1.487	30.268	34.911	27.939
60.000	1.582	1.579	30.364	34.928	27.946
64.000	1.749	1.746	30.530	34.951	27.952
68.000	1.780	1.777	30.558	34.949	27.948
72.000	1.763	1.759	30.549	34.955	27.954
76.000	1.745	1.741	30.536	34.955	27.956
80.000	1.730	1.726	30.525	34.956	27.958
84.000	1.616	1.612	30.418	34.944	27.957
88.000	1.557	1.553	30.368	34.944	27.961
92.000	1.508	1.503	30.323	34.939	27.961
96.000	1.599	1.594	30.412	34.948	27.961
100.000	1.690	1.685	30.508	34.967	27.970
120.000	1.524	1.518	30.355	34.946	27.965
140.000	1.511	1.504	30.354	34.947	27.967
160.000	1.628	1.620	30.476	34.961	27.969
180.000	1.643	1.634	30.501	34.964	27.971
200.000	1.636	1.626	30.504	34.964	27.971
220.000	1.621	1.610	30.500	34.964	27.972
240.000	1.600	1.588	30.489	34.961	27.972
260.000	1.603	1.590	30.503	34.964	27.974
280.000	1.476	1.462	30.392	34.953	27.974
300.000	1.395	1.380	30.327	34.948	27.977
320.000	1.289	1.273	30.240	34.943	27.979
340.000	1.123	1.107	30.099	34.936	27.986
360.000	0.839	0.822	29.848	34.918	27.990
380.000	0.712	0.695	29.746	34.916	27.997
400.000	0.629	0.611	29.681	34.913	28.000
420.000	0.484	0.466	29.563	34.912	28.007
440.000	0.445	0.426	29.540	34.913	28.011
460.000	0.252	0.233	29.379	34.908	28.018
480.000	0.076	0.056	29.233	34.902	28.023
500.000	0.019	-0.001	29.192	34.902	28.026

CTD Station 093

4.000	3.077	3.077	31.752	35.048	27.916
6.000	3.080	3.080	31.763	35.056	27.923
8.000	3.082	3.082	31.767	35.059	27.925
10.000	3.089	3.088	31.778	35.063	27.927
12.000	3.086	3.085	31.778	35.065	27.929
14.000	3.086	3.085	31.780	35.066	27.930
16.000	3.086	3.085	31.781	35.067	27.931
18.000	3.078	3.077	31.774	35.066	27.930
20.000	3.065	3.064	31.764	35.067	27.932
22.000	3.062	3.061	31.762	35.067	27.933
24.000	3.060	3.059	31.762	35.067	27.933
26.000	3.057	3.055	31.763	35.071	27.936
28.000	3.043	3.041	31.750	35.069	27.936
30.000	3.042	3.040	31.750	35.069	27.936
32.000	3.036	3.034	31.746	35.069	27.937
34.000	3.036	3.034	31.747	35.069	27.937
36.000	3.036	3.034	31.747	35.069	27.937
38.000	3.034	3.032	31.747	35.069	27.937
40.000	3.031	3.029	31.745	35.069	27.937
42.000	3.030	3.027	31.745	35.069	27.938
44.000	3.028	3.025	31.745	35.070	27.938
46.000	3.029	3.026	31.746	35.069	27.938
48.000	3.029	3.026	31.747	35.069	27.938
50.000	3.029	3.026	31.748	35.070	27.938
52.000	3.029	3.026	31.749	35.070	27.938
56.000	3.026	3.023	31.749	35.070	27.939
60.000	3.026	3.022	31.750	35.069	27.938
64.000	3.027	3.023	31.753	35.069	27.938
68.000	3.026	3.022	31.754	35.070	27.939
72.000	3.026	3.022	31.756	35.070	27.939
76.000	3.026	3.021	31.759	35.071	27.940
80.000	3.026	3.021	31.759	35.069	27.938
84.000	3.030	3.025	31.766	35.071	27.939
88.000	3.029	3.024	31.766	35.070	27.938
92.000	3.011	3.005	31.753	35.070	27.940
96.000	2.963	2.957	31.708	35.066	27.941
100.000	2.941	2.935	31.691	35.066	27.943
120.000	2.769	2.762	31.536	35.052	27.948
140.000	2.524	2.516	31.306	35.024	27.947
160.000	2.360	2.351	31.167	35.022	27.960
180.000	2.036	2.026	30.859	34.981	27.953
200.000	1.899	1.888	30.738	34.968	27.954
220.000	2.039	2.027	30.888	34.991	27.961
240.000	2.013	2.000	30.875	34.991	27.964
260.000	2.151	2.136	31.019	35.008	27.966
280.000	2.250	2.234	31.130	35.026	27.973
300.000	2.056	2.039	30.952	35.006	27.972
320.000	1.773	1.756	30.695	34.985	27.977
340.000	1.746	1.728	30.672	34.974	27.971
360.000	1.718	1.699	30.658	34.975	27.974
380.000	1.656	1.636	30.610	34.971	27.975
400.000	1.446	1.425	30.425	34.958	27.980
420.000	1.088	1.068	30.107	34.939	27.990
440.000	0.979	0.958	30.008	34.921	27.984
460.000	0.817	0.796	29.877	34.922	27.995
480.000	0.659	0.637	29.745	34.916	28.000
500.000	0.592	0.569	29.695	34.915	28.003

CTD Station 094

4.000	2.869	2.869	31.566	35.046	27.934
6.000	2.872	2.872	31.567	35.043	27.931
8.000	2.869	2.869	31.566	35.043	27.932
10.000	2.871	2.870	31.568	35.044	27.932
12.000	2.872	2.871	31.570	35.044	27.932
14.000	2.881	2.880	31.575	35.039	27.927
16.000	2.887	2.886	31.587	35.046	27.932
18.000	2.888	2.887	31.588	35.044	27.931
20.000	2.871	2.870	31.577	35.049	27.936
22.000	2.843	2.842	31.551	35.045	27.936
24.000	2.878	2.877	31.582	35.045	27.933
26.000	2.849	2.847	31.542	35.026	27.920
28.000	2.807	2.805	31.517	35.039	27.934
30.000	2.789	2.787	31.501	35.038	27.935
32.000	2.787	2.785	31.498	35.036	27.934
34.000	2.770	2.768	31.484	35.036	27.935
36.000	2.748	2.746	31.463	35.033	27.935
38.000	2.716	2.714	31.434	35.032	27.937
40.000	2.700	2.698	31.421	35.032	27.938
42.000	2.692	2.690	31.415	35.032	27.938
44.000	2.688	2.685	31.410	35.029	27.937
46.000	2.668	2.665	31.394	35.029	27.939
48.000	2.660	2.657	31.386	35.028	27.938
50.000	2.655	2.652	31.383	35.028	27.939
52.000	2.649	2.646	31.377	35.026	27.938
56.000	2.610	2.607	31.344	35.026	27.941
60.000	2.556	2.553	31.295	35.022	27.943
64.000	2.538	2.534	31.280	35.021	27.943
68.000	2.473	2.469	31.223	35.019	27.948
72.000	2.450	2.446	31.202	35.016	27.947
76.000	2.422	2.418	31.186	35.024	27.956
80.000	2.448	2.443	31.213	35.027	27.956
84.000	2.562	2.557	31.323	35.036	27.954
88.000	2.593	2.588	31.357	35.042	27.955
92.000	2.586	2.581	31.351	35.040	27.954
96.000	2.591	2.585	31.357	35.040	27.954
100.000	2.592	2.586	31.361	35.042	27.956
120.000	2.524	2.517	31.308	35.038	27.959
140.000	2.289	2.281	31.090	35.015	27.960
160.000	2.451	2.442	31.259	35.036	27.963
180.000	2.296	2.286	31.122	35.023	27.966
200.000	2.310	2.299	31.146	35.026	27.967
220.000	2.209	2.197	31.058	35.016	27.968
240.000	2.107	2.094	30.970	35.007	27.969
260.000	1.990	1.976	30.867	34.996	27.969
280.000	1.708	1.693	30.608	34.969	27.970
300.000	1.674	1.658	30.584	34.964	27.969
320.000	1.880	1.863	30.791	34.987	27.971
340.000	1.916	1.897	30.837	34.994	27.973
360.000	1.796	1.777	30.732	34.983	27.974
380.000	1.957	1.936	30.895	34.999	27.974
400.000	1.945	1.923	30.926	35.039	28.008
420.000	1.953	1.930	30.922	35.014	27.986
440.000	1.856	1.832	30.839	35.005	27.988
460.000	1.750	1.725	30.749	34.997	27.989
480.000	1.653	1.627	30.668	34.991	27.992
500.000	1.504	1.478	30.537	34.978	27.993



CTD Station 095

4.000	2.740	2.740	31.457	35.054	27.952
6.000	2.741	2.741	31.458	35.051	27.950
8.000	2.743	2.743	31.460	35.051	27.949
10.000	2.747	2.746	31.464	35.051	27.949
12.000	2.746	2.745	31.465	35.052	27.950
14.000	2.740	2.739	31.461	35.052	27.951
16.000	2.744	2.743	31.465	35.051	27.949
18.000	2.743	2.742	31.466	35.052	27.950
20.000	2.741	2.740	31.465	35.052	27.951
22.000	2.730	2.729	31.455	35.051	27.951
24.000	2.705	2.704	31.434	35.051	27.953
26.000	2.701	2.699	31.431	35.051	27.953
28.000	2.701	2.699	31.431	35.050	27.953
30.000	2.704	2.702	31.435	35.051	27.953
32.000	2.704	2.702	31.437	35.051	27.953
34.000	2.701	2.699	31.436	35.053	27.954
36.000	2.700	2.698	31.434	35.051	27.953
38.000	2.697	2.695	31.433	35.051	27.954
40.000	2.695	2.693	31.432	35.051	27.953
42.000	2.694	2.692	31.433	35.051	27.954
44.000	2.693	2.690	31.433	35.052	27.955
46.000	2.692	2.689	31.433	35.052	27.955
48.000	2.688	2.685	31.431	35.052	27.955
50.000	2.684	2.681	31.427	35.051	27.955
52.000	2.680	2.677	31.422	35.048	27.953
56.000	2.639	2.636	31.388	35.048	27.956
60.000	2.585	2.582	31.340	35.047	27.960
64.000	2.563	2.559	31.326	35.050	27.964
68.000	2.537	2.533	31.305	35.050	27.967
72.000	2.532	2.528	31.302	35.050	27.967
76.000	2.522	2.518	31.297	35.053	27.971
80.000	2.508	2.503	31.283	35.049	27.968
84.000	2.496	2.491	31.275	35.049	27.970
88.000	2.477	2.472	31.259	35.048	27.970
92.000	2.458	2.453	31.243	35.047	27.971
96.000	2.440	2.435	31.228	35.046	27.972
100.000	2.408	2.402	31.202	35.046	27.975
120.000	2.316	2.309	31.123	35.037	27.976
140.000	2.279	2.271	31.093	35.029	27.972
160.000	2.278	2.269	31.108	35.037	27.979
180.000	2.289	2.279	31.128	35.039	27.979
200.000	2.260	2.249	31.110	35.036	27.980
220.000	2.221	2.209	31.082	35.033	27.980
240.000	2.201	2.187	31.073	35.033	27.981
260.000	2.148	2.133	31.032	35.028	27.982
280.000	2.116	2.100	31.011	35.026	27.983
300.000	2.060	2.043	30.964	35.017	27.981
320.000	1.896	1.879	30.818	35.003	27.983
340.000	1.796	1.778	30.733	34.995	27.984
360.000	1.796	1.777	30.744	34.998	27.986
380.000	1.819	1.798	30.776	35.001	27.987
400.000	1.896	1.874	30.861	35.011	27.989
420.000	1.811	1.788	30.789	35.004	27.990
440.000	1.847	1.823	30.834	35.010	27.992
460.000	1.763	1.738	30.763	35.000	27.991
480.000	1.691	1.665	30.706	34.997	27.993
500.000	1.706	1.679	30.728	34.997	27.993

CTD Station 096

2.000	3.085	3.085	31.782	35.077	27.939
4.000	3.083	3.083	31.777	35.072	27.935
6.000	3.082	3.082	31.777	35.072	27.935
8.000	3.081	3.081	31.778	35.072	27.935
10.000	3.081	3.080	31.778	35.072	27.935
12.000	3.080	3.079	31.778	35.072	27.935
14.000	3.080	3.079	31.778	35.072	27.935
16.000	3.079	3.078	31.779	35.071	27.935
18.000	3.078	3.077	31.779	35.071	27.935
20.000	3.078	3.077	31.779	35.071	27.935
22.000	3.077	3.076	31.780	35.071	27.935
24.000	3.077	3.076	31.780	35.071	27.935
26.000	3.076	3.074	31.780	35.071	27.935
28.000	3.075	3.073	31.780	35.071	27.935
30.000	3.075	3.073	31.781	35.071	27.935
32.000	3.074	3.072	31.781	35.070	27.935
34.000	3.076	3.074	31.783	35.070	27.934
36.000	3.074	3.072	31.783	35.071	27.935
38.000	3.075	3.073	31.786	35.072	27.936
40.000	3.075	3.073	31.787	35.073	27.937
42.000	3.071	3.068	31.783	35.071	27.935
44.000	3.075	3.072	31.788	35.071	27.935
46.000	3.079	3.076	31.793	35.072	27.936
48.000	3.079	3.076	31.793	35.070	27.934
50.000	3.079	3.076	31.794	35.071	27.935
52.000	3.060	3.057	31.777	35.070	27.935
56.000	3.065	3.062	31.784	35.071	27.936
60.000	3.056	3.052	31.777	35.070	27.936
64.000	3.050	3.046	31.774	35.070	27.937
68.000	3.046	3.042	31.772	35.070	27.937
72.000	3.042	3.038	31.771	35.071	27.938
76.000	3.035	3.030	31.766	35.070	27.938
80.000	3.031	3.026	31.764	35.069	27.938
84.000	3.000	2.995	31.738	35.069	27.940
88.000	2.993	2.988	31.732	35.068	27.940
92.000	2.980	2.974	31.723	35.067	27.941
96.000	2.961	2.955	31.706	35.065	27.941
100.000	2.941	2.935	31.688	35.064	27.942
120.000	2.905	2.898	31.665	35.062	27.944
140.000	2.852	2.843	31.624	35.059	27.946
160.000	2.789	2.779	31.573	35.054	27.947
180.000	2.635	2.624	31.437	35.043	27.953
200.000	2.557	2.545	31.377	35.042	27.959
220.000	2.455	2.442	31.287	35.031	27.959
240.000	2.447	2.433	31.291	35.033	27.961
260.000	2.421	2.406	31.275	35.031	27.962
280.000	2.470	2.454	31.334	35.039	27.964
300.000	2.441	2.423	31.317	35.039	27.966
320.000	2.331	2.312	31.222	35.030	27.969
340.000	2.244	2.224	31.147	35.021	27.968
360.000	2.056	2.036	30.985	35.013	27.978
380.000	2.022	2.001	30.934	34.976	27.951
400.000	1.778	1.756	30.726	34.973	27.967
420.000	1.763	1.740	30.722	34.973	27.969
440.000	1.699	1.675	30.672	34.968	27.969
460.000	1.687	1.662	30.671	34.969	27.971
480.000	1.607	1.581	30.604	34.961	27.971
500.000	1.706	1.679	30.714	34.980	27.979

CTD Station 097

4.000	-0.095	-0.095	28.732	34.721	27.886
6.000	-0.095	-0.095	28.733	34.721	27.886
8.000	-0.095	-0.095	28.734	34.722	27.887
10.000	-0.097	-0.097	28.733	34.721	27.886
12.000	-0.097	-0.097	28.734	34.722	27.887
14.000	-0.097	-0.097	28.736	34.723	27.888
16.000	-0.097	-0.098	28.736	34.722	27.887
18.000	-0.095	-0.096	28.740	34.723	27.888
20.000	-0.097	-0.098	28.738	34.722	27.887
22.000	-0.090	-0.091	28.752	34.731	27.894
24.000	-0.094	-0.095	28.744	34.724	27.888
26.000	-0.008	-0.009	28.829	34.738	27.895
28.000	0.225	0.224	29.064	34.784	27.920
30.000	0.237	0.236	29.070	34.776	27.913
32.000	0.230	0.229	29.064	34.776	27.913
34.000	0.229	0.228	29.064	34.776	27.913
36.000	0.238	0.237	29.077	34.781	27.916
38.000	0.273	0.272	29.115	34.791	27.922
40.000	0.280	0.278	29.125	34.795	27.926
42.000	0.266	0.264	29.117	34.799	27.930
44.000	0.225	0.223	29.088	34.806	27.937
46.000	0.191	0.189	29.059	34.805	27.939
48.000	0.151	0.149	29.027	34.807	27.942
50.000	0.148	0.146	29.027	34.808	27.943
52.000	0.133	0.131	29.017	34.811	27.947
56.000	0.127	0.125	29.015	34.813	27.948
60.000	0.282	0.280	29.161	34.828	27.952
64.000	0.349	0.347	29.231	34.842	27.959
68.000	0.409	0.406	29.289	34.848	27.960
72.000	0.523	0.520	29.395	34.856	27.960
76.000	0.724	0.721	29.594	34.887	27.973
80.000	0.742	0.739	29.609	34.884	27.969
84.000	0.744	0.740	29.614	34.885	27.970
88.000	0.786	0.782	29.658	34.892	27.973
92.000	0.788	0.784	29.663	34.895	27.975
96.000	0.810	0.806	29.685	34.896	27.974
100.000	0.765	0.761	29.643	34.890	27.972
120.000	0.694	0.689	29.594	34.894	27.980
140.000	0.622	0.616	29.544	34.898	27.988
160.000	0.609	0.602	29.551	34.909	27.997
180.000	0.569	0.561	29.527	34.911	28.002
200.000	0.551	0.543	29.524	34.916	28.007
220.000	0.481	0.472	29.471	34.913	28.008
240.000	0.336	0.326	29.350	34.906	28.012
260.000	0.207	0.197	29.246	34.903	28.017
280.000	0.111	0.100	29.171	34.901	28.021
300.000	0.058	0.046	29.134	34.901	28.023
320.000	-0.003	-0.015	29.089	34.898	28.024
340.000	-0.038	-0.051	29.070	34.900	28.028
360.000	-0.093	-0.107	29.030	34.897	28.028
380.000	-0.161	-0.175	28.980	34.897	28.031
400.000	-0.214	-0.229	28.942	34.895	28.033
420.000	-0.264	-0.280	28.908	34.894	28.035
440.000	-0.319	-0.335	28.869	34.893	28.037
460.000	-0.370	-0.387	28.834	34.893	28.039
480.000	-0.401	-0.419	28.816	34.892	28.040
500.000	-0.443	-0.461	28.790	34.893	28.042

CTD Station 098

4.000	-0.444	-0.444	28.411	34.689	27.878
6.000	-0.451	-0.451	28.408	34.691	27.880
8.000	-0.456	-0.456	28.406	34.693	27.881
10.000	-0.465	-0.465	28.397	34.690	27.879
12.000	-0.469	-0.469	28.396	34.693	27.882
14.000	-0.475	-0.475	28.388	34.688	27.878
16.000	-0.485	-0.485	28.383	34.691	27.881
18.000	-0.481	-0.482	28.389	34.694	27.883
20.000	-0.481	-0.482	28.388	34.690	27.880
22.000	-0.483	-0.484	28.389	34.692	27.882
24.000	-0.484	-0.485	28.388	34.692	27.881
26.000	-0.486	-0.487	28.388	34.692	27.882
28.000	-0.485	-0.486	28.390	34.693	27.882
30.000	-0.489	-0.490	28.386	34.691	27.881
32.000	-0.489	-0.490	28.388	34.692	27.882
34.000	-0.525	-0.526	28.356	34.690	27.882
36.000	-0.584	-0.585	28.311	34.695	27.888
38.000	-0.659	-0.660	28.249	34.696	27.892
40.000	-0.689	-0.690	28.223	34.694	27.893
42.000	-0.831	-0.832	28.106	34.696	27.901
44.000	-0.922	-0.923	28.028	34.693	27.902
46.000	-0.986	-0.987	27.979	34.699	27.909
48.000	-0.963	-0.964	28.008	34.711	27.917
50.000	-0.916	-0.917	28.050	34.714	27.918
52.000	-0.914	-0.915	28.052	34.713	27.917
56.000	-0.810	-0.812	28.179	34.762	27.953
60.000	-0.732	-0.734	28.230	34.739	27.931
64.000	-0.757	-0.759	28.213	34.744	27.936
68.000	-0.493	-0.495	28.455	34.765	27.941
72.000	-0.449	-0.451	28.495	34.766	27.940
76.000	0.010	0.007	28.920	34.808	27.951
80.000	0.338	0.335	29.244	34.861	27.976
84.000	0.777	0.773	29.650	34.896	27.976
88.000	0.874	0.870	29.743	34.904	27.976
92.000	0.873	0.869	29.744	34.905	27.977
96.000	0.885	0.881	29.758	34.907	27.979
100.000	0.887	0.883	29.756	34.899	27.972
120.000	0.717	0.712	29.616	34.896	27.980
140.000	0.431	0.425	29.371	34.887	27.990
160.000	0.656	0.649	29.594	34.912	27.998
180.000	0.590	0.582	29.544	34.910	27.999
200.000	0.553	0.545	29.526	34.916	28.007
220.000	0.431	0.422	29.428	34.913	28.011
240.000	0.322	0.312	29.339	34.907	28.013
260.000	0.246	0.236	29.282	34.907	28.017
280.000	0.144	0.133	29.201	34.903	28.021
300.000	0.064	0.052	29.141	34.902	28.024
320.000	-0.028	-0.040	29.067	34.897	28.025
340.000	-0.099	-0.112	29.015	34.897	28.028
360.000	-0.154	-0.168	28.976	34.896	28.030
380.000	-0.214	-0.228	28.933	34.895	28.032
400.000	-0.276	-0.291	28.889	34.895	28.036
420.000	-0.315	-0.330	28.865	34.894	28.037
440.000	-0.350	-0.366	28.843	34.894	28.039
460.000	-0.392	-0.409	28.816	34.893	28.040
480.000	-0.444	-0.461	28.779	34.891	28.041
500.000	-0.476	-0.494	28.761	34.891	28.043

CTD Station 099

4.000	-0.481	-0.481	28.385	34.697	27.886
6.000	-0.486	-0.486	28.386	34.702	27.890
8.000	-0.484	-0.484	28.392	34.707	27.894
10.000	-0.499	-0.499	28.377	34.703	27.891
12.000	-0.504	-0.504	28.376	34.706	27.894
14.000	-0.504	-0.504	28.376	34.705	27.893
16.000	-0.504	-0.504	28.378	34.707	27.894
18.000	-0.517	-0.518	28.367	34.705	27.894
20.000	-0.515	-0.516	28.371	34.706	27.895
22.000	-0.558	-0.559	28.334	34.704	27.895
24.000	-0.567	-0.568	28.328	34.705	27.896
26.000	-0.571	-0.572	28.326	34.706	27.897
28.000	-0.572	-0.573	28.323	34.702	27.893
30.000	-0.571	-0.572	28.328	34.706	27.897
32.000	-0.574	-0.575	28.326	34.706	27.897
34.000	-0.576	-0.577	28.325	34.706	27.897
36.000	-0.574	-0.575	28.330	34.709	27.900
38.000	-0.607	-0.608	28.302	34.707	27.900
40.000	-0.641	-0.642	28.275	34.709	27.902
42.000	-0.646	-0.647	28.269	34.706	27.900
44.000	-0.722	-0.723	28.207	34.707	27.904
46.000	-0.758	-0.759	28.180	34.711	27.909
48.000	-0.825	-0.826	28.126	34.713	27.914
50.000	-0.892	-0.893	28.073	34.717	27.920
52.000	-0.925	-0.926	28.052	34.724	27.927
56.000	-0.837	-0.839	28.137	34.737	27.934
60.000	-0.840	-0.842	28.134	34.734	27.932
64.000	-0.680	-0.682	28.282	34.748	27.936
68.000	-0.660	-0.662	28.302	34.750	27.937
72.000	-0.845	-0.847	28.140	34.740	27.936
76.000	-0.936	-0.938	28.066	34.741	27.941
80.000	-1.012	-1.014	27.970	34.695	27.906
84.000	-0.793	-0.795	28.199	34.754	27.945
88.000	-0.435	-0.438	28.556	34.822	27.985
92.000	-0.144	-0.147	28.808	34.825	27.972
96.000	-0.166	-0.169	28.781	34.811	27.962
100.000	-0.255	-0.258	28.706	34.809	27.965
120.000	-0.066	-0.070	28.898	34.837	27.978
140.000	0.083	0.078	29.058	34.868	27.995
160.000	-1.156	-1.160	27.976	34.819	28.012
180.000	-0.575	-0.581	28.489	34.835	28.001
200.000	-1.157	-1.162	27.970	34.787	27.987
220.000	-0.651	-0.658	28.427	34.814	27.988
240.000	-0.674	-0.682	28.446	34.853	28.021
260.000	-0.545	-0.554	28.573	34.865	28.024
280.000	-0.568	-0.577	28.565	34.867	28.028
300.000	-0.571	-0.581	28.573	34.870	28.030
320.000	-0.524	-0.535	28.626	34.874	28.031
340.000	-0.613	-0.624	28.558	34.872	28.033
360.000	-0.557	-0.569	28.618	34.877	28.034
380.000	-0.614	-0.627	28.578	34.877	28.037
400.000	-0.589	-0.603	28.615	34.885	28.043
420.000	-0.607	-0.621	28.609	34.885	28.044
440.000	-0.621	-0.636	28.606	34.885	28.044
460.000	-0.688	-0.704	28.555	34.882	28.045
480.000	-0.746	-0.762	28.514	34.880	28.046
500.000	-0.747	-0.764	28.522	34.880	28.045

CTD Station 101

2.000	1.329	1.329	30.062	34.857	27.908
4.000	1.340	1.340	30.064	34.847	27.899
6.000	1.317	1.317	30.054	34.859	27.910
8.000	1.337	1.337	30.086	34.877	27.923
10.000	1.521	1.521	30.253	34.882	27.914
12.000	1.603	1.602	30.370	34.940	27.954
14.000	1.797	1.796	30.526	34.921	27.925
16.000	1.793	1.792	30.520	34.918	27.922
18.000	1.783	1.782	30.512	34.917	27.922
20.000	1.770	1.769	30.502	34.917	27.923
22.000	1.758	1.757	30.491	34.916	27.923
24.000	1.734	1.733	30.467	34.911	27.921
26.000	1.698	1.697	30.437	34.912	27.925
28.000	1.775	1.774	30.518	34.928	27.932
30.000	1.788	1.786	30.532	34.930	27.933
32.000	1.839	1.837	30.585	34.939	27.935
34.000	1.849	1.847	30.595	34.940	27.935
36.000	1.848	1.846	30.596	34.941	27.936
38.000	1.837	1.835	30.586	34.940	27.937
40.000	1.839	1.837	30.591	34.942	27.938
42.000	1.847	1.845	30.599	34.942	27.938
44.000	1.853	1.851	30.606	34.943	27.938
46.000	1.860	1.858	30.615	34.946	27.939
48.000	1.883	1.881	30.639	34.950	27.941
50.000	1.894	1.891	30.650	34.950	27.940
52.000	1.887	1.884	30.643	34.948	27.939
56.000	1.859	1.856	30.626	34.955	27.947
60.000	1.821	1.818	30.594	34.955	27.950
64.000	1.717	1.714	30.499	34.946	27.951
68.000	1.712	1.709	30.499	34.951	27.955
72.000	1.715	1.711	30.505	34.952	27.956
76.000	1.714	1.710	30.510	34.957	27.960
80.000	1.732	1.728	30.525	34.954	27.956
84.000	1.776	1.772	30.570	34.960	27.958
88.000	1.798	1.793	30.596	34.966	27.960
92.000	1.771	1.766	30.572	34.963	27.960
96.000	1.711	1.706	30.517	34.958	27.961
100.000	1.693	1.688	30.502	34.956	27.961
120.000	1.642	1.636	30.454	34.940	27.952
140.000	1.624	1.617	30.462	34.959	27.968
160.000	1.685	1.677	30.532	34.968	27.971
180.000	1.366	1.357	30.240	34.939	27.971
200.000	1.327	1.317	30.218	34.943	27.977
220.000	1.194	1.184	30.107	34.936	27.981
240.000	1.068	1.057	30.003	34.932	27.987
260.000	0.826	0.814	29.786	34.912	27.986
280.000	0.463	0.451	29.473	34.901	28.000
300.000	0.510	0.497	29.532	34.912	28.006
320.000	0.419	0.406	29.462	34.911	28.011
340.000	0.275	0.261	29.344	34.907	28.016
360.000	0.199	0.184	29.287	34.906	28.019
380.000	0.138	0.123	29.243	34.905	28.022
400.000	0.063	0.047	29.187	34.905	28.026
420.000	-0.014	-0.031	29.127	34.900	28.026
440.000	-0.101	-0.118	29.060	34.899	28.030
460.000	-0.158	-0.176	29.020	34.898	28.033
480.000	-0.228	-0.246	28.968	34.896	28.035
500.000	-0.264	-0.283	28.945	34.895	28.036

CTD Station 102

2.000	2.996	2.996	31.678	35.047	27.923
4.000	3.025	3.025	31.709	35.052	27.924
6.000	3.013	3.013	31.698	35.050	27.924
8.000	3.021	3.021	31.706	35.050	27.923
10.000	3.046	3.045	31.735	35.057	27.926
12.000	3.055	3.054	31.744	35.058	27.926
14.000	3.054	3.053	31.746	35.060	27.928
16.000	3.049	3.048	31.742	35.060	27.928
18.000	3.053	3.052	31.748	35.062	27.929
20.000	3.055	3.054	31.752	35.063	27.930
22.000	3.059	3.058	31.756	35.062	27.929
24.000	3.042	3.041	31.738	35.058	27.928
26.000	2.992	2.990	31.700	35.064	27.937
28.000	2.990	2.988	31.697	35.062	27.935
30.000	2.981	2.979	31.691	35.062	27.937
32.000	2.970	2.968	31.680	35.060	27.936
34.000	2.961	2.959	31.674	35.061	27.938
36.000	2.952	2.950	31.666	35.060	27.938
38.000	2.942	2.940	31.657	35.059	27.938
40.000	2.879	2.877	31.595	35.050	27.936
42.000	2.868	2.865	31.588	35.052	27.939
44.000	2.861	2.858	31.578	35.047	27.936
46.000	2.846	2.843	31.571	35.053	27.942
48.000	2.842	2.839	31.570	35.056	27.945
50.000	2.825	2.822	31.546	35.043	27.936
52.000	2.806	2.803	31.534	35.049	27.942
56.000	2.805	2.802	31.540	35.055	27.947
60.000	2.783	2.779	31.521	35.053	27.947
64.000	2.723	2.719	31.467	35.050	27.950
68.000	2.632	2.628	31.380	35.039	27.950
72.000	2.643	2.639	31.393	35.042	27.951
76.000	2.605	2.601	31.356	35.034	27.948
80.000	2.586	2.581	31.343	35.038	27.953
84.000	2.587	2.582	31.344	35.035	27.950
88.000	2.563	2.558	31.325	35.035	27.953
92.000	2.506	2.501	31.272	35.030	27.953
96.000	2.486	2.480	31.256	35.030	27.955
100.000	2.442	2.436	31.215	35.025	27.955
120.000	2.399	2.392	31.188	35.026	27.960
140.000	2.464	2.456	31.266	35.041	27.966
160.000	2.410	2.401	31.225	35.037	27.967
180.000	2.329	2.319	31.154	35.028	27.967
200.000	2.242	2.231	31.088	35.029	27.975
220.000	2.239	2.227	31.092	35.026	27.974
240.000	2.167	2.154	31.029	35.015	27.970
260.000	2.126	2.111	31.007	35.021	27.979
280.000	1.861	1.846	30.752	34.982	27.968
300.000	1.829	1.813	30.735	34.985	27.973
320.000	2.063	2.045	30.981	35.023	27.985
340.000	1.969	1.950	30.894	35.007	27.980
360.000	1.847	1.827	30.790	34.999	27.983
380.000	1.824	1.803	30.776	34.996	27.983
400.000	1.765	1.743	30.729	34.991	27.983
420.000	1.624	1.602	30.600	34.972	27.978
440.000	1.789	1.765	30.778	35.002	27.990
460.000	1.765	1.740	30.768	35.005	27.994
480.000	1.634	1.608	30.652	34.992	27.994
500.000	1.335	1.309	30.375	34.960	27.990

CTD Station 103

6.000	0.791	0.791	29.543	34.786	27.887
8.000	0.771	0.771	29.523	34.782	27.885
10.000	0.771	0.771	29.524	34.782	27.885
12.000	0.785	0.784	29.540	34.786	27.887
14.000	0.785	0.784	29.543	34.789	27.890
16.000	0.829	0.828	29.584	34.792	27.889
18.000	0.825	0.824	29.585	34.797	27.894
20.000	0.856	0.855	29.650	34.845	27.931
22.000	1.024	1.023	29.763	34.802	27.884
24.000	1.016	1.015	29.766	34.813	27.894
26.000	1.048	1.047	29.780	34.794	27.877
28.000	0.993	0.992	29.764	34.834	27.912
30.000	1.285	1.284	30.051	34.877	27.927
32.000	1.321	1.319	30.089	34.883	27.930
34.000	1.355	1.353	30.121	34.886	27.929
36.000	1.452	1.450	30.226	34.910	27.941
38.000	1.610	1.608	30.370	34.918	27.936
40.000	1.728	1.726	30.486	34.932	27.939
42.000	1.969	1.967	30.726	34.968	27.948
44.000	2.054	2.052	30.806	34.973	27.946
46.000	2.125	2.123	30.870	34.975	27.941
48.000	2.187	2.184	30.933	34.983	27.943
50.000	2.247	2.244	30.996	34.994	27.947
52.000	2.270	2.267	31.014	34.990	27.942
56.000	2.303	2.300	31.047	34.994	27.942
60.000	2.111	2.108	30.865	34.975	27.943
64.000	2.070	2.067	30.812	34.951	27.927
68.000	1.777	1.774	30.554	34.948	27.947
72.000	1.730	1.726	30.514	34.947	27.950
76.000	1.765	1.761	30.550	34.951	27.951
80.000	1.762	1.758	30.551	34.953	27.952
84.000	1.656	1.652	30.452	34.943	27.953
88.000	1.671	1.667	30.467	34.943	27.951
92.000	1.689	1.684	30.488	34.948	27.954
96.000	1.679	1.674	30.480	34.947	27.954
100.000	1.686	1.681	30.488	34.947	27.954
120.000	1.673	1.667	30.490	34.952	27.959
140.000	1.798	1.791	30.628	34.975	27.968
160.000	1.832	1.824	30.667	34.977	27.966
180.000	1.813	1.804	30.662	34.980	27.970
200.000	1.729	1.719	30.592	34.972	27.971
220.000	1.765	1.753	30.638	34.979	27.974
240.000	1.679	1.667	30.568	34.973	27.975
260.000	1.632	1.619	30.531	34.968	27.975
280.000	1.547	1.533	30.466	34.968	27.981
300.000	1.393	1.378	30.335	34.960	27.986
320.000	1.070	1.055	30.040	34.931	27.985
340.000	0.811	0.796	29.814	34.918	27.992
360.000	0.641	0.625	29.672	34.912	27.998
380.000	0.539	0.522	29.593	34.912	28.004
400.000	0.484	0.467	29.555	34.912	28.007



CTD Station 105

4.000	0.068	0.068	28.870	34.720	27.877
6.000	0.072	0.072	28.873	34.717	27.874
8.000	0.080	0.080	28.882	34.720	27.876
10.000	0.082	0.082	28.886	34.721	27.877
12.000	0.088	0.088	28.893	34.723	27.878
14.000	0.093	0.092	28.895	34.718	27.874
16.000	0.096	0.095	28.902	34.723	27.878
18.000	0.091	0.090	28.902	34.728	27.881
20.000	0.101	0.100	28.908	34.722	27.877
22.000	0.089	0.088	28.904	34.730	27.884
24.000	-0.057	-0.058	28.761	34.704	27.870
26.000	-0.046	-0.047	28.775	34.709	27.874
28.000	-0.107	-0.108	28.710	34.690	27.862
30.000	-0.212	-0.213	28.630	34.702	27.876
32.000	-0.265	-0.266	28.593	34.711	27.887
34.000	-0.238	-0.239	28.623	34.721	27.893
36.000	-0.234	-0.235	28.630	34.724	27.895
38.000	-0.276	-0.277	28.586	34.712	27.888
40.000	-0.339	-0.340	28.532	34.710	27.889
42.000	-0.455	-0.456	28.418	34.688	27.877
44.000	-0.518	-0.519	28.388	34.718	27.904
46.000	-0.729	-0.730	28.195	34.698	27.897
48.000	-0.811	-0.812	28.118	34.686	27.891
50.000	-0.813	-0.814	28.118	34.688	27.893
52.000	-0.924	-0.925	28.034	34.699	27.906
56.000	-1.063	-1.064	27.911	34.688	27.903
60.000	-1.109	-1.111	27.879	34.696	27.911
64.000	-1.012	-1.014	27.970	34.705	27.915
68.000	-1.012	-1.014	27.980	34.716	27.924
72.000	-0.891	-0.893	28.086	34.719	27.922
76.000	-0.828	-0.830	28.149	34.730	27.928
80.000	-0.752	-0.754	28.227	34.746	27.938
84.000	-0.569	-0.572	28.385	34.747	27.930
88.000	-0.424	-0.427	28.522	34.764	27.937
92.000	-0.522	-0.525	28.438	34.761	27.939
96.000	-0.383	-0.386	28.564	34.768	27.938
100.000	-0.066	-0.070	28.864	34.805	27.952
120.000	-0.099	-0.103	28.857	34.821	27.967
140.000	-0.170	-0.175	28.828	34.851	27.995
160.000	-0.104	-0.110	28.888	34.843	27.985
180.000	0.329	0.322	29.305	34.891	28.000
200.000	0.147	0.139	29.159	34.892	28.011
220.000	0.417	0.408	29.415	34.912	28.012
240.000	0.275	0.265	29.298	34.907	28.016
260.000	0.267	0.257	29.302	34.909	28.018
280.000	0.219	0.208	29.269	34.908	28.020
300.000	0.155	0.143	29.216	34.898	28.016
320.000	0.057	0.045	29.142	34.900	28.023
340.000	-0.020	-0.033	29.086	34.901	28.027
360.000	-0.125	-0.139	29.003	34.899	28.031
380.000	-0.160	-0.174	28.982	34.898	28.032
400.000	-0.219	-0.234	28.939	34.896	28.034
420.000	-0.244	-0.260	28.925	34.894	28.033
440.000	-0.296	-0.312	28.890	34.894	28.036
460.000	-0.347	-0.364	28.856	34.895	28.039
480.000	-0.371	-0.389	28.844	34.895	28.040
500.000	-0.410	-0.428	28.820	34.895	28.042

CTD Station 105a

4.000	-0.065	-0.065	28.736	34.693	27.862
6.000	-0.069	-0.069	28.737	34.697	27.865
8.000	-0.070	-0.070	28.738	34.698	27.866
10.000	-0.071	-0.071	28.739	34.699	27.867
12.000	-0.070	-0.070	28.729	34.684	27.855
14.000	-0.100	-0.100	28.708	34.689	27.860
16.000	-0.152	-0.153	28.662	34.685	27.860
18.000	-0.143	-0.144	28.677	34.694	27.867
20.000	-0.139	-0.140	28.691	34.707	27.877
22.000	-0.134	-0.135	28.688	34.696	27.868
24.000	-0.161	-0.162	28.636	34.655	27.836
26.000	-0.219	-0.220	28.620	34.699	27.874
28.000	-0.232	-0.233	28.615	34.706	27.881
30.000	-0.244	-0.245	28.604	34.703	27.879
32.000	-0.347	-0.348	28.516	34.702	27.883
34.000	-0.477	-0.478	28.404	34.699	27.887
36.000	-0.488	-0.489	28.415	34.725	27.909
38.000	-0.400	-0.401	28.476	34.706	27.889
40.000	-0.942	-0.943	28.020	34.708	27.914
42.000	-0.868	-0.869	28.108	34.742	27.939
44.000	-0.735	-0.736	28.204	34.719	27.914
46.000	-0.598	-0.599	28.381	34.799	27.974
48.000	-0.074	-0.076	28.810	34.774	27.928
50.000	0.151	0.149	29.000	34.770	27.912
52.000	0.636	0.634	29.460	34.826	27.929
56.000	0.979	0.977	29.781	34.855	27.931
60.000	1.428	1.425	30.208	34.900	27.935
64.000	1.380	1.377	30.164	34.894	27.934
68.000	0.986	0.983	29.799	34.863	27.936
72.000	0.726	0.723	29.541	34.817	27.916
76.000	-0.102	-0.105	28.801	34.777	27.932
80.000	-0.078	-0.081	28.832	34.788	27.939
84.000	-0.036	-0.039	28.875	34.795	27.943
88.000	0.114	0.111	29.016	34.810	27.946
92.000	0.026	0.023	28.943	34.810	27.952
96.000	0.168	0.164	29.090	34.841	27.969
100.000	0.493	0.489	29.386	34.860	27.965
120.000	0.197	0.192	29.128	34.845	27.970
140.000	0.960	0.954	29.852	34.918	27.982
160.000	0.563	0.556	29.500	34.894	27.988
180.000	0.131	0.124	29.117	34.868	27.993
200.000	0.432	0.424	29.419	34.913	28.012
220.000	0.293	0.284	29.301	34.903	28.011
240.000	0.264	0.254	29.285	34.903	28.013
260.000	0.199	0.189	29.243	34.908	28.021
280.000	0.126	0.115	29.188	34.906	28.024
300.000	0.095	0.083	29.171	34.907	28.026
320.000	0.038	0.026	29.129	34.904	28.027
340.000	-0.028	-0.041	29.075	34.896	28.024
360.000	-0.064	-0.078	29.055	34.898	28.027
380.000	-0.114	-0.128	29.022	34.899	28.031
400.000	-0.196	-0.211	28.957	34.893	28.031
420.000	-0.240	-0.256	28.929	34.895	28.034
440.000	-0.306	-0.322	28.881	34.894	28.036
460.000	-0.330	-0.347	28.871	34.896	28.039
480.000	-0.374	-0.392	28.841	34.894	28.040
500.000	-0.428	-0.446	28.804	34.894	28.042

CTD Station 106

2.000	0.559	0.559	29.336	34.780	27.896
4.000	0.559	0.559	29.337	34.780	27.897
6.000	0.555	0.555	29.335	34.781	27.898
8.000	0.551	0.551	29.335	34.784	27.901
10.000	0.559	0.559	29.340	34.781	27.897
12.000	0.570	0.570	29.349	34.779	27.896
14.000	0.574	0.573	29.352	34.777	27.893
16.000	0.572	0.571	29.353	34.779	27.895
18.000	0.571	0.570	29.352	34.778	27.895
20.000	0.561	0.560	29.347	34.782	27.898
22.000	0.539	0.538	29.329	34.781	27.899
24.000	0.549	0.548	29.340	34.783	27.900
26.000	0.516	0.515	29.310	34.780	27.899
28.000	0.490	0.489	29.291	34.783	27.903
30.000	0.445	0.444	29.255	34.785	27.908
32.000	0.414	0.413	29.229	34.785	27.909
34.000	0.409	0.408	29.226	34.786	27.910
36.000	0.404	0.403	29.224	34.787	27.912
38.000	0.380	0.379	29.205	34.788	27.914
40.000	0.368	0.366	29.203	34.798	27.923
42.000	0.433	0.431	29.278	34.822	27.938
44.000	0.545	0.543	29.393	34.844	27.950
46.000	0.630	0.628	29.480	34.861	27.958
48.000	0.989	0.987	29.859	34.949	28.005
50.000	1.146	1.144	29.968	34.912	27.965
52.000	1.339	1.337	30.145	34.924	27.961
56.000	1.350	1.347	30.162	34.930	27.965
60.000	1.268	1.265	30.090	34.928	27.969
64.000	1.321	1.318	30.138	34.928	27.965
68.000	1.394	1.391	30.212	34.938	27.968
72.000	1.462	1.458	30.278	34.945	27.969
76.000	1.485	1.481	30.303	34.949	27.970
80.000	1.485	1.481	30.304	34.947	27.969
84.000	1.462	1.458	30.286	34.948	27.971
88.000	1.428	1.424	30.254	34.943	27.970
92.000	1.426	1.422	30.255	34.943	27.970
96.000	1.397	1.392	30.229	34.940	27.970
100.000	1.397	1.392	30.228	34.936	27.967
120.000	1.068	1.063	29.937	34.918	27.975
140.000	0.883	0.877	29.776	34.906	27.978
160.000	0.771	0.764	29.689	34.906	27.985
180.000	0.640	0.632	29.574	34.892	27.982
200.000	0.554	0.546	29.518	34.904	27.997
220.000	0.533	0.524	29.512	34.909	28.002
240.000	0.442	0.432	29.445	34.911	28.009
260.000	0.339	0.328	29.365	34.911	28.015
280.000	0.234	0.223	29.281	34.908	28.019
300.000	0.160	0.148	29.224	34.904	28.020
320.000	0.081	0.068	29.165	34.903	28.024
340.000	0.018	0.005	29.118	34.901	28.026
360.000	-0.036	-0.050	29.080	34.899	28.026
380.000	-0.090	-0.105	29.041	34.897	28.027
400.000	-0.163	-0.178	28.987	34.896	28.031
420.000	-0.216	-0.232	28.948	34.893	28.031
440.000	-0.269	-0.285	28.913	34.895	28.036
460.000	-0.331	-0.348	28.869	34.894	28.038
480.000	-0.381	-0.399	28.834	34.893	28.039
500.000	-0.428	-0.446	28.802	34.892	28.041

CTD Station 107

4.000	0.463	0.463	29.241	34.763	27.889
6.000	0.473	0.473	29.253	34.766	27.891
8.000	0.475	0.475	29.253	34.763	27.888
10.000	0.464	0.464	29.245	34.763	27.889
12.000	0.447	0.447	29.226	34.757	27.885
14.000	0.449	0.448	29.231	34.759	27.886
16.000	0.465	0.464	29.251	34.767	27.892
18.000	0.480	0.479	29.263	34.764	27.888
20.000	0.387	0.386	29.182	34.762	27.892
22.000	0.376	0.375	29.173	34.760	27.891
24.000	0.352	0.351	29.156	34.764	27.896
26.000	0.331	0.330	29.139	34.764	27.897
28.000	0.271	0.270	29.090	34.767	27.903
30.000	0.265	0.264	29.090	34.771	27.907
32.000	0.261	0.260	29.089	34.774	27.910
34.000	0.245	0.244	29.076	34.773	27.909
36.000	0.235	0.234	29.066	34.771	27.908
38.000	0.138	0.137	28.996	34.786	27.926
40.000	0.133	0.132	28.995	34.790	27.929
42.000	0.177	0.175	29.042	34.801	27.936
44.000	0.191	0.189	29.055	34.801	27.935
46.000	0.192	0.190	29.058	34.802	27.936
48.000	0.193	0.191	29.062	34.805	27.938
50.000	0.227	0.225	29.095	34.809	27.940
52.000	0.234	0.232	29.104	34.812	27.942
56.000	0.276	0.274	29.146	34.817	27.943
60.000	0.310	0.308	29.184	34.827	27.949
64.000	0.410	0.407	29.276	34.832	27.948
68.000	0.591	0.588	29.451	34.855	27.955
72.000	0.595	0.592	29.463	34.864	27.962
76.000	0.653	0.650	29.517	34.866	27.960
80.000	0.646	0.643	29.515	34.868	27.963
84.000	0.706	0.702	29.577	34.879	27.968
88.000	0.747	0.743	29.614	34.880	27.966
92.000	0.725	0.721	29.598	34.880	27.967
96.000	0.823	0.819	29.694	34.893	27.971
100.000	0.853	0.849	29.724	34.896	27.971
120.000	0.891	0.886	29.771	34.902	27.974
140.000	1.015	1.009	29.906	34.925	27.984
160.000	1.034	1.027	29.931	34.925	27.983
180.000	0.950	0.942	29.866	34.924	27.988
200.000	0.613	0.604	29.569	34.903	27.993
220.000	0.592	0.583	29.566	34.912	28.001
240.000	0.497	0.487	29.491	34.909	28.005
260.000	0.438	0.427	29.451	34.912	28.011
280.000	0.319	0.308	29.355	34.909	28.015
300.000	0.230	0.218	29.287	34.907	28.019
320.000	0.152	0.139	29.226	34.904	28.020
340.000	0.095	0.082	29.187	34.904	28.024
360.000	0.001	-0.013	29.112	34.900	28.026
380.000	-0.069	-0.084	29.059	34.897	28.027
400.000	-0.129	-0.144	29.016	34.896	28.029
420.000	-0.199	-0.215	28.964	34.894	28.031
440.000	-0.242	-0.259	28.936	34.894	28.033
460.000	-0.283	-0.300	28.910	34.894	28.036
480.000	-0.317	-0.335	28.889	34.893	28.036
500.000	-0.354	-0.373	28.866	34.893	28.038

CTD Station 108

4.000	0.415	0.415	29.192	34.752	27.883
6.000	0.420	0.420	29.198	34.753	27.883
8.000	0.423	0.423	29.200	34.752	27.882
10.000	0.421	0.421	29.203	34.756	27.886
12.000	0.423	0.423	29.200	34.750	27.880
14.000	0.419	0.418	29.201	34.754	27.884
16.000	0.417	0.416	29.198	34.751	27.882
18.000	0.418	0.417	29.202	34.754	27.884
20.000	0.419	0.418	29.205	34.755	27.885
22.000	0.422	0.421	29.210	34.758	27.887
24.000	0.431	0.430	29.222	34.761	27.889
26.000	0.397	0.396	29.196	34.765	27.895
28.000	0.392	0.391	29.194	34.766	27.896
30.000	0.211	0.210	29.059	34.792	27.927
32.000	0.402	0.401	29.235	34.807	27.928
34.000	0.423	0.422	29.251	34.803	27.924
36.000	0.421	0.420	29.254	34.808	27.928
38.000	0.467	0.465	29.316	34.835	27.947
40.000	0.763	0.761	29.579	34.844	27.936
42.000	0.946	0.944	29.764	34.877	27.951
44.000	1.029	1.027	29.837	34.878	27.946
46.000	1.061	1.059	29.869	34.883	27.947
48.000	1.155	1.153	29.974	34.912	27.964
50.000	1.235	1.233	30.036	34.901	27.950
52.000	1.311	1.309	30.113	34.913	27.954
56.000	1.545	1.542	30.335	34.934	27.954
60.000	1.640	1.637	30.434	34.952	27.961
64.000	1.777	1.774	30.566	34.965	27.961
68.000	2.005	2.001	30.784	34.986	27.960
72.000	2.008	2.004	30.791	34.989	27.962
76.000	2.013	2.009	30.796	34.988	27.961
80.000	2.023	2.019	30.807	34.988	27.960
84.000	2.047	2.042	30.831	34.988	27.959
88.000	2.063	2.058	30.851	34.995	27.963
92.000	2.062	2.057	30.853	34.995	27.963
96.000	1.924	1.919	30.721	34.979	27.961
100.000	1.936	1.931	30.736	34.983	27.964
120.000	1.831	1.825	30.646	34.974	27.965
140.000	1.349	1.342	30.207	34.940	27.973
160.000	1.313	1.305	30.180	34.933	27.970
180.000	1.275	1.266	30.155	34.932	27.972
200.000	1.051	1.042	29.962	34.923	27.980
220.000	1.074	1.064	30.000	34.933	27.987
240.000	0.838	0.827	29.798	34.925	27.996
260.000	0.780	0.768	29.757	34.925	28.000
280.000	0.722	0.710	29.719	34.930	28.008
300.000	0.549	0.536	29.570	34.918	28.009
320.000	0.391	0.378	29.440	34.914	28.015
340.000	0.275	0.261	29.347	34.911	28.020
360.000	0.136	0.122	29.232	34.905	28.022
380.000	0.076	0.061	29.189	34.905	28.025
400.000	-0.068	-0.083	29.068	34.896	28.026
420.000	-0.135	-0.151	29.020	34.896	28.030
440.000	-0.185	-0.202	28.985	34.895	28.031
460.000	-0.200	-0.218	28.981	34.895	28.032
480.000	-0.284	-0.302	28.917	34.893	28.034
500.000	-0.339	-0.358	28.878	34.891	28.036

CTD Station 109

4.000	-0.105	-0.105	28.708	34.700	27.870
6.000	-0.102	-0.102	28.710	34.699	27.869
8.000	-0.075	-0.075	28.736	34.701	27.869
10.000	-0.105	-0.105	28.711	34.700	27.870
12.000	-0.104	-0.104	28.712	34.700	27.870
14.000	-0.105	-0.105	28.713	34.701	27.870
16.000	-0.106	-0.107	28.714	34.703	27.872
18.000	-0.106	-0.107	28.715	34.703	27.872
20.000	-0.106	-0.107	28.716	34.703	27.872
22.000	-0.112	-0.113	28.714	34.706	27.874
24.000	-0.118	-0.119	28.712	34.708	27.877
26.000	-0.116	-0.117	28.713	34.706	27.875
28.000	-0.119	-0.120	28.708	34.701	27.871
30.000	-0.112	-0.113	28.716	34.703	27.873
32.000	-0.111	-0.112	28.714	34.698	27.868
34.000	-0.155	-0.156	28.685	34.708	27.879
36.000	-0.116	-0.117	28.722	34.712	27.879
38.000	-0.106	-0.107	28.726	34.705	27.874
40.000	-0.124	-0.125	28.712	34.706	27.875
42.000	-0.114	-0.115	28.722	34.706	27.875
44.000	-0.106	-0.108	28.727	34.702	27.872
46.000	-0.112	-0.114	28.724	34.704	27.873
48.000	-0.109	-0.111	28.725	34.701	27.870
50.000	-0.501	-0.503	28.389	34.696	27.886
52.000	-0.598	-0.600	28.308	34.697	27.891
56.000	-0.890	-0.892	28.074	34.712	27.916
60.000	-0.869	-0.871	28.100	34.721	27.922
64.000	-0.850	-0.852	28.122	34.727	27.926
68.000	-0.817	-0.819	28.155	34.731	27.928
72.000	-0.822	-0.824	28.155	34.734	27.931
76.000	-0.835	-0.837	28.146	34.734	27.931
80.000	-0.852	-0.854	28.133	34.733	27.931
84.000	-0.783	-0.785	28.203	34.746	27.939
88.000	-0.669	-0.672	28.312	34.760	27.945
92.000	-0.423	-0.426	28.536	34.778	27.948
96.000	-0.392	-0.395	28.562	34.776	27.945
100.000	-0.676	-0.679	28.317	34.768	27.952
120.000	0.122	0.117	29.070	34.852	27.980
140.000	0.184	0.179	29.147	34.871	27.992
160.000	0.225	0.219	29.198	34.881	27.998
180.000	0.280	0.273	29.267	34.896	28.007
200.000	0.215	0.207	29.221	34.898	28.012
220.000	0.245	0.236	29.262	34.905	28.016
240.000	0.189	0.180	29.222	34.905	28.019
260.000	0.109	0.099	29.162	34.904	28.023
280.000	0.068	0.057	29.134	34.902	28.023
300.000	-0.006	-0.017	29.078	34.899	28.025
320.000	-0.064	-0.076	29.038	34.900	28.029
340.000	-0.146	-0.159	28.974	34.896	28.030
360.000	-0.199	-0.212	28.937	34.896	28.032
380.000	-0.254	-0.268	28.899	34.894	28.034
400.000	-0.292	-0.307	28.874	34.893	28.035
420.000	-0.348	-0.363	28.835	34.893	28.037
440.000	-0.400	-0.416	28.798	34.890	28.038
460.000	-0.426	-0.443	28.786	34.891	28.040
480.000	-0.454	-0.471	28.769	34.889	28.040
500.000	-0.491	-0.509	28.748	34.890	28.043

CTD Station 110

4.000	-0.343	-0.343	28.504	34.698	27.880
6.000	-0.343	-0.343	28.505	34.698	27.880
8.000	-0.340	-0.340	28.509	34.700	27.881
10.000	-0.346	-0.346	28.504	34.699	27.880
12.000	-0.348	-0.348	28.506	34.702	27.884
14.000	-0.348	-0.348	28.504	34.698	27.880
16.000	-0.347	-0.348	28.505	34.697	27.880
18.000	-0.347	-0.348	28.510	34.703	27.884
20.000	-0.343	-0.344	28.511	34.699	27.881
22.000	-0.338	-0.339	28.516	34.699	27.880
24.000	-0.338	-0.339	28.517	34.699	27.880
26.000	-0.341	-0.342	28.516	34.699	27.881
28.000	-0.342	-0.343	28.516	34.699	27.881
30.000	-0.340	-0.341	28.518	34.699	27.880
32.000	-0.347	-0.348	28.515	34.701	27.882
34.000	-0.362	-0.363	28.505	34.703	27.885
36.000	-0.372	-0.373	28.500	34.707	27.888
38.000	-0.394	-0.395	28.486	34.712	27.893
40.000	-0.419	-0.420	28.467	34.714	27.896
42.000	-0.431	-0.432	28.458	34.713	27.896
44.000	-0.449	-0.450	28.444	34.715	27.899
46.000	-0.461	-0.462	28.435	34.715	27.899
48.000	-0.470	-0.472	28.429	34.716	27.900
50.000	-0.488	-0.490	28.413	34.714	27.899
52.000	-0.587	-0.589	28.326	34.709	27.900
56.000	-0.883	-0.885	28.082	34.715	27.918
60.000	-0.994	-0.996	27.990	34.715	27.922
64.000	-0.953	-0.955	28.034	34.725	27.929
68.000	-0.975	-0.977	28.011	34.716	27.923
72.000	-1.029	-1.031	27.969	34.719	27.927
76.000	-1.035	-1.037	27.969	34.723	27.931
80.000	-0.947	-0.949	28.052	34.733	27.935
84.000	-1.034	-1.036	27.985	34.739	27.943
88.000	-0.924	-0.926	28.072	34.728	27.930
92.000	-0.943	-0.946	28.066	34.740	27.940
96.000	-0.896	-0.899	28.122	34.760	27.955
100.000	-0.846	-0.849	28.165	34.758	27.951
120.000	-0.026	-0.030	28.943	34.852	27.988
140.000	0.019	0.014	28.987	34.848	27.982
160.000	-0.115	-0.121	28.881	34.846	27.988
180.000	0.190	0.183	29.179	34.883	28.002
200.000	0.245	0.237	29.241	34.890	28.004
220.000	0.317	0.308	29.328	34.910	28.016
240.000	-0.122	-0.131	28.938	34.882	28.017
260.000	0.199	0.189	29.243	34.908	28.021
280.000	0.142	0.131	29.202	34.907	28.024
300.000	0.018	0.006	29.100	34.901	28.026
320.000	-0.073	-0.085	29.027	34.895	28.026
340.000	-0.472	-0.484	28.674	34.867	28.023
360.000	-0.749	-0.761	28.433	34.848	28.020
380.000	-0.465	-0.478	28.717	34.893	28.043
400.000	-0.608	-0.622	28.584	34.865	28.028
420.000	-0.657	-0.671	28.552	34.866	28.031
440.000	-0.516	-0.532	28.694	34.883	28.037
460.000	-0.560	-0.576	28.662	34.879	28.037
480.000	-0.533	-0.550	28.698	34.884	28.039
500.000	-0.566	-0.584	28.678	34.882	28.039

CTD Station 111

2.000	-0.241	-0.241	28.597	34.708	27.883
4.000	-0.240	-0.240	28.598	34.707	27.882
6.000	-0.240	-0.240	28.598	34.706	27.881
8.000	-0.241	-0.241	28.600	34.708	27.883
10.000	-0.241	-0.241	28.601	34.708	27.883
12.000	-0.241	-0.241	28.602	34.708	27.883
14.000	-0.240	-0.240	28.603	34.708	27.883
16.000	-0.240	-0.241	28.604	34.707	27.882
18.000	-0.241	-0.242	28.605	34.709	27.884
20.000	-0.241	-0.242	28.605	34.708	27.883
22.000	-0.241	-0.242	28.606	34.708	27.883
24.000	-0.241	-0.242	28.606	34.707	27.882
26.000	-0.242	-0.243	28.607	34.708	27.883
28.000	-0.242	-0.243	28.609	34.710	27.884
30.000	-0.242	-0.243	28.609	34.708	27.883
32.000	-0.243	-0.244	28.608	34.707	27.882
34.000	-0.243	-0.244	28.610	34.709	27.884
36.000	-0.243	-0.244	28.612	34.710	27.885
38.000	-0.252	-0.253	28.603	34.707	27.883
40.000	-0.275	-0.276	28.584	34.706	27.883
42.000	-0.399	-0.400	28.470	34.694	27.879
44.000	-0.508	-0.509	28.383	34.700	27.890
46.000	-0.641	-0.642	28.255	34.679	27.878
48.000	-0.850	-0.851	28.082	34.682	27.890
50.000	-1.036	-1.037	27.938	34.698	27.911
52.000	-0.939	-0.940	28.033	34.716	27.921
56.000	-0.905	-0.907	28.066	34.718	27.921
60.000	-0.922	-0.924	28.057	34.723	27.926
64.000	-0.993	-0.995	27.996	34.719	27.925
68.000	-0.852	-0.854	28.125	34.730	27.929
72.000	-0.873	-0.875	28.094	34.710	27.913
76.000	-0.775	-0.777	28.201	34.739	27.933
80.000	-0.528	-0.531	28.451	34.792	27.965
84.000	-0.080	-0.083	28.844	34.804	27.952
88.000	0.160	0.157	29.082	34.845	27.973
92.000	0.442	0.438	29.334	34.855	27.964
96.000	0.761	0.757	29.645	34.899	27.980
100.000	0.817	0.813	29.697	34.902	27.979
120.000	0.750	0.745	29.643	34.895	27.977
140.000	0.408	0.402	29.352	34.888	27.993
160.000	0.497	0.490	29.452	34.906	28.002
180.000	0.370	0.363	29.352	34.907	28.010
200.000	0.366	0.358	29.360	34.909	28.012
220.000	0.277	0.268	29.290	34.906	28.015
240.000	0.175	0.166	29.210	34.904	28.019
260.000	0.086	0.076	29.142	34.903	28.023
280.000	0.002	-0.009	29.076	34.900	28.025
300.000	-0.079	-0.090	29.013	34.896	28.026
320.000	-0.241	-0.253	28.878	34.889	28.029
340.000	-0.193	-0.206	28.932	34.894	28.031
360.000	-0.255	-0.268	28.888	34.894	28.034
380.000	-0.259	-0.273	28.895	34.895	28.035
400.000	-0.308	-0.323	28.861	34.894	28.037
420.000	-0.340	-0.355	28.842	34.893	28.038
440.000	-0.388	-0.404	28.811	34.894	28.040
460.000	-0.433	-0.450	28.780	34.892	28.041
480.000	-0.495	-0.512	28.734	34.888	28.041
500.000	-0.557	-0.575	28.689	34.888	28.044



CTD Station 113

4.000	-1.022	-1.022	27.959	34.740	27.944
6.000	-1.025	-1.025	27.958	34.741	27.944
8.000	-1.021	-1.021	27.965	34.745	27.947
10.000	-1.023	-1.023	27.964	34.744	27.947
12.000	-1.019	-1.019	27.968	34.744	27.947
14.000	-1.025	-1.025	27.965	34.745	27.948
16.000	-1.028	-1.028	27.964	34.746	27.949
18.000	-1.029	-1.029	27.962	34.744	27.947
20.000	-1.025	-1.026	27.969	34.747	27.950
22.000	-1.025	-1.026	27.970	34.747	27.950
24.000	-1.026	-1.027	27.969	34.746	27.949
26.000	-1.036	-1.037	27.962	34.746	27.949
28.000	-1.040	-1.041	27.961	34.749	27.951
30.000	-1.038	-1.039	27.961	34.745	27.948
32.000	-1.041	-1.042	27.961	34.747	27.950
34.000	-1.046	-1.047	27.958	34.747	27.950
36.000	-1.077	-1.078	27.934	34.749	27.953
38.000	-1.111	-1.112	27.905	34.748	27.953
40.000	-1.161	-1.162	27.869	34.755	27.961
42.000	-1.169	-1.170	27.857	34.746	27.954
44.000	-1.161	-1.162	27.867	34.749	27.956
46.000	-1.181	-1.182	27.848	34.746	27.954
48.000	-1.219	-1.220	27.812	34.739	27.950
50.000	-1.295	-1.296	27.751	34.742	27.955
52.000	-1.333	-1.334	27.722	34.744	27.959
56.000	-1.401	-1.402	27.667	34.744	27.961
60.000	-1.482	-1.483	27.604	34.749	27.968
64.000	-1.577	-1.578	27.525	34.747	27.969
68.000	-1.618	-1.619	27.491	34.746	27.969
72.000	-1.633	-1.635	27.482	34.748	27.972
76.000	-1.643	-1.645	27.477	34.750	27.973
80.000	-1.663	-1.665	27.462	34.750	27.974
84.000	-1.667	-1.669	27.460	34.750	27.974
88.000	-1.673	-1.675	27.457	34.749	27.974
92.000	-1.681	-1.683	27.453	34.751	27.975
96.000	-1.685	-1.687	27.450	34.749	27.974
100.000	-1.689	-1.691	27.450	34.751	27.976
120.000	-1.666	-1.669	27.481	34.754	27.977
140.000	-1.592	-1.595	27.558	34.762	27.982
160.000	-1.298	-1.302	27.833	34.787	27.992
180.000	-0.681	-0.687	28.401	34.838	28.009
200.000	-0.334	-0.341	28.722	34.860	28.010
220.000	-0.350	-0.358	28.722	34.866	28.016
240.000	-0.133	-0.142	28.930	34.884	28.020
260.000	-0.168	-0.178	28.910	34.884	28.022
280.000	-0.207	-0.217	28.886	34.885	28.025
300.000	-0.205	-0.216	28.900	34.889	28.027
320.000	-0.310	-0.321	28.816	34.884	28.029
340.000	-0.342	-0.354	28.800	34.887	28.032
360.000	-0.412	-0.425	28.749	34.888	28.036
380.000	-0.447	-0.460	28.726	34.885	28.036
400.000	-0.484	-0.498	28.704	34.885	28.038
420.000	-0.519	-0.534	28.684	34.886	28.040
440.000	-0.543	-0.558	28.673	34.886	28.041
460.000	-0.573	-0.589	28.656	34.886	28.042
480.000	-0.604	-0.621	28.638	34.885	28.044
500.000	-0.617	-0.634	28.637	34.886	28.044

CTD Station 115

2.000	-0.970	-0.970	27.998	34.735	27.938
4.000	-0.965	-0.965	28.005	34.737	27.939
6.000	-0.984	-0.984	27.991	34.739	27.941
8.000	-0.991	-0.991	27.984	34.736	27.939
10.000	-1.003	-1.003	27.977	34.740	27.943
12.000	-1.003	-1.003	27.976	34.737	27.941
14.000	-1.003	-1.003	27.981	34.742	27.944
16.000	-1.007	-1.007	27.976	34.738	27.941
18.000	-0.999	-0.999	27.984	34.739	27.942
20.000	-1.016	-1.017	27.971	34.740	27.943
22.000	-1.013	-1.014	27.972	34.737	27.941
24.000	-1.017	-1.018	27.972	34.740	27.943
26.000	-1.012	-1.013	27.980	34.743	27.946
28.000	-1.013	-1.014	27.976	34.738	27.942
30.000	-1.020	-1.021	27.973	34.741	27.944
32.000	-1.035	-1.036	27.959	34.737	27.942
34.000	-1.033	-1.034	27.961	34.737	27.942
36.000	-1.063	-1.064	27.937	34.737	27.943
38.000	-1.082	-1.083	27.924	34.741	27.947
40.000	-1.083	-1.084	27.924	34.740	27.946
42.000	-1.090	-1.091	27.919	34.741	27.947
44.000	-1.105	-1.106	27.906	34.739	27.946
46.000	-1.126	-1.127	27.891	34.740	27.948
48.000	-1.140	-1.141	27.880	34.741	27.949
50.000	-1.158	-1.159	27.866	34.741	27.950
52.000	-1.191	-1.192	27.840	34.742	27.951
56.000	-1.363	-1.364	27.695	34.740	27.956
60.000	-1.538	-1.539	27.560	34.754	27.973
64.000	-1.608	-1.609	27.503	34.754	27.975
68.000	-1.618	-1.619	27.498	34.756	27.978
72.000	-1.630	-1.632	27.494	34.761	27.982
76.000	-1.635	-1.637	27.493	34.764	27.984
80.000	-1.637	-1.639	27.495	34.766	27.986
84.000	-1.638	-1.640	27.498	34.769	27.989
88.000	-1.633	-1.635	27.507	34.773	27.992
92.000	-1.572	-1.574	27.572	34.789	28.003
96.000	-1.539	-1.541	27.602	34.791	28.003
100.000	-1.521	-1.523	27.621	34.793	28.004
120.000	-1.337	-1.340	27.801	34.814	28.015
140.000	-1.373	-1.376	27.779	34.814	28.017
160.000	-1.388	-1.392	27.786	34.828	28.029
180.000	-1.304	-1.309	27.870	34.834	28.030
200.000	-1.151	-1.157	28.023	34.854	28.041
220.000	-0.960	-0.966	28.201	34.862	28.040
240.000	-0.914	-0.921	28.249	34.863	28.039
260.000	-0.913	-0.921	28.264	34.869	28.044
280.000	-0.871	-0.880	28.308	34.867	28.040
300.000	-0.896	-0.905	28.296	34.869	28.043
320.000	-0.871	-0.881	28.330	34.873	28.045
340.000	-0.880	-0.891	28.330	34.871	28.044
360.000	-0.883	-0.894	28.338	34.873	28.046
380.000	-0.924	-0.936	28.312	34.872	28.047
400.000	-0.925	-0.938	28.320	34.873	28.047
420.000	-0.960	-0.973	28.298	34.871	28.047
440.000	-0.976	-0.990	28.295	34.873	28.049
460.000	-0.979	-0.993	28.302	34.873	28.050
480.000	-1.008	-1.023	28.286	34.872	28.050
500.000	-1.016	-1.032	28.287	34.872	28.050

CTD Station 117

4.000	-0.845	-0.845	28.123	34.760	27.953
6.000	-0.851	-0.851	28.117	34.758	27.951
8.000	-0.845	-0.845	28.125	34.761	27.953
10.000	-0.859	-0.859	28.108	34.752	27.947
12.000	-0.858	-0.858	28.119	34.764	27.957
14.000	-0.878	-0.878	28.096	34.755	27.950
16.000	-0.900	-0.900	28.082	34.759	27.954
18.000	-0.913	-0.913	28.068	34.754	27.950
20.000	-0.959	-0.960	28.027	34.750	27.949
22.000	-1.015	-1.016	27.986	34.758	27.958
24.000	-1.041	-1.042	27.966	34.759	27.959
26.000	-1.043	-1.044	27.965	34.758	27.959
28.000	-1.052	-1.053	27.958	34.758	27.960
30.000	-1.061	-1.062	27.952	34.759	27.960
32.000	-1.071	-1.072	27.943	34.757	27.959
34.000	-1.094	-1.095	27.925	34.759	27.961
36.000	-1.101	-1.102	27.920	34.758	27.961
38.000	-1.107	-1.108	27.916	34.759	27.962
40.000	-1.115	-1.116	27.911	34.759	27.963
42.000	-1.130	-1.131	27.898	34.758	27.962
44.000	-1.140	-1.141	27.891	34.758	27.963
46.000	-1.166	-1.167	27.869	34.757	27.963
48.000	-1.181	-1.182	27.858	34.757	27.964
50.000	-1.199	-1.200	27.842	34.756	27.963
52.000	-1.242	-1.243	27.808	34.757	27.966
56.000	-1.361	-1.362	27.705	34.751	27.965
60.000	-1.622	-1.623	27.494	34.759	27.980
64.000	-1.730	-1.731	27.408	34.764	27.987
68.000	-1.763	-1.764	27.384	34.767	27.991
72.000	-1.763	-1.764	27.388	34.769	27.992
76.000	-1.765	-1.767	27.388	34.770	27.993
80.000	-1.770	-1.772	27.387	34.770	27.994
84.000	-1.770	-1.772	27.389	34.771	27.994
88.000	-1.776	-1.778	27.386	34.771	27.995
92.000	-1.757	-1.759	27.402	34.768	27.992
96.000	-1.735	-1.737	27.427	34.776	27.997
100.000	-1.699	-1.701	27.465	34.783	28.002
120.000	-1.615	-1.618	27.552	34.794	28.008
140.000	-1.163	-1.167	27.967	34.829	28.021
160.000	-1.204	-1.208	27.944	34.832	28.025
180.000	-1.152	-1.157	28.006	34.844	28.033
200.000	-0.974	-0.980	28.172	34.851	28.032
220.000	-1.071	-1.077	28.096	34.848	28.033
240.000	-0.851	-0.858	28.304	34.865	28.038
260.000	-0.839	-0.847	28.326	34.868	28.040
280.000	-0.828	-0.837	28.342	34.865	28.037
300.000	-0.976	-0.985	28.224	34.863	28.042
320.000	-0.973	-0.983	28.236	34.863	28.041
340.000	-0.900	-0.911	28.314	34.872	28.046
360.000	-0.915	-0.926	28.309	34.871	28.046
380.000	-0.927	-0.939	28.309	34.872	28.047
400.000	-0.941	-0.954	28.306	34.872	28.047
420.000	-0.961	-0.974	28.298	34.872	28.048
440.000	-0.971	-0.985	28.299	34.872	28.049
460.000	-0.988	-1.002	28.293	34.872	28.049
480.000	-1.006	-1.021	28.287	34.872	28.050
500.000	-1.010	-1.026	28.293	34.873	28.051

CTD Station 118

2.000	-0.210	-0.210	28.230	34.183	27.457
4.000	-0.206	-0.206	28.241	34.191	27.464
6.000	-0.209	-0.209	28.251	34.208	27.477
8.000	-0.214	-0.214	28.253	34.215	27.483
10.000	-0.241	-0.241	28.269	34.264	27.524
12.000	-0.203	-0.203	28.346	34.323	27.570
14.000	-0.054	-0.054	28.592	34.482	27.691
16.000	0.069	0.068	28.790	34.605	27.783
18.000	0.146	0.145	28.888	34.647	27.813
20.000	0.163	0.162	28.910	34.656	27.820
22.000	0.278	0.277	29.050	34.710	27.857
24.000	0.262	0.261	29.035	34.705	27.854
26.000	0.122	0.121	28.933	34.729	27.881
28.000	0.048	0.047	28.874	34.733	27.888
30.000	0.014	0.013	28.863	34.755	27.908
32.000	0.001	0.000	28.857	34.762	27.914
34.000	0.006	0.005	28.863	34.762	27.914
36.000	0.059	0.058	28.920	34.777	27.923
38.000	0.078	0.077	28.944	34.786	27.930
40.000	0.148	0.147	29.010	34.793	27.931
42.000	0.123	0.121	28.993	34.797	27.936
44.000	0.102	0.100	28.977	34.798	27.938
46.000	0.098	0.096	28.978	34.803	27.942
48.000	0.121	0.119	29.003	34.809	27.945
50.000	0.188	0.186	29.075	34.827	27.957
52.000	0.218	0.216	29.101	34.827	27.954
56.000	0.283	0.281	29.173	34.844	27.965
60.000	0.428	0.426	29.310	34.859	27.969
64.000	0.500	0.497	29.386	34.875	27.977
68.000	0.616	0.613	29.498	34.888	27.980
72.000	0.774	0.771	29.649	34.904	27.983
76.000	0.936	0.933	29.806	34.923	27.988
80.000	0.924	0.920	29.800	34.927	27.992
84.000	0.915	0.911	29.792	34.923	27.990
88.000	0.919	0.915	29.799	34.927	27.992
92.000	1.032	1.028	29.904	34.933	27.989
96.000	1.071	1.067	29.950	34.946	27.997
100.000	1.077	1.072	29.956	34.945	27.996
120.000	0.940	0.935	29.841	34.938	28.000
140.000	0.763	0.757	29.688	34.926	28.002
160.000	0.705	0.698	29.646	34.926	28.005
180.000	0.569	0.561	29.535	34.922	28.010
200.000	0.460	0.452	29.444	34.914	28.011
220.000	0.322	0.313	29.329	34.907	28.013
240.000	0.306	0.296	29.327	34.909	28.016
260.000	0.339	0.328	29.367	34.913	28.017
280.000	0.292	0.281	29.334	34.911	28.018
300.000	0.229	0.217	29.286	34.907	28.019
320.000	0.222	0.209	29.291	34.909	28.021
340.000	0.172	0.158	29.256	34.908	28.023
360.000	0.146	0.132	29.237	34.901	28.019
380.000	0.112	0.097	29.219	34.903	28.022
400.000	0.086	0.070	29.206	34.904	28.024
420.000	0.061	0.044	29.193	34.903	28.025
440.000	-0.002	-0.019	29.144	34.898	28.024
460.000	-0.077	-0.095	29.086	34.894	28.025
480.000	-0.112	-0.131	29.064	34.892	28.025
500.000	-0.135	-0.155	29.053	34.892	28.026

CTD Station 120

2.000	-0.027	-0.027	28.392	34.193	27.456
4.000	-0.086	-0.086	28.350	34.203	27.467
6.000	-0.143	-0.143	28.310	34.212	27.477
8.000	-0.214	-0.214	28.324	34.310	27.560
10.000	-0.125	-0.125	28.516	34.464	27.680
12.000	-0.045	-0.045	28.634	34.530	27.729
14.000	0.007	0.007	28.707	34.566	27.755
16.000	0.080	0.079	28.802	34.608	27.786
18.000	0.193	0.192	28.949	34.674	27.833
20.000	0.202	0.201	28.968	34.689	27.844
22.000	0.241	0.240	29.010	34.699	27.850
24.000	0.309	0.308	29.079	34.711	27.856
26.000	-0.047	-0.048	28.779	34.716	27.879
28.000	-0.065	-0.066	28.772	34.726	27.888
30.000	0.009	0.008	28.846	34.739	27.895
32.000	0.149	0.148	29.007	34.792	27.930
34.000	0.223	0.222	29.067	34.786	27.921
36.000	0.244	0.243	29.075	34.772	27.909
38.000	0.278	0.277	29.113	34.782	27.915
40.000	0.382	0.380	29.245	34.838	27.954
42.000	0.123	0.121	28.994	34.798	27.936
44.000	0.278	0.276	29.141	34.815	27.942
46.000	0.391	0.389	29.255	34.837	27.953
48.000	0.476	0.474	29.329	34.837	27.947
50.000	0.537	0.535	29.398	34.857	27.960
52.000	0.731	0.729	29.582	34.877	27.965
56.000	0.708	0.706	29.563	34.876	27.965
60.000	0.515	0.513	29.439	34.930	28.020
64.000	0.850	0.847	29.755	34.962	28.025
68.000	0.974	0.971	29.836	34.925	27.987
72.000	0.991	0.988	29.853	34.925	27.986
76.000	1.031	1.028	29.894	34.931	27.988
80.000	0.911	0.907	29.782	34.918	27.986
84.000	0.889	0.885	29.764	34.917	27.986
88.000	0.845	0.841	29.728	34.917	27.989
92.000	0.776	0.772	29.644	34.883	27.966
96.000	0.581	0.577	29.493	34.904	27.996
100.000	0.672	0.668	29.576	34.908	27.993
120.000	0.831	0.826	29.739	34.928	27.999
140.000	0.667	0.661	29.602	34.923	28.005
160.000	0.625	0.618	29.575	34.923	28.008
180.000	0.409	0.402	29.388	34.910	28.010
200.000	0.269	0.261	29.268	34.898	28.009
220.000	0.298	0.289	29.311	34.910	28.017
240.000	0.240	0.230	29.269	34.908	28.019
260.000	0.220	0.210	29.261	34.909	28.020
280.000	0.188	0.177	29.242	34.908	28.022
300.000	0.145	0.133	29.212	34.905	28.021
320.000	0.112	0.099	29.193	34.905	28.024
340.000	0.069	0.056	29.164	34.904	28.025
360.000	0.007	-0.007	29.115	34.897	28.023
380.000	0.036	0.021	29.154	34.903	28.026
400.000	0.027	0.011	29.155	34.903	28.026
420.000	-0.006	-0.023	29.133	34.900	28.026
440.000	-0.049	-0.066	29.103	34.896	28.025
460.000	-0.093	-0.111	29.074	34.896	28.027
480.000	-0.125	-0.144	29.054	34.895	28.028
500.000	-0.154	-0.173	29.038	34.893	28.028

CTD Station 122

2.000	-0.192	-0.192	28.390	34.376	27.612
4.000	-0.154	-0.154	28.441	34.400	27.629
6.000	-0.166	-0.166	28.423	34.388	27.621
8.000	-0.107	-0.107	28.513	34.441	27.660
10.000	0.014	0.014	28.692	34.541	27.735
12.000	-0.018	-0.018	28.644	34.512	27.713
14.000	-0.067	-0.067	28.627	34.543	27.741
16.000	-0.046	-0.047	28.639	34.535	27.733
18.000	-0.004	-0.005	28.672	34.530	27.727
20.000	0.227	0.226	28.994	34.694	27.847
22.000	0.284	0.283	29.089	34.754	27.892
24.000	0.459	0.458	29.271	34.795	27.915
26.000	0.631	0.630	29.452	34.836	27.938
28.000	0.703	0.702	29.513	34.833	27.930
30.000	0.702	0.701	29.518	34.839	27.936
32.000	0.720	0.719	29.543	34.851	27.944
34.000	0.721	0.720	29.554	34.862	27.953
36.000	0.775	0.773	29.609	34.872	27.957
38.000	0.800	0.798	29.653	34.901	27.979
40.000	0.904	0.902	29.733	34.887	27.961
42.000	0.957	0.955	29.785	34.893	27.962
44.000	0.961	0.959	29.792	34.896	27.965
46.000	0.940	0.938	29.787	34.912	27.979
48.000	1.064	1.062	29.895	34.911	27.970
50.000	1.069	1.067	29.902	34.913	27.971
52.000	1.150	1.148	29.979	34.921	27.972
56.000	1.235	1.232	30.068	34.938	27.979
60.000	1.224	1.221	30.057	34.934	27.977
64.000	1.225	1.222	30.059	34.933	27.976
68.000	1.251	1.248	30.087	34.938	27.978
72.000	1.207	1.204	30.052	34.939	27.982
76.000	1.107	1.104	29.961	34.932	27.984
80.000	0.964	0.960	29.833	34.925	27.988
84.000	0.962	0.958	29.831	34.922	27.985
88.000	0.963	0.959	29.836	34.925	27.988
92.000	0.900	0.896	29.778	34.919	27.987
96.000	0.941	0.937	29.820	34.924	27.989
100.000	1.035	1.030	29.913	34.936	27.992
120.000	1.097	1.091	29.983	34.946	27.995
140.000	0.930	0.924	29.832	34.926	27.990
160.000	0.727	0.720	29.661	34.920	27.999
180.000	0.627	0.619	29.582	34.918	28.004
200.000	0.613	0.604	29.577	34.914	28.002
220.000	0.669	0.659	29.648	34.933	28.013
240.000	0.618	0.608	29.610	34.928	28.012
260.000	0.475	0.464	29.488	34.918	28.013
280.000	0.340	0.329	29.378	34.914	28.018
300.000	0.343	0.331	29.391	34.916	28.019
320.000	0.322	0.309	29.386	34.921	28.024
340.000	0.261	0.247	29.338	34.916	28.024
360.000	0.202	0.187	29.294	34.912	28.024
380.000	-0.010	-0.025	29.108	34.895	28.022
400.000	0.009	-0.007	29.138	34.901	28.026
420.000	0.000	-0.017	29.138	34.899	28.025
440.000	-0.053	-0.070	29.100	34.897	28.026
460.000	-0.105	-0.123	29.062	34.893	28.026
480.000	-0.132	-0.151	29.048	34.894	28.028
500.000	-0.161	-0.180	29.032	34.893	28.029

CTD Station 124

2.000	-0.851	-0.851	27.518	33.945	27.292
4.000	-0.856	-0.856	27.509	33.937	27.286
6.000	-0.846	-0.846	27.535	33.960	27.305
8.000	-0.843	-0.843	27.539	33.961	27.305
10.000	-0.842	-0.842	27.537	33.956	27.301
12.000	-0.813	-0.813	27.578	33.977	27.317
14.000	-0.812	-0.812	27.577	33.973	27.314
16.000	-0.812	-0.812	27.576	33.970	27.312
18.000	-0.874	-0.874	27.568	34.029	27.361
20.000	-0.951	-0.952	27.529	34.061	27.391
22.000	-0.926	-0.927	27.617	34.152	27.463
24.000	-0.859	-0.860	27.720	34.214	27.511
26.000	-0.832	-0.833	27.781	34.266	27.552
28.000	-0.661	-0.662	28.007	34.376	27.634
30.000	-0.549	-0.550	28.149	34.439	27.680
32.000	-0.371	-0.372	28.380	34.547	27.759
34.000	-0.329	-0.330	28.430	34.565	27.772
36.000	-0.312	-0.313	28.445	34.565	27.771
38.000	-0.047	-0.048	28.765	34.689	27.858
40.000	0.061	0.060	28.882	34.721	27.878
42.000	0.075	0.073	28.896	34.724	27.879
44.000	0.104	0.102	28.925	34.727	27.880
46.000	0.132	0.130	28.957	34.736	27.886
48.000	0.174	0.172	29.006	34.753	27.897
50.000	0.217	0.215	29.055	34.768	27.907
52.000	0.247	0.245	29.092	34.782	27.917
56.000	0.357	0.355	29.213	34.813	27.936
60.000	0.427	0.425	29.291	34.835	27.949
64.000	0.329	0.327	29.201	34.825	27.947
68.000	0.365	0.362	29.247	34.842	27.958
72.000	0.501	0.498	29.386	34.869	27.972
76.000	0.569	0.566	29.457	34.882	27.979
80.000	0.561	0.558	29.453	34.884	27.981
84.000	0.632	0.628	29.527	34.898	27.987
88.000	0.696	0.692	29.601	34.920	28.001
92.000	0.745	0.741	29.644	34.919	27.997
96.000	0.769	0.765	29.670	34.923	27.999
100.000	0.780	0.776	29.684	34.926	28.000
120.000	0.749	0.744	29.672	34.933	28.008
140.000	0.690	0.684	29.628	34.931	28.010
160.000	0.571	0.564	29.534	34.930	28.017
180.000	0.473	0.466	29.455	34.926	28.020
200.000	0.406	0.398	29.406	34.925	28.023
220.000	0.310	0.301	29.327	34.918	28.022
240.000	0.252	0.242	29.286	34.917	28.026
260.000	0.192	0.182	29.238	34.909	28.023
280.000	0.133	0.122	29.195	34.907	28.024
300.000	0.095	0.083	29.172	34.908	28.027
320.000	0.045	0.033	29.133	34.902	28.025
340.000	-0.020	-0.033	29.084	34.898	28.025
360.000	-0.072	-0.086	29.047	34.897	28.027
380.000	-0.085	-0.100	29.045	34.896	28.027
400.000	-0.117	-0.132	29.026	34.896	28.029
420.000	-0.147	-0.163	29.010	34.896	28.030
440.000	-0.174	-0.191	28.996	34.897	28.032
460.000	-0.193	-0.211	28.989	34.897	28.033
480.000	-0.212	-0.230	28.983	34.898	28.035
500.000	-0.255	-0.274	28.955	34.898	28.037

CTD Station 128

2.000	-1.367	-1.367	27.079	33.928	27.297
4.000	-1.423	-1.423	27.035	33.930	27.300
6.000	-1.360	-1.360	27.068	33.903	27.276
8.000	-1.340	-1.340	27.110	33.937	27.303
10.000	-0.868	-0.868	27.709	34.219	27.515
12.000	-0.780	-0.780	27.774	34.206	27.502
14.000	-0.717	-0.717	27.866	34.258	27.541
16.000	-0.632	-0.632	27.970	34.301	27.572
18.000	-0.622	-0.623	27.976	34.296	27.568
20.000	-0.611	-0.612	27.995	34.308	27.577
22.000	-0.555	-0.556	28.073	34.349	27.608
24.000	-0.329	-0.330	28.355	34.471	27.696
26.000	-0.113	-0.114	28.616	34.574	27.768
28.000	-0.033	-0.034	28.730	34.634	27.813
30.000	0.086	0.085	28.882	34.700	27.859
32.000	0.135	0.134	28.938	34.717	27.871
34.000	0.152	0.151	28.963	34.730	27.880
36.000	0.221	0.220	29.041	34.754	27.895
38.000	0.257	0.256	29.085	34.770	27.906
40.000	0.301	0.299	29.135	34.784	27.915
42.000	0.319	0.317	29.157	34.792	27.921
44.000	0.368	0.366	29.212	34.807	27.930
46.000	0.387	0.385	29.233	34.812	27.933
48.000	0.429	0.427	29.281	34.827	27.942
50.000	0.468	0.466	29.327	34.842	27.953
52.000	0.495	0.493	29.358	34.851	27.958
56.000	0.529	0.527	29.394	34.857	27.961
60.000	0.569	0.567	29.439	34.868	27.967
64.000	0.587	0.584	29.462	34.876	27.972
68.000	0.631	0.628	29.510	34.887	27.979
72.000	0.653	0.650	29.536	34.893	27.982
76.000	0.704	0.701	29.587	34.900	27.984
80.000	0.735	0.732	29.622	34.908	27.989
84.000	0.803	0.799	29.692	34.921	27.995
88.000	0.827	0.823	29.717	34.923	27.995
92.000	0.858	0.854	29.750	34.929	27.998
96.000	0.873	0.869	29.768	34.934	28.001
100.000	0.874	0.870	29.773	34.936	28.002
120.000	0.778	0.773	29.699	34.936	28.009
140.000	0.715	0.709	29.656	34.939	28.016
160.000	0.583	0.576	29.546	34.932	28.018
180.000	0.504	0.497	29.486	34.930	28.021
200.000	0.435	0.427	29.433	34.927	28.023
220.000	0.365	0.356	29.378	34.922	28.023
240.000	0.303	0.293	29.330	34.918	28.023
260.000	0.226	0.216	29.269	34.913	28.023
280.000	0.159	0.148	29.219	34.910	28.025
300.000	0.103	0.091	29.178	34.908	28.026
320.000	0.037	0.025	29.128	34.904	28.027
340.000	-0.045	-0.058	29.062	34.897	28.026
360.000	-0.079	-0.093	29.041	34.897	28.028
380.000	-0.116	-0.130	29.017	34.895	28.028
400.000	-0.135	-0.150	29.010	34.896	28.029
420.000	-0.147	-0.163	29.010	34.897	28.031
440.000	-0.167	-0.184	29.003	34.898	28.032
460.000	-0.215	-0.232	28.970	34.897	28.035
480.000	-0.231	-0.249	28.966	34.898	28.036
500.000	-0.282	-0.301	28.931	34.897	28.038



CTD Station 130

2.000	-1.406	-1.406	26.698	33.447	26.908
4.000	-1.573	-1.573	26.634	33.545	26.992
6.000	-1.564	-1.564	26.629	33.526	26.977
8.000	-1.500	-1.500	26.660	33.497	26.951
10.000	-1.567	-1.567	26.622	33.518	26.970
12.000	-1.659	-1.659	26.615	33.611	27.048
14.000	-1.696	-1.696	26.649	33.699	27.121
16.000	-1.748	-1.748	26.658	33.769	27.179
18.000	-1.755	-1.755	26.683	33.810	27.212
20.000	-1.730	-1.730	26.722	33.836	27.232
22.000	-1.727	-1.727	26.736	33.850	27.244
24.000	-1.737	-1.737	26.744	33.871	27.261
26.000	-1.724	-1.724	26.774	33.897	27.282
28.000	-1.710	-1.711	26.792	33.905	27.288
30.000	-1.703	-1.704	26.814	33.926	27.305
32.000	-1.692	-1.693	26.850	33.963	27.335
34.000	-1.691	-1.692	26.861	33.975	27.344
36.000	-1.694	-1.695	26.859	33.975	27.345
38.000	-1.707	-1.708	26.861	33.990	27.358
40.000	-1.688	-1.689	26.894	34.013	27.376
42.000	-1.632	-1.633	26.956	34.034	27.391
44.000	-1.629	-1.630	26.974	34.055	27.408
46.000	-1.632	-1.633	26.987	34.075	27.424
48.000	-1.552	-1.553	27.074	34.103	27.445
50.000	-1.524	-1.525	27.106	34.114	27.453
52.000	-1.476	-1.477	27.161	34.134	27.468
56.000	-1.377	-1.378	27.272	34.171	27.495
60.000	-1.202	-1.203	27.465	34.234	27.540
64.000	-1.020	-1.022	27.665	34.298	27.585
68.000	-0.851	-0.853	27.833	34.332	27.606
72.000	-0.723	-0.725	27.981	34.384	27.643
76.000	-0.554	-0.556	28.152	34.421	27.666
80.000	-0.427	-0.430	28.287	34.456	27.688
84.000	-0.333	-0.336	28.384	34.477	27.701
88.000	-0.187	-0.190	28.538	34.515	27.724
92.000	-0.068	-0.071	28.658	34.539	27.737
96.000	0.041	0.038	28.775	34.567	27.755
100.000	0.157	0.153	28.897	34.596	27.772
120.000	0.956	0.951	29.700	34.738	27.838
140.000	1.145	1.139	29.929	34.810	27.883
160.000	0.893	0.886	29.750	34.849	27.931
180.000	0.804	0.796	29.674	34.838	27.928
200.000	0.748	0.739	29.651	34.860	27.949
220.000	1.727	1.716	30.594	34.966	27.966
240.000	1.609	1.597	30.495	34.959	27.969
260.000	1.571	1.558	30.473	34.962	27.975
280.000	1.500	1.486	30.419	34.959	27.978
300.000	1.444	1.429	30.378	34.959	27.982
320.000	1.500	1.484	30.444	34.968	27.985
340.000	1.535	1.517	30.490	34.977	27.990
360.000	1.513	1.494	30.479	34.977	27.991
380.000	1.497	1.477	30.475	34.977	27.992
400.000	1.466	1.445	30.458	34.978	27.995
420.000	1.433	1.411	30.444	34.986	28.004
440.000	1.149	1.127	30.174	34.945	27.991
460.000	0.556	0.536	29.636	34.902	27.995
480.000	0.357	0.336	29.453	34.875	27.985
500.000	0.569	0.547	29.665	34.901	27.993

CTD Station 132

2.000	-1.732	-1.732	26.584	33.657	27.087
4.000	-1.721	-1.721	26.586	33.646	27.078
6.000	-1.711	-1.711	26.595	33.645	27.077
8.000	-1.714	-1.714	26.581	33.628	27.063
10.000	-1.709	-1.709	26.588	33.630	27.065
12.000	-1.710	-1.710	26.626	33.684	27.108
14.000	-1.724	-1.724	26.657	33.742	27.156
16.000	-1.731	-1.731	26.675	33.773	27.182
18.000	-1.741	-1.741	26.721	33.847	27.242
20.000	-1.742	-1.742	26.736	33.869	27.260
22.000	-1.738	-1.738	26.744	33.874	27.263
24.000	-1.729	-1.729	26.758	33.881	27.269
26.000	-1.727	-1.727	26.764	33.886	27.273
28.000	-1.702	-1.703	26.792	33.896	27.281
30.000	-1.699	-1.700	26.806	33.910	27.292
32.000	-1.694	-1.695	26.819	33.922	27.302
34.000	-1.697	-1.698	26.825	33.932	27.310
36.000	-1.679	-1.680	26.849	33.943	27.318
38.000	-1.670	-1.671	26.866	33.956	27.328
40.000	-1.678	-1.679	26.869	33.967	27.338
42.000	-1.694	-1.695	26.860	33.973	27.343
44.000	-1.701	-1.702	26.864	33.984	27.352
46.000	-1.720	-1.721	26.857	33.995	27.362
48.000	-1.720	-1.721	26.859	33.997	27.364
50.000	-1.706	-1.707	26.884	34.014	27.377
52.000	-1.699	-1.700	26.891	34.014	27.377
56.000	-1.656	-1.657	26.950	34.045	27.401
60.000	-1.651	-1.652	26.970	34.064	27.416
64.000	-1.647	-1.648	26.990	34.084	27.432
68.000	-1.579	-1.580	27.072	34.118	27.458
72.000	-1.543	-1.545	27.112	34.130	27.466
76.000	-1.380	-1.382	27.290	34.188	27.508
80.000	-1.169	-1.171	27.508	34.243	27.546
84.000	-1.122	-1.124	27.557	34.255	27.554
88.000	-1.193	-1.195	27.507	34.264	27.564
92.000	-1.125	-1.127	27.592	34.300	27.591
96.000	-1.105	-1.107	27.617	34.310	27.598
100.000	-1.060	-1.063	27.666	34.322	27.606
120.000	-0.580	-0.584	28.176	34.456	27.695
140.000	-0.047	-0.052	28.724	34.573	27.764
160.000	0.594	0.587	29.383	34.707	27.836
180.000	0.993	0.985	29.806	34.798	27.884
200.000	1.317	1.307	30.147	34.863	27.914
220.000	1.081	1.071	29.955	34.869	27.935
240.000	1.038	1.027	29.933	34.875	27.943
260.000	1.152	1.140	30.066	34.908	27.961
280.000	1.000	0.987	29.939	34.902	27.967
300.000	0.916	0.902	29.876	34.903	27.973
320.000	0.846	0.831	29.826	34.905	27.979
340.000	0.791	0.776	29.787	34.905	27.983

CTD Station 133

2.000	-1.617	-1.617	26.817	33.850	27.241
4.000	-1.618	-1.618	26.819	33.852	27.243
6.000	-1.632	-1.632	26.815	33.862	27.251
8.000	-1.656	-1.656	26.831	33.910	27.291
10.000	-1.653	-1.653	26.835	33.911	27.292
12.000	-1.676	-1.676	26.837	33.938	27.314
14.000	-1.673	-1.673	26.875	33.987	27.354
16.000	-1.547	-1.547	27.029	34.055	27.406
18.000	-1.483	-1.483	27.104	34.084	27.427
20.000	-1.482	-1.482	27.117	34.100	27.440
22.000	-1.426	-1.426	27.204	34.156	27.484
24.000	-1.358	-1.359	27.288	34.192	27.511
26.000	-1.337	-1.338	27.310	34.197	27.514
28.000	-1.285	-1.286	27.375	34.226	27.536
30.000	-1.125	-1.126	27.541	34.270	27.566
32.000	-0.933	-0.934	27.735	34.314	27.595
34.000	-0.711	-0.712	27.966	34.375	27.635
36.000	-0.539	-0.540	28.150	34.426	27.669
38.000	-0.266	-0.267	28.430	34.491	27.709
40.000	-0.102	-0.103	28.590	34.518	27.722
42.000	-0.007	-0.008	28.697	34.551	27.744
44.000	0.098	0.096	28.790	34.555	27.742
46.000	-0.015	-0.017	28.698	34.560	27.752
48.000	0.144	0.142	28.859	34.593	27.770
50.000	0.134	0.132	28.854	34.596	27.773
52.000	0.354	0.352	29.062	34.622	27.781
56.000	0.743	0.741	29.463	34.706	27.826
60.000	0.765	0.762	29.471	34.691	27.812
64.000	0.767	0.764	29.488	34.707	27.825
68.000	1.029	1.026	29.759	34.763	27.853
72.000	1.136	1.133	29.857	34.768	27.849
76.000	1.427	1.423	30.143	34.809	27.862
80.000	0.807	0.804	29.579	34.771	27.874
84.000	0.744	0.740	29.534	34.781	27.886
88.000	0.844	0.840	29.637	34.801	27.896
92.000	0.954	0.950	29.746	34.816	27.901
96.000	1.134	1.130	29.918	34.834	27.903
100.000	1.111	1.106	29.904	34.840	27.909
120.000	1.352	1.346	30.170	34.901	27.942
140.000	1.258	1.251	30.105	34.911	27.956
160.000	1.269	1.261	30.132	34.921	27.963
180.000	1.272	1.263	30.156	34.936	27.976
200.000	1.370	1.360	30.263	34.952	27.981
220.000	1.354	1.343	30.261	34.956	27.986
240.000	1.411	1.399	30.326	34.964	27.988
260.000	1.401	1.388	30.329	34.967	27.991
280.000	1.250	1.236	30.203	34.962	27.998
300.000	1.222	1.207	30.184	34.958	27.996
320.000	1.136	1.121	30.113	34.951	27.997
340.000	1.081	1.065	30.073	34.950	28.000
360.000	0.928	0.911	29.939	34.936	27.999
380.000	0.845	0.827	29.874	34.933	28.002
400.000	0.711	0.693	29.762	34.926	28.005
420.000	1.081	1.061	30.124	34.968	28.015
440.000	1.099	1.077	30.151	34.971	28.015
460.000	1.002	0.980	30.069	34.963	28.016
480.000	0.907	0.884	29.992	34.958	28.018
500.000	0.791	0.768	29.894	34.949	28.018

CTD Station 135

2.000	0.133	0.133	28.563	34.241	27.487
4.000	0.135	0.135	28.638	34.336	27.563
6.000	0.112	0.112	28.633	34.355	27.579
8.000	0.105	0.105	28.704	34.455	27.661
10.000	0.226	0.226	28.908	34.588	27.762
12.000	0.513	0.513	29.244	34.705	27.839
14.000	0.530	0.529	29.268	34.716	27.847
16.000	0.539	0.538	29.279	34.720	27.850
18.000	0.550	0.549	29.296	34.728	27.855
20.000	0.576	0.575	29.329	34.741	27.865
22.000	0.604	0.603	29.367	34.757	27.876
24.000	0.597	0.596	29.356	34.750	27.871
26.000	0.634	0.633	29.408	34.775	27.888
28.000	0.652	0.651	29.439	34.794	27.902
30.000	0.661	0.660	29.454	34.803	27.909
32.000	0.652	0.651	29.456	34.814	27.918
34.000	0.655	0.654	29.459	34.814	27.918
36.000	0.655	0.654	29.461	34.815	27.919
38.000	0.655	0.653	29.462	34.814	27.918
40.000	0.674	0.672	29.488	34.826	27.927
42.000	0.728	0.726	29.562	34.861	27.952
44.000	0.538	0.536	29.390	34.849	27.954
46.000	0.529	0.527	29.389	34.857	27.960
48.000	0.521	0.519	29.387	34.862	27.965
50.000	0.518	0.516	29.387	34.864	27.967
52.000	0.510	0.508	29.393	34.880	27.981
56.000	0.465	0.463	29.363	34.889	27.991
60.000	0.463	0.461	29.362	34.888	27.990
64.000	0.460	0.457	29.365	34.893	27.994
68.000	0.357	0.354	29.281	34.896	28.002
72.000	0.389	0.386	29.310	34.896	28.000
76.000	0.360	0.357	29.288	34.897	28.003
80.000	0.361	0.358	29.294	34.901	28.006
84.000	0.378	0.375	29.313	34.905	28.008
88.000	0.402	0.398	29.336	34.905	28.007
92.000	0.421	0.417	29.358	34.911	28.010
96.000	0.444	0.440	29.381	34.912	28.010
100.000	0.452	0.448	29.392	34.914	28.011
120.000	0.446	0.441	29.398	34.918	28.015
140.000	0.309	0.303	29.283	34.909	28.016
160.000	0.299	0.293	29.284	34.910	28.017
180.000	0.287	0.280	29.284	34.911	28.018
200.000	0.283	0.275	29.292	34.914	28.021
220.000	0.150	0.141	29.179	34.904	28.021
240.000	0.098	0.089	29.140	34.899	28.020
260.000	0.046	0.036	29.103	34.897	28.021
280.000	0.067	0.056	29.131	34.899	28.021
300.000	0.045	0.033	29.121	34.899	28.022
320.000	0.022	0.010	29.110	34.897	28.022
340.000	0.005	-0.008	29.105	34.898	28.024
360.000	0.061	0.047	29.168	34.906	28.027
380.000	0.038	0.023	29.155	34.903	28.026
400.000	0.009	-0.007	29.140	34.904	28.029
420.000	-0.025	-0.041	29.117	34.900	28.027
440.000	-0.079	-0.096	29.079	34.898	28.028
460.000	-0.119	-0.137	29.052	34.897	28.030
480.000	-0.109	-0.128	29.071	34.898	28.030
500.000	-0.178	-0.197	29.019	34.896	28.032

CTD Station 136

2.000	0.054	0.054	28.534	34.292	27.532
4.000	0.054	0.054	28.518	34.268	27.513
6.000	0.058	0.058	28.519	34.265	27.510
8.000	0.053	0.053	28.518	34.267	27.512
10.000	0.050	0.050	28.530	34.285	27.527
12.000	0.046	0.046	28.553	34.319	27.554
14.000	-0.015	-0.015	28.621	34.477	27.685
16.000	-0.075	-0.076	28.646	34.576	27.768
18.000	-0.105	-0.106	28.603	34.552	27.750
20.000	-0.128	-0.129	28.670	34.666	27.844
22.000	0.020	0.019	28.840	34.724	27.882
24.000	0.002	0.001	28.825	34.723	27.883
26.000	0.042	0.041	28.876	34.744	27.897
28.000	0.234	0.233	29.059	34.768	27.906
30.000	0.350	0.349	29.166	34.776	27.906
32.000	0.130	0.129	28.972	34.767	27.911
34.000	0.027	0.026	28.888	34.771	27.920
36.000	0.032	0.031	28.897	34.776	27.924
38.000	0.039	0.038	28.904	34.777	27.924
40.000	0.075	0.074	28.949	34.794	27.936
42.000	0.064	0.062	28.946	34.802	27.943
44.000	0.048	0.046	28.931	34.799	27.941
46.000	-0.001	-0.003	28.892	34.801	27.946
48.000	0.016	0.014	28.915	34.811	27.953
50.000	0.056	0.054	28.956	34.820	27.958
52.000	0.199	0.197	29.106	34.855	27.978
56.000	0.265	0.263	29.156	34.843	27.965
60.000	0.244	0.242	29.139	34.842	27.965
64.000	0.229	0.227	29.138	34.855	27.977
68.000	0.209	0.206	29.121	34.852	27.976
72.000	0.158	0.155	29.080	34.854	27.980
76.000	0.083	0.080	29.015	34.851	27.981
80.000	0.084	0.081	29.024	34.859	27.988
84.000	0.089	0.086	29.030	34.859	27.988
88.000	0.098	0.095	29.042	34.862	27.989
92.000	0.190	0.187	29.129	34.870	27.991
96.000	0.300	0.296	29.234	34.882	27.994
100.000	0.359	0.355	29.289	34.885	27.993
120.000	0.414	0.409	29.352	34.893	27.996
140.000	0.465	0.459	29.413	34.904	28.002
160.000	0.618	0.611	29.566	34.919	28.005
180.000	0.501	0.494	29.469	34.913	28.007
200.000	0.155	0.147	29.162	34.887	28.007
220.000	0.333	0.324	29.338	34.906	28.012
240.000	0.444	0.434	29.446	34.910	28.009
260.000	0.597	0.586	29.608	34.937	28.021
280.000	0.315	0.304	29.353	34.911	28.016
300.000	0.226	0.214	29.281	34.904	28.016
320.000	0.201	0.188	29.275	34.912	28.024
340.000	0.177	0.163	29.259	34.906	28.021
360.000	0.129	0.115	29.226	34.905	28.023
380.000	0.102	0.087	29.212	34.905	28.024
400.000	0.058	0.042	29.180	34.901	28.023
420.000	-0.006	-0.023	29.131	34.897	28.024
440.000	-0.023	-0.040	29.126	34.898	28.025
460.000	-0.056	-0.074	29.105	34.895	28.025
480.000	-0.095	-0.114	29.082	34.897	28.028
500.000	-0.096	-0.116	29.091	34.898	28.029

CTD Station 137

2.000	0.128	0.128	28.570	34.255	27.498
4.000	0.124	0.124	28.655	34.372	27.592
6.000	0.067	0.067	28.677	34.464	27.670
8.000	0.067	0.067	28.681	34.468	27.673
10.000	0.126	0.126	28.628	34.329	27.558
12.000	0.111	0.111	28.674	34.407	27.622
14.000	0.031	0.031	28.704	34.536	27.730
16.000	-0.076	-0.077	28.679	34.622	27.805
18.000	0.015	0.014	28.815	34.698	27.862
20.000	0.113	0.112	28.925	34.732	27.884
22.000	0.364	0.363	29.185	34.790	27.917
24.000	0.245	0.244	29.082	34.787	27.921
26.000	0.251	0.250	29.088	34.787	27.921
28.000	0.221	0.220	29.065	34.790	27.924
30.000	0.205	0.204	29.058	34.798	27.932
32.000	0.231	0.230	29.097	34.819	27.947
34.000	0.238	0.237	29.108	34.824	27.951
36.000	0.273	0.272	29.145	34.832	27.956
38.000	0.280	0.279	29.157	34.838	27.960
40.000	0.316	0.314	29.195	34.847	27.965
42.000	0.524	0.522	29.388	34.864	27.966
44.000	0.682	0.680	29.558	34.907	27.991
46.000	0.743	0.741	29.604	34.897	27.979
48.000	0.766	0.764	29.630	34.903	27.983
50.000	0.802	0.800	29.670	34.913	27.989
52.000	0.831	0.829	29.703	34.922	27.994
56.000	0.918	0.916	29.781	34.923	27.989
60.000	0.951	0.948	29.834	34.952	28.010
64.000	0.985	0.982	29.851	34.934	27.993
68.000	0.996	0.993	29.866	34.939	27.997
72.000	0.971	0.968	29.846	34.938	27.997
76.000	0.949	0.946	29.827	34.936	27.998
80.000	0.918	0.914	29.802	34.937	28.000
84.000	0.831	0.827	29.724	34.931	28.001
88.000	0.781	0.777	29.680	34.927	28.001
92.000	0.744	0.740	29.650	34.927	28.003
96.000	0.697	0.693	29.611	34.928	28.007
100.000	0.701	0.697	29.617	34.928	28.007
120.000	0.550	0.545	29.490	34.920	28.010
140.000	0.610	0.604	29.560	34.932	28.016
160.000	0.529	0.522	29.495	34.927	28.017
180.000	0.349	0.342	29.341	34.917	28.019
200.000	0.234	0.226	29.246	34.910	28.021
220.000	0.191	0.182	29.218	34.909	28.022
240.000	0.119	0.110	29.163	34.906	28.024
260.000	0.080	0.070	29.138	34.904	28.025
280.000	0.060	0.049	29.129	34.904	28.025
300.000	0.034	0.022	29.116	34.904	28.027
320.000	-0.009	-0.021	29.084	34.898	28.024
340.000	-0.050	-0.063	29.057	34.897	28.026
360.000	-0.103	-0.117	29.019	34.895	28.027
380.000	-0.141	-0.155	28.994	34.893	28.027
400.000	-0.165	-0.180	28.982	34.892	28.028
420.000	-0.196	-0.212	28.965	34.893	28.030
440.000	-0.204	-0.221	28.968	34.894	28.031
460.000	-0.223	-0.240	28.961	34.895	28.033
480.000	-0.278	-0.296	28.924	34.895	28.036
500.000	-0.318	-0.337	28.897	34.893	28.036

CTD Station 138

2.000	0.047	0.047	28.473	34.219	27.473
4.000	0.090	0.090	28.580	34.311	27.545
6.000	0.104	0.104	28.606	34.328	27.558
8.000	0.121	0.121	28.626	34.334	27.562
10.000	0.079	0.079	28.605	34.351	27.578
12.000	0.127	0.127	28.667	34.378	27.598
14.000	0.289	0.288	28.922	34.533	27.713
16.000	0.428	0.427	29.072	34.573	27.737
18.000	0.632	0.631	29.399	34.771	27.885
20.000	0.601	0.600	29.386	34.787	27.900
22.000	0.534	0.533	29.332	34.792	27.908
24.000	0.519	0.518	29.359	34.843	27.950
26.000	0.600	0.599	29.438	34.853	27.953
28.000	0.676	0.675	29.524	34.879	27.969
30.000	0.702	0.701	29.554	34.887	27.974
32.000	0.741	0.740	29.598	34.900	27.982
34.000	0.743	0.742	29.597	34.894	27.977
36.000	0.755	0.753	29.614	34.902	27.983
38.000	0.876	0.874	29.736	34.923	27.992
40.000	0.908	0.906	29.768	34.928	27.994
42.000	0.966	0.964	29.828	34.938	27.998
44.000	1.011	1.009	29.874	34.946	28.002
46.000	1.047	1.045	29.905	34.945	27.998
48.000	1.041	1.039	29.900	34.943	27.997
50.000	1.035	1.033	29.896	34.945	27.999
52.000	0.985	0.983	29.846	34.935	27.994
56.000	0.963	0.961	29.834	34.942	28.001
60.000	1.002	0.999	29.877	34.951	28.006
64.000	1.043	1.040	29.914	34.950	28.002
68.000	1.001	0.998	29.877	34.947	28.003
72.000	0.997	0.994	29.874	34.946	28.002
76.000	0.927	0.924	29.788	34.910	27.978
80.000	0.961	0.957	29.843	34.940	28.000
84.000	1.013	1.009	29.899	34.952	28.006
88.000	0.974	0.970	29.864	34.949	28.007
92.000	0.933	0.929	29.828	34.945	28.006
96.000	0.888	0.884	29.789	34.943	28.007
100.000	0.822	0.818	29.730	34.939	28.008
120.000	0.776	0.771	29.702	34.941	28.013
140.000	0.743	0.737	29.680	34.939	28.013
160.000	0.735	0.728	29.684	34.941	28.015
180.000	0.666	0.658	29.633	34.940	28.019
200.000	0.564	0.556	29.549	34.933	28.020
220.000	0.472	0.463	29.474	34.927	28.021
240.000	0.393	0.383	29.411	34.922	28.021
260.000	0.322	0.311	29.356	34.918	28.022
280.000	0.252	0.241	29.304	34.916	28.025
300.000	0.145	0.133	29.213	34.907	28.023
320.000	0.105	0.092	29.188	34.906	28.025
340.000	0.063	0.050	29.159	34.904	28.025
360.000	0.027	0.013	29.136	34.902	28.026
380.000	-0.007	-0.022	29.113	34.899	28.025
400.000	-0.052	-0.068	29.082	34.896	28.025
420.000	-0.083	-0.099	29.064	34.896	28.027
440.000	-0.118	-0.135	29.042	34.894	28.027
460.000	-0.137	-0.155	29.036	34.896	28.029
480.000	-0.154	-0.173	29.030	34.896	28.030
500.000	-0.186	-0.205	29.011	34.894	28.031

CTD Station 139

2.000	0.248	0.248	28.682	34.270	27.504
4.000	0.253	0.253	28.683	34.264	27.499
6.000	0.237	0.237	28.697	34.299	27.527
8.000	0.228	0.228	28.706	34.320	27.545
10.000	0.217	0.217	28.714	34.342	27.564
12.000	0.221	0.221	28.739	34.369	27.585
14.000	0.248	0.247	28.848	34.482	27.675
16.000	0.248	0.247	28.830	34.457	27.655
18.000	0.333	0.332	28.945	34.511	27.693
20.000	0.491	0.490	29.170	34.629	27.779
22.000	0.504	0.503	29.255	34.724	27.855
24.000	0.611	0.610	29.364	34.745	27.865
26.000	0.680	0.679	29.438	34.764	27.876
28.000	0.667	0.666	29.463	34.808	27.913
30.000	0.637	0.636	29.440	34.812	27.918
32.000	0.745	0.744	29.536	34.814	27.912
34.000	0.265	0.264	29.231	34.955	28.056
36.000	0.208	0.207	29.082	34.822	27.951
38.000	0.343	0.342	29.194	34.816	27.938
40.000	0.514	0.512	29.341	34.814	27.927
42.000	0.595	0.593	29.420	34.825	27.931
44.000	0.657	0.655	29.501	34.860	27.955
46.000	0.656	0.654	29.501	34.859	27.955
48.000	0.735	0.733	29.579	34.871	27.959
50.000	0.785	0.783	29.629	34.879	27.962
52.000	0.861	0.859	29.696	34.879	27.958
56.000	0.929	0.927	29.776	34.904	27.973
60.000	1.074	1.071	29.910	34.912	27.970
64.000	1.097	1.094	29.950	34.936	27.987
68.000	1.139	1.136	29.987	34.934	27.983
72.000	1.110	1.107	29.977	34.952	28.000
76.000	1.146	1.143	29.985	34.919	27.970
80.000	1.156	1.152	30.020	34.950	27.995
84.000	1.161	1.157	30.027	34.951	27.995
88.000	1.395	1.391	30.219	34.934	27.965
92.000	1.477	1.472	30.321	34.971	27.989
96.000	1.570	1.565	30.419	34.990	27.997
100.000	1.567	1.562	30.425	34.998	28.004
120.000	1.543	1.537	30.414	34.999	28.006
140.000	1.464	1.457	30.353	34.998	28.011
160.000	1.189	1.181	30.110	34.982	28.018
180.000	1.189	1.180	30.115	34.977	28.014
200.000	0.518	0.510	29.515	34.940	28.028
220.000	0.591	0.582	29.576	34.926	28.012
240.000	0.650	0.640	29.641	34.933	28.014
260.000	0.590	0.579	29.602	34.937	28.022
280.000	0.545	0.533	29.566	34.929	28.018
300.000	0.469	0.456	29.509	34.929	28.022
320.000	0.449	0.435	29.501	34.929	28.024
340.000	0.352	0.338	29.423	34.924	28.025
360.000	0.275	0.260	29.360	34.917	28.024
380.000	0.244	0.228	29.340	34.913	28.023
400.000	0.189	0.173	29.300	34.911	28.024
420.000	0.153	0.136	29.277	34.910	28.025
440.000	0.113	0.095	29.251	34.909	28.026
460.000	0.060	0.041	29.214	34.907	28.028
480.000	0.002	-0.017	29.170	34.904	28.028
500.000	-0.045	-0.065	29.134	34.897	28.025



CTD Station 140

2.000	0.364	0.364	28.825	34.328	27.544
4.000	0.354	0.354	28.821	34.334	27.549
6.000	0.349	0.349	28.820	34.337	27.552
8.000	0.351	0.351	28.833	34.350	27.562
10.000	0.338	0.338	28.966	34.538	27.715
12.000	0.335	0.335	29.015	34.605	27.769
14.000	0.341	0.340	29.070	34.669	27.820
16.000	0.317	0.316	29.100	34.735	27.875
18.000	0.319	0.318	29.106	34.739	27.878
20.000	0.374	0.373	29.177	34.770	27.900
22.000	0.327	0.326	29.147	34.781	27.911
24.000	-0.119	-0.120	28.758	34.770	27.927
26.000	-0.169	-0.170	28.771	34.844	27.989
28.000	-0.111	-0.112	28.824	34.847	27.989
30.000	-0.128	-0.129	28.812	34.850	27.992
32.000	-0.116	-0.117	28.824	34.851	27.992
34.000	-0.012	-0.013	28.927	34.867	28.000
36.000	0.009	0.008	28.944	34.865	27.997
38.000	-0.031	-0.032	28.911	34.866	28.000
40.000	-0.047	-0.048	28.894	34.861	27.996
42.000	-0.026	-0.028	28.918	34.868	28.001
44.000	-0.068	-0.070	28.870	34.849	27.988
46.000	-0.084	-0.086	28.875	34.873	28.009
48.000	-0.009	-0.011	28.942	34.876	28.007
50.000	0.029	0.027	28.980	34.882	28.010
52.000	0.034	0.032	28.985	34.882	28.009
56.000	0.032	0.030	28.989	34.887	28.014
60.000	0.142	0.140	29.094	34.898	28.016
64.000	0.073	0.071	29.024	34.880	28.006
68.000	0.007	0.005	28.971	34.884	28.013
72.000	-0.023	-0.026	28.942	34.876	28.008
76.000	-0.034	-0.037	28.936	34.880	28.011
80.000	0.002	-0.001	28.982	34.897	28.023
84.000	0.296	0.293	29.249	34.913	28.019
88.000	0.298	0.295	29.258	34.920	28.026
92.000	0.340	0.336	29.292	34.915	28.018
96.000	0.361	0.357	29.313	34.917	28.019
100.000	0.361	0.357	29.320	34.923	28.024
120.000	0.396	0.391	29.357	34.921	28.020
140.000	0.391	0.385	29.360	34.918	28.018
160.000	0.410	0.404	29.390	34.923	28.021
180.000	0.387	0.380	29.377	34.920	28.020
200.000	0.407	0.399	29.406	34.923	28.021
220.000	0.305	0.296	29.321	34.916	28.021
240.000	0.240	0.230	29.270	34.910	28.020
260.000	0.141	0.131	29.193	34.908	28.024
280.000	0.123	0.112	29.185	34.907	28.024
300.000	0.079	0.067	29.157	34.906	28.026
320.000	0.012	0.000	29.104	34.901	28.026
340.000	-0.024	-0.037	29.080	34.898	28.025
360.000	-0.104	-0.118	29.018	34.894	28.026
380.000	-0.137	-0.151	29.000	34.896	28.029
400.000	-0.201	-0.216	28.950	34.890	28.028
420.000	-0.266	-0.282	28.903	34.890	28.032
440.000	-0.298	-0.314	28.886	34.891	28.034
460.000	-0.371	-0.388	28.831	34.890	28.036
480.000	-0.407	-0.425	28.809	34.888	28.037
500.000	-0.435	-0.453	28.795	34.890	28.040

CTD Station 141

2.000	0.357	0.357	28.865	34.389	27.593
4.000	0.357	0.357	28.875	34.400	27.603
6.000	0.358	0.358	28.891	34.420	27.618
8.000	0.283	0.283	28.852	34.450	27.647
10.000	0.228	0.228	28.834	34.488	27.680
12.000	0.236	0.236	28.885	34.544	27.726
14.000	0.262	0.261	28.942	34.590	27.761
16.000	0.271	0.270	28.972	34.617	27.782
18.000	0.344	0.343	29.080	34.677	27.826
20.000	0.535	0.534	29.307	34.759	27.881
22.000	0.656	0.655	29.419	34.768	27.881
24.000	1.178	1.177	29.995	34.928	27.975
26.000	1.152	1.151	29.901	34.834	27.902
28.000	1.183	1.182	29.952	34.864	27.924
30.000	1.249	1.248	30.022	34.879	27.931
32.000	0.895	0.894	29.657	34.804	27.895
34.000	0.887	0.886	29.714	34.884	27.960
36.000	0.975	0.973	29.788	34.880	27.951
38.000	0.976	0.974	29.790	34.881	27.951
40.000	0.919	0.917	29.746	34.886	27.960
42.000	0.953	0.951	29.787	34.900	27.968
44.000	1.017	1.015	29.834	34.888	27.954
46.000	0.942	0.940	29.773	34.892	27.963
48.000	0.910	0.908	29.748	34.894	27.967
50.000	0.900	0.898	29.758	34.917	27.986
52.000	0.927	0.925	29.771	34.903	27.973
56.000	0.998	0.996	29.848	34.920	27.981
60.000	1.020	1.017	29.872	34.924	27.983
64.000	1.046	1.043	29.899	34.928	27.984
68.000	1.066	1.063	29.924	34.935	27.989
72.000	1.177	1.174	30.036	34.952	27.995
76.000	1.270	1.266	30.122	34.957	27.992
80.000	1.255	1.251	30.105	34.949	27.987
84.000	1.201	1.197	30.060	34.950	27.992
88.000	1.151	1.147	30.015	34.946	27.992
92.000	1.025	1.021	29.900	34.936	27.993
96.000	0.882	0.878	29.766	34.920	27.989
100.000	0.884	0.880	29.777	34.930	27.997
120.000	1.009	1.004	29.908	34.947	28.002
140.000	0.872	0.866	29.795	34.942	28.008
160.000	0.756	0.749	29.696	34.933	28.007
180.000	0.913	0.905	29.840	34.931	27.996
200.000	0.724	0.715	29.685	34.930	28.008
220.000	0.537	0.528	29.530	34.927	28.017
240.000	0.465	0.455	29.486	34.938	28.030
260.000	0.383	0.372	29.411	34.921	28.021
280.000	0.398	0.386	29.438	34.929	28.026
300.000	0.389	0.376	29.434	34.921	28.021
320.000	0.278	0.265	29.344	34.916	28.023
340.000	0.244	0.230	29.322	34.914	28.023
360.000	0.207	0.192	29.297	34.911	28.023
380.000	0.156	0.141	29.262	34.910	28.025
400.000	0.132	0.116	29.250	34.910	28.027
420.000	0.113	0.096	29.243	34.909	28.027
440.000	0.025	0.007	29.172	34.904	28.027
460.000	-0.008	-0.026	29.150	34.900	28.026
480.000	-0.045	-0.064	29.126	34.899	28.027
500.000	-0.097	-0.117	29.089	34.897	28.029

CTD Station 142

2.000	0.032	0.032	28.826	34.703	27.865
4.000	0.034	0.034	28.823	34.696	27.859
6.000	0.021	0.021	28.822	34.709	27.870
8.000	0.015	0.015	28.812	34.700	27.863
10.000	0.002	0.002	28.805	34.705	27.868
12.000	0.000	0.000	28.805	34.706	27.869
14.000	-0.014	-0.014	28.794	34.705	27.869
16.000	-0.043	-0.044	28.766	34.700	27.866
18.000	-0.080	-0.081	28.761	34.734	27.896
20.000	-0.178	-0.179	28.674	34.729	27.896
22.000	-0.208	-0.209	28.676	34.764	27.927
24.000	-0.115	-0.116	28.746	34.750	27.910
26.000	-0.146	-0.147	28.750	34.790	27.944
28.000	-0.331	-0.332	28.560	34.745	27.917
30.000	-0.146	-0.147	28.759	34.799	27.952
32.000	-0.093	-0.094	28.813	34.810	27.958
34.000	-0.082	-0.083	28.856	34.853	27.992
36.000	-0.159	-0.160	28.760	34.811	27.962
38.000	-0.714	-0.715	28.242	34.749	27.938
40.000	-1.186	-1.187	27.862	34.775	27.978
42.000	-1.280	-1.281	27.773	34.760	27.969
44.000	-1.157	-1.158	27.898	34.787	27.986
46.000	-0.868	-0.869	28.159	34.809	27.993
48.000	-0.928	-0.929	28.066	34.750	27.948
50.000	-0.966	-0.967	28.087	34.821	28.007
52.000	-0.495	-0.497	28.492	34.827	27.991
56.000	-0.541	-0.543	28.488	34.871	28.030
60.000	-0.670	-0.672	28.341	34.819	27.993
64.000	-0.693	-0.695	28.287	34.770	27.954
68.000	-0.627	-0.629	28.352	34.779	27.958
72.000	-0.558	-0.560	28.410	34.776	27.953
76.000	-0.539	-0.541	28.435	34.785	27.960
80.000	-0.429	-0.432	28.551	34.813	27.977
84.000	-0.116	-0.119	28.825	34.820	27.967
88.000	-0.208	-0.211	28.741	34.810	27.964
92.000	-0.268	-0.271	28.667	34.777	27.940
96.000	-0.274	-0.277	28.690	34.812	27.969
100.000	-0.295	-0.298	28.673	34.811	27.969
120.000	0.086	0.082	29.033	34.844	27.975
140.000	0.039	0.034	29.002	34.844	27.979
160.000	0.156	0.150	29.124	34.860	27.985
180.000	0.442	0.435	29.398	34.886	27.990
200.000	0.437	0.429	29.402	34.884	27.988
220.000	0.514	0.505	29.487	34.897	27.994
240.000	0.465	0.455	29.449	34.890	27.991
260.000	0.424	0.413	29.420	34.887	27.991
280.000	0.347	0.336	29.360	34.883	27.992
300.000	0.303	0.291	29.325	34.875	27.988
320.000	0.204	0.191	29.248	34.874	27.993
340.000	0.138	0.124	29.198	34.870	27.994
360.000	0.112	0.098	29.184	34.869	27.994
380.000	0.088	0.073	29.171	34.867	27.994
400.000	0.038	0.022	29.137	34.866	27.996
420.000	-0.061	-0.077	29.056	34.860	27.997
440.000	-0.133	-0.150	29.001	34.857	27.998
460.000	-0.185	-0.203	28.964	34.855	27.999
480.000	-0.211	-0.229	28.953	34.857	28.002
500.000	-0.249	-0.268	28.930	34.858	28.004

CTD Station 143

4.000	-0.779	-0.779	28.171	34.748	27.941
6.000	-0.873	-0.873	28.083	34.736	27.935
8.000	-0.896	-0.896	28.068	34.741	27.939
10.000	-0.962	-0.962	28.006	34.732	27.935
12.000	-0.977	-0.977	28.013	34.757	27.956
14.000	-0.975	-0.975	28.001	34.736	27.939
16.000	-0.969	-0.969	28.006	34.735	27.938
18.000	-1.023	-1.023	27.968	34.745	27.948
20.000	-1.023	-1.024	27.970	34.746	27.949
22.000	-0.965	-0.966	28.033	34.764	27.961
24.000	-0.948	-0.949	28.040	34.753	27.952
26.000	-0.930	-0.931	28.056	34.753	27.950
28.000	-0.938	-0.939	28.055	34.759	27.956
30.000	-0.936	-0.937	28.056	34.757	27.954
32.000	-0.897	-0.898	28.093	34.761	27.956
34.000	-0.905	-0.906	28.082	34.754	27.950
36.000	-0.963	-0.964	28.037	34.758	27.956
38.000	-1.087	-1.088	27.916	34.736	27.943
40.000	-1.172	-1.173	27.865	34.762	27.967
42.000	-1.233	-1.234	27.809	34.755	27.963
44.000	-1.235	-1.236	27.808	34.755	27.964
46.000	-1.239	-1.240	27.805	34.754	27.963
48.000	-1.247	-1.248	27.802	34.757	27.966
50.000	-1.248	-1.249	27.805	34.761	27.969
52.000	-1.291	-1.292	27.767	34.757	27.968
56.000	-1.304	-1.305	27.759	34.759	27.970
60.000	-1.348	-1.349	27.743	34.785	27.992
64.000	-1.341	-1.343	27.735	34.764	27.975
68.000	-1.309	-1.311	27.775	34.779	27.986
72.000	-1.214	-1.216	27.856	34.778	27.981
76.000	-1.144	-1.146	27.920	34.782	27.983
80.000	-1.089	-1.091	27.975	34.792	27.988
84.000	-0.941	-0.943	28.124	34.821	28.006
88.000	-0.735	-0.738	28.293	34.812	27.990
92.000	-0.591	-0.594	28.443	34.846	28.011
96.000	-0.141	-0.144	28.844	34.867	28.007
100.000	0.019	0.015	28.990	34.876	28.005
120.000	0.690	0.685	29.624	34.937	28.015
140.000	0.691	0.685	29.633	34.936	28.015
160.000	0.645	0.638	29.600	34.933	28.015
180.000	0.554	0.546	29.525	34.925	28.014
200.000	0.394	0.386	29.389	34.916	28.016
220.000	0.366	0.357	29.374	34.915	28.017
240.000	0.421	0.411	29.435	34.922	28.019
260.000	0.417	0.406	29.442	34.923	28.021
280.000	0.421	0.409	29.454	34.923	28.020
300.000	0.350	0.338	29.398	34.918	28.021
320.000	0.305	0.292	29.368	34.917	28.022
340.000	0.227	0.213	29.306	34.912	28.023
360.000	0.140	0.126	29.239	34.910	28.026
380.000	0.119	0.104	29.227	34.906	28.024
400.000	0.091	0.075	29.212	34.905	28.025
420.000	0.055	0.038	29.188	34.903	28.025
440.000	-0.001	-0.018	29.143	34.895	28.022
460.000	-0.073	-0.091	29.091	34.897	28.027
480.000	-0.113	-0.132	29.065	34.896	28.028
500.000	-0.153	-0.172	29.038	34.893	28.028

CTD Station 144

2.000	0.798	0.798	29.117	34.229	27.438
4.000	0.786	0.786	29.114	34.236	27.444
6.000	0.738	0.738	29.097	34.266	27.471
8.000	0.724	0.724	29.089	34.270	27.476
10.000	0.638	0.638	29.046	34.309	27.513
12.000	0.658	0.658	29.405	34.753	27.869
14.000	0.780	0.779	29.471	34.701	27.820
16.000	0.985	0.984	29.719	34.791	27.879
18.000	1.158	1.157	29.858	34.777	27.855
20.000	1.348	1.347	30.094	34.867	27.915
22.000	1.424	1.423	30.154	34.858	27.902
24.000	1.395	1.394	30.132	34.860	27.906
26.000	1.390	1.389	30.128	34.860	27.906
28.000	1.474	1.473	30.224	34.887	27.922
30.000	1.480	1.479	30.234	34.892	27.925
32.000	1.477	1.475	30.233	34.894	27.927
34.000	1.439	1.437	30.207	34.902	27.936
36.000	1.423	1.421	30.199	34.908	27.942
38.000	1.403	1.401	30.182	34.908	27.944
40.000	1.378	1.376	30.165	34.912	27.948
42.000	1.331	1.329	30.128	34.916	27.955
44.000	1.318	1.316	30.123	34.923	27.962
46.000	1.309	1.307	30.119	34.928	27.966
48.000	1.308	1.306	30.120	34.928	27.967
50.000	1.308	1.306	30.123	34.932	27.969
52.000	1.327	1.325	30.146	34.939	27.974
56.000	1.421	1.418	30.239	34.950	27.976
60.000	1.440	1.437	30.261	34.954	27.978
64.000	1.538	1.535	30.378	34.993	28.002
68.000	1.605	1.602	30.424	34.974	27.981
72.000	1.529	1.525	30.353	34.965	27.980
76.000	1.449	1.445	30.283	34.963	27.985
80.000	1.432	1.428	30.270	34.963	27.985
84.000	1.418	1.414	30.262	34.965	27.989
88.000	1.393	1.389	30.237	34.960	27.986
92.000	1.339	1.335	30.192	34.960	27.990
96.000	1.375	1.370	30.228	34.963	27.990
100.000	1.391	1.386	30.246	34.966	27.991
120.000	1.308	1.302	30.180	34.962	27.994
140.000	1.281	1.274	30.171	34.969	28.001
160.000	1.199	1.191	30.095	34.951	27.992
180.000	1.150	1.142	30.071	34.964	28.007
200.000	1.083	1.074	30.019	34.960	28.008
220.000	1.005	0.995	29.956	34.955	28.009
240.000	0.924	0.913	29.892	34.950	28.010
260.000	0.964	0.952	29.941	34.957	28.013
280.000	0.905	0.892	29.896	34.954	28.015
300.000	0.804	0.790	29.814	34.948	28.017
320.000	0.733	0.719	29.757	34.943	28.017
340.000	0.658	0.643	29.697	34.937	28.017
360.000	0.623	0.607	29.673	34.933	28.016
380.000	0.557	0.540	29.622	34.930	28.018
400.000	0.486	0.469	29.568	34.926	28.019
420.000	0.436	0.418	29.530	34.922	28.019
440.000	0.396	0.377	29.503	34.919	28.019
460.000	0.341	0.321	29.464	34.919	28.022
480.000	0.193	0.173	29.337	34.908	28.021
500.000	0.162	0.141	29.319	34.907	28.022

CTD Station 145

2.000	1.287	1.287	29.829	34.605	27.708
4.000	1.352	1.352	30.021	34.778	27.843
6.000	1.383	1.383	30.066	34.800	27.859
8.000	1.425	1.425	30.134	34.840	27.887
10.000	1.451	1.451	30.165	34.850	27.893
12.000	1.447	1.446	30.170	34.859	27.901
14.000	1.433	1.432	30.159	34.860	27.902
16.000	1.434	1.433	30.166	34.865	27.907
18.000	1.431	1.430	30.164	34.866	27.908
20.000	1.407	1.406	30.146	34.867	27.910
22.000	1.398	1.397	30.148	34.879	27.920
24.000	1.400	1.399	30.154	34.884	27.924
26.000	1.383	1.382	30.141	34.885	27.926
28.000	1.363	1.362	30.126	34.886	27.929
30.000	1.321	1.320	30.089	34.885	27.931
32.000	1.283	1.282	30.050	34.875	27.926
34.000	1.227	1.225	30.013	34.890	27.942
36.000	1.227	1.225	30.016	34.893	27.944
38.000	1.301	1.299	30.098	34.913	27.955
40.000	1.308	1.306	30.103	34.911	27.953
42.000	1.308	1.306	30.103	34.911	27.952
44.000	1.314	1.312	30.113	34.915	27.955
46.000	1.314	1.312	30.114	34.916	27.956
48.000	1.315	1.313	30.116	34.915	27.956
50.000	1.242	1.240	30.058	34.922	27.966
52.000	1.219	1.217	30.039	34.921	27.967
56.000	1.290	1.287	30.115	34.937	27.975
60.000	1.340	1.337	30.164	34.942	27.975
64.000	1.368	1.365	30.196	34.949	27.979
68.000	1.361	1.358	30.194	34.952	27.982
72.000	1.318	1.315	30.160	34.954	27.987
76.000	1.329	1.325	30.176	34.959	27.990
80.000	1.334	1.330	30.180	34.957	27.987
84.000	1.309	1.305	30.161	34.958	27.991
88.000	1.261	1.257	30.120	34.957	27.993
92.000	1.265	1.261	30.127	34.960	27.995
96.000	1.263	1.258	30.125	34.956	27.992
100.000	1.271	1.266	30.142	34.967	28.000
120.000	1.275	1.269	30.155	34.968	28.001
140.000	1.324	1.317	30.210	34.971	28.000
160.000	1.223	1.215	30.129	34.968	28.005
180.000	1.227	1.218	30.144	34.971	28.006
200.000	1.258	1.248	30.183	34.974	28.007
220.000	1.188	1.178	30.119	34.960	28.001
240.000	1.097	1.086	30.052	34.962	28.009
260.000	1.158	1.146	30.122	34.973	28.013
280.000	1.164	1.151	30.137	34.973	28.013
300.000	1.122	1.108	30.107	34.970	28.013
320.000	1.060	1.045	30.060	34.968	28.016
340.000	1.001	0.985	30.012	34.960	28.014
360.000	0.960	0.943	29.986	34.961	28.017
380.000	0.906	0.888	29.945	34.957	28.017
400.000	0.817	0.799	29.871	34.949	28.017
420.000	0.708	0.689	29.782	34.944	28.020
440.000	0.683	0.663	29.768	34.942	28.019
460.000	0.612	0.591	29.712	34.938	28.021
480.000	0.545	0.524	29.660	34.933	28.021
500.000	0.489	0.467	29.617	34.929	28.021

CTD Station 146

2.000	0.415	0.415	28.892	34.359	27.566
4.000	0.415	0.415	28.891	34.357	27.564
6.000	0.424	0.424	28.902	34.361	27.567
8.000	0.425	0.425	28.906	34.363	27.569
10.000	0.512	0.512	29.038	34.437	27.624
12.000	0.498	0.498	29.063	34.485	27.662
14.000	0.445	0.444	29.096	34.586	27.748
16.000	0.477	0.476	29.120	34.580	27.741
18.000	0.495	0.494	29.196	34.660	27.804
20.000	0.530	0.529	29.319	34.780	27.898
22.000	0.533	0.532	29.356	34.823	27.933
24.000	0.542	0.541	29.356	34.812	27.924
26.000	0.943	0.942	29.760	34.886	27.957
28.000	0.874	0.873	29.698	34.881	27.958
30.000	0.863	0.862	29.688	34.880	27.958
32.000	0.799	0.798	29.630	34.876	27.959
34.000	0.742	0.741	29.585	34.880	27.966
36.000	0.767	0.765	29.683	34.977	28.043
38.000	1.026	1.024	29.871	34.929	27.986
40.000	1.140	1.138	29.970	34.929	27.979
42.000	1.207	1.205	30.035	34.936	27.979
44.000	1.229	1.227	30.056	34.937	27.979
46.000	1.226	1.224	30.055	34.938	27.980
48.000	1.224	1.222	30.054	34.937	27.980
50.000	1.181	1.179	30.016	34.936	27.982
52.000	1.110	1.108	29.956	34.937	27.988
56.000	1.029	1.026	29.882	34.929	27.987
60.000	1.073	1.070	29.920	34.927	27.982
64.000	0.970	0.967	29.836	34.932	27.993
68.000	0.899	0.896	29.776	34.931	27.997
72.000	0.978	0.975	29.851	34.937	27.996
76.000	0.989	0.986	29.869	34.945	28.002
80.000	0.993	0.989	29.876	34.948	28.004
84.000	1.015	1.011	29.895	34.946	28.001
88.000	1.171	1.167	30.045	34.962	28.003
92.000	1.225	1.221	30.095	34.963	28.000
96.000	1.189	1.185	30.065	34.963	28.003
100.000	1.137	1.132	30.002	34.937	27.986
120.000	1.033	1.028	29.938	34.959	28.010
140.000	0.999	0.993	29.918	34.959	28.012
160.000	1.073	1.066	29.996	34.965	28.013
180.000	0.870	0.862	29.819	34.952	28.016
200.000	0.849	0.840	29.807	34.949	28.014
220.000	0.673	0.663	29.655	34.937	28.016
240.000	0.541	0.531	29.544	34.928	28.017
260.000	0.424	0.413	29.446	34.921	28.018
280.000	0.465	0.453	29.495	34.926	28.020
300.000	0.469	0.456	29.508	34.927	28.021
320.000	0.353	0.340	29.412	34.921	28.022
340.000	0.164	0.150	29.251	34.910	28.025
360.000	0.141	0.127	29.237	34.906	28.023
380.000	0.113	0.098	29.221	34.905	28.023
400.000	0.086	0.070	29.205	34.902	28.022
420.000	0.025	0.008	29.162	34.902	28.026
440.000	-0.004	-0.021	29.144	34.899	28.025
460.000	-0.083	-0.101	29.081	34.894	28.025
480.000	-0.135	-0.154	29.044	34.893	28.027
500.000	-0.133	-0.153	29.057	34.895	28.029

CTD Station 147

2.000	0.376	0.376	28.843	34.339	27.552
4.000	0.475	0.475	28.942	34.357	27.561
6.000	0.454	0.454	28.924	34.356	27.562
8.000	0.608	0.608	29.105	34.420	27.604
10.000	0.670	0.670	29.214	34.492	27.658
12.000	0.707	0.707	29.274	34.527	27.684
14.000	0.672	0.671	29.250	34.534	27.692
16.000	0.669	0.668	29.247	34.532	27.690
18.000	0.694	0.693	29.276	34.541	27.696
20.000	0.705	0.704	29.290	34.546	27.699
22.000	0.708	0.707	29.298	34.551	27.703
24.000	0.703	0.702	29.323	34.588	27.733
26.000	0.613	0.612	29.312	34.674	27.808
28.000	0.645	0.644	29.383	34.729	27.850
30.000	0.631	0.630	29.373	34.731	27.853
32.000	0.683	0.682	29.441	34.759	27.872
34.000	0.690	0.689	29.449	34.761	27.873
36.000	0.649	0.648	29.419	34.767	27.881
38.000	0.508	0.506	29.283	34.747	27.873
40.000	0.292	0.290	29.124	34.779	27.912
42.000	0.087	0.085	28.940	34.768	27.914
44.000	0.109	0.107	28.993	34.811	27.948
46.000	0.129	0.127	29.015	34.817	27.952
48.000	0.340	0.338	29.224	34.852	27.968
50.000	0.387	0.385	29.277	34.868	27.978
52.000	0.500	0.498	29.383	34.878	27.980
56.000	0.597	0.595	29.484	34.898	27.990
60.000	0.637	0.635	29.504	34.877	27.970
64.000	0.557	0.554	29.450	34.894	27.989
68.000	0.571	0.568	29.465	34.896	27.990
72.000	0.650	0.647	29.547	34.910	27.996
76.000	0.673	0.670	29.571	34.914	27.998
80.000	0.637	0.634	29.540	34.912	27.999
84.000	0.607	0.604	29.515	34.911	27.999
88.000	0.609	0.605	29.519	34.911	27.999
92.000	0.598	0.594	29.512	34.912	28.001
96.000	0.595	0.591	29.511	34.912	28.001
100.000	0.585	0.581	29.505	34.913	28.002
120.000	0.652	0.647	29.581	34.924	28.007
140.000	0.587	0.581	29.534	34.923	28.011
160.000	0.518	0.511	29.482	34.921	28.013
180.000	0.512	0.505	29.486	34.922	28.014
200.000	0.445	0.437	29.441	34.926	28.021
220.000	0.542	0.533	29.538	34.932	28.020
240.000	0.391	0.381	29.408	34.921	28.020
260.000	0.396	0.385	29.425	34.925	28.023
280.000	0.317	0.306	29.360	34.917	28.021
300.000	0.283	0.271	29.340	34.917	28.024
320.000	0.209	0.196	29.282	34.912	28.024
340.000	0.140	0.126	29.229	34.909	28.025
360.000	0.099	0.085	29.201	34.906	28.025
380.000	0.034	0.019	29.152	34.903	28.026
400.000	0.000	-0.016	29.130	34.901	28.026
420.000	-0.045	-0.061	29.098	34.898	28.026
440.000	-0.075	-0.092	29.080	34.895	28.026
460.000	-0.144	-0.162	29.028	34.893	28.028
480.000	-0.184	-0.202	29.003	34.893	28.029
500.000	-0.202	-0.221	28.998	34.895	28.032



CTD Station 148

2.000	-1.411	-1.411	26.839	0.018	0.000
4.000	-1.439	-1.439	26.848	0.018	0.000
6.000	-1.431	-1.431	26.847	0.018	0.000
8.000	-1.444	-1.444	26.848	0.018	0.000
10.000	-1.564	-1.564	26.857	0.018	0.000
12.000	-1.615	-1.614	26.861	0.018	0.000
14.000	-1.641	-1.640	26.861	0.018	0.000
16.000	-1.651	-1.650	26.873	0.018	0.000
18.000	-1.564	-1.563	27.046	0.018	0.000
20.000	-1.513	-1.512	27.119	0.018	0.000
22.000	-1.319	-1.318	27.308	0.018	0.000
24.000	-1.339	-1.338	27.301	0.018	0.000
26.000	-1.273	-1.272	27.377	0.018	0.000
28.000	-1.232	-1.231	27.427	0.018	0.000
30.000	-1.091	-1.090	27.632	0.018	0.000
32.000	-0.918	-0.917	27.777	0.018	0.000
34.000	-0.852	-0.851	27.852	0.018	0.000
36.000	-0.683	-0.682	28.030	0.018	0.000
38.000	-0.473	-0.472	28.231	0.018	0.000
40.000	-0.208	-0.207	28.474	0.018	0.000
42.000	-0.124	-0.123	28.550	0.018	0.000
44.000	0.053	0.054	28.734	0.018	0.000
46.000	0.217	0.218	28.910	0.018	0.000
48.000	0.291	0.292	28.974	0.018	0.000
50.000	0.260	0.261	28.980	0.018	0.000
52.000	0.280	0.281	29.005	0.018	0.000
56.000	0.387	0.388	29.134	0.018	0.000
60.000	0.400	0.402	29.158	0.018	0.000
64.000	0.426	0.428	29.192	0.018	0.000
68.000	0.488	0.490	29.260	0.018	0.000
72.000	0.419	0.421	29.214	0.018	0.000
76.000	0.290	0.292	29.121	0.018	0.000
80.000	0.616	0.618	29.450	0.018	0.000
84.000	0.700	0.702	29.521	0.018	0.000
88.000	1.135	1.137	29.921	0.018	0.000
92.000	0.595	0.597	29.453	0.018	0.000
96.000	0.576	0.578	29.428	0.018	0.000
100.000	0.546	0.548	29.403	0.018	0.000
120.000	0.554	0.557	29.439	0.018	0.000
140.000	0.737	0.740	29.634	0.018	0.000
160.000	0.887	0.890	29.807	0.018	0.000
180.000	0.975	0.978	29.894	0.018	0.000
200.000	0.965	0.969	29.894	0.018	0.000
220.000	0.953	0.957	29.899	0.018	0.000
240.000	1.171	1.175	30.123	0.018	0.000
260.000	0.926	0.931	29.900	0.018	0.000
280.000	1.072	1.077	30.042	0.018	0.000
300.000	0.947	0.952	29.936	0.018	0.000
320.000	0.928	0.934	29.921	0.018	0.000
340.000	0.983	0.989	29.994	0.018	0.000
360.000	0.815	0.822	29.846	0.018	0.000
380.000	0.918	0.924	29.954	0.018	0.000
400.000	0.765	0.772	29.818	0.018	0.000
420.000	0.795	0.803	29.858	0.018	0.000
440.000	0.734	0.742	29.808	0.018	0.000
460.000	0.629	0.638	29.710	0.018	0.000
480.000	0.572	0.581	29.678	0.018	0.000
500.000	0.471	0.481	29.594	0.018	0.000

CTD Station 149

2.000	-1.656	-1.656	26.718	33.757	27.167
4.000	-1.668	-1.668	26.734	33.791	27.194
6.000	-1.671	-1.671	26.725	33.780	27.186
8.000	-1.694	-1.694	26.730	33.813	27.213
10.000	-1.710	-1.710	26.763	33.876	27.264
12.000	-1.714	-1.714	26.791	33.917	27.298
14.000	-1.702	-1.702	26.809	33.928	27.307
16.000	-1.700	-1.700	26.819	33.938	27.315
18.000	-1.720	-1.720	26.814	33.953	27.328
20.000	-1.714	-1.714	26.822	33.957	27.330
22.000	-1.719	-1.719	26.833	33.975	27.346
24.000	-1.674	-1.674	26.884	33.995	27.360
26.000	-1.640	-1.641	26.931	34.020	27.380
28.000	-1.615	-1.616	26.961	34.031	27.388
30.000	-1.565	-1.566	27.008	34.038	27.392
32.000	-1.502	-1.503	27.074	34.055	27.405
34.000	-1.497	-1.498	27.084	34.062	27.410
36.000	-1.462	-1.463	27.125	34.078	27.422
38.000	-1.459	-1.460	27.134	34.086	27.428
40.000	-1.582	-1.583	27.036	34.090	27.435
42.000	-1.439	-1.440	27.158	34.094	27.434
44.000	-1.400	-1.401	27.216	34.127	27.460
46.000	-1.684	-1.685	26.977	34.120	27.463
48.000	-1.624	-1.625	27.046	34.147	27.482
50.000	-1.535	-1.536	27.118	34.143	27.476
52.000	-1.651	-1.652	27.044	34.173	27.505
56.000	-1.522	-1.523	27.191	34.226	27.544
60.000	-1.385	-1.386	27.331	34.260	27.567
64.000	-0.880	-0.882	27.826	34.358	27.628
68.000	-0.745	-0.747	27.985	34.417	27.671
72.000	-0.468	-0.470	28.240	34.444	27.681
76.000	-0.274	-0.277	28.447	34.499	27.716
80.000	-0.213	-0.216	28.510	34.512	27.723
84.000	0.135	0.132	28.855	34.575	27.756
88.000	0.299	0.296	29.022	34.608	27.774
92.000	0.626	0.622	29.351	34.671	27.805
96.000	0.749	0.745	29.462	34.674	27.800
100.000	0.866	0.862	29.582	34.697	27.811
120.000	1.759	1.753	30.504	34.874	27.890
140.000	1.277	1.270	30.076	34.852	27.907
160.000	1.122	1.115	29.961	34.865	27.928
180.000	1.010	1.002	29.885	34.880	27.949
200.000	0.900	0.891	29.798	34.880	27.956
220.000	0.994	0.984	29.909	34.906	27.971
240.000	0.759	0.748	29.702	34.889	27.972
260.000	0.846	0.834	29.793	34.897	27.973
280.000	0.631	0.619	29.605	34.883	27.975
300.000	1.295	1.280	30.245	34.954	27.989
320.000	1.530	1.514	30.480	34.981	27.993
340.000	1.469	1.452	30.434	34.979	27.996
360.000	1.408	1.390	30.386	34.974	27.997
380.000	1.397	1.378	30.387	34.976	27.998
400.000	1.566	1.545	30.560	34.997	28.003
420.000	1.577	1.555	30.581	35.000	28.005
440.000	1.500	1.477	30.517	34.993	28.005
460.000	1.517	1.493	30.545	34.998	28.007
480.000	1.465	1.440	30.506	34.994	28.008
500.000	1.364	1.338	30.421	34.987	28.010

CTD Station 150

2.000	-0.213	-0.213	28.052	33.949	27.268
4.000	-0.150	-0.150	28.244	34.133	27.414
6.000	-0.062	-0.062	28.325	34.141	27.416
8.000	-0.094	-0.094	28.259	34.088	27.375
10.000	0.042	0.042	28.446	34.183	27.444
12.000	0.140	0.140	28.626	34.310	27.542
14.000	0.193	0.192	28.716	34.369	27.586
16.000	0.153	0.152	28.628	34.297	27.530
18.000	0.203	0.202	28.716	34.356	27.575
20.000	0.251	0.250	28.795	34.404	27.612
22.000	0.265	0.264	28.903	34.530	27.712
24.000	0.272	0.271	28.931	34.558	27.734
26.000	0.346	0.345	29.034	34.609	27.771
28.000	0.370	0.369	29.068	34.626	27.784
30.000	0.391	0.390	29.101	34.645	27.798
32.000	0.394	0.393	29.110	34.651	27.803
34.000	0.443	0.442	29.181	34.688	27.830
36.000	0.473	0.472	29.232	34.720	27.854
38.000	0.481	0.479	29.258	34.744	27.872
40.000	0.494	0.492	29.281	34.758	27.883
42.000	0.485	0.483	29.278	34.763	27.888
44.000	0.502	0.500	29.303	34.776	27.897
46.000	0.533	0.531	29.340	34.788	27.905
48.000	0.623	0.621	29.447	34.826	27.930
50.000	0.693	0.691	29.512	34.830	27.929
52.000	0.703	0.701	29.528	34.839	27.935
56.000	0.763	0.761	29.593	34.853	27.943
60.000	0.756	0.753	29.596	34.863	27.952
64.000	0.803	0.800	29.647	34.873	27.956
68.000	0.816	0.813	29.665	34.880	27.961
72.000	0.853	0.850	29.702	34.884	27.962
76.000	0.723	0.720	29.589	34.881	27.968
80.000	0.633	0.630	29.511	34.878	27.971
84.000	0.720	0.716	29.599	34.892	27.977
88.000	0.829	0.825	29.704	34.904	27.980
92.000	0.758	0.754	29.641	34.900	27.981
96.000	0.742	0.738	29.634	34.907	27.988
100.000	0.836	0.832	29.726	34.918	27.991
120.000	0.887	0.882	29.780	34.918	27.987
140.000	0.975	0.969	29.876	34.933	27.993
160.000	0.747	0.740	29.677	34.918	27.996
180.000	1.010	1.002	29.936	34.946	28.002
200.000	1.012	1.003	29.958	34.960	28.013
220.000	0.955	0.945	29.906	34.946	28.005
240.000	0.897	0.886	29.864	34.945	28.008
260.000	0.863	0.851	29.844	34.945	28.010
280.000	0.812	0.799	29.807	34.943	28.012
300.000	0.728	0.715	29.744	34.944	28.018
320.000	0.695	0.681	29.719	34.936	28.014
340.000	0.638	0.623	29.677	34.934	28.016
360.000	0.567	0.551	29.622	34.931	28.018
380.000	0.488	0.472	29.558	34.924	28.017
400.000	0.238	0.221	29.338	34.906	28.017
420.000	0.183	0.166	29.296	34.901	28.016
440.000	0.223	0.205	29.349	34.913	28.023
460.000	0.180	0.161	29.314	34.904	28.019
480.000	0.119	0.099	29.270	34.903	28.022
500.000	0.072	0.052	29.235	34.898	28.020

CTD Station 151

2.000	0.554	0.554	29.202	34.610	27.760
4.000	0.555	0.555	29.206	34.613	27.763
6.000	0.549	0.549	29.236	34.658	27.799
8.000	0.557	0.557	29.278	34.703	27.835
10.000	0.554	0.554	29.274	34.699	27.832
12.000	0.586	0.586	29.315	34.716	27.844
14.000	0.558	0.557	29.275	34.695	27.828
16.000	0.545	0.544	29.305	34.747	27.871
18.000	0.535	0.534	29.299	34.750	27.874
20.000	0.460	0.459	29.244	34.761	27.887
22.000	0.438	0.437	29.230	34.765	27.892
24.000	0.277	0.276	29.089	34.761	27.898
26.000	0.342	0.341	29.156	34.775	27.905
28.000	0.470	0.469	29.302	34.821	27.935
30.000	0.634	0.633	29.434	34.806	27.913
32.000	0.573	0.572	29.401	34.832	27.938
34.000	0.380	0.379	29.214	34.803	27.926
36.000	0.540	0.539	29.379	34.837	27.944
38.000	0.557	0.555	29.402	34.848	27.951
40.000	0.569	0.567	29.420	34.856	27.957
42.000	0.763	0.761	29.605	34.877	27.962
44.000	0.758	0.756	29.605	34.881	27.966
46.000	0.728	0.726	29.582	34.885	27.971
48.000	0.815	0.813	29.672	34.902	27.979
50.000	0.938	0.936	29.792	34.919	27.984
52.000	0.953	0.951	29.803	34.914	27.980
56.000	0.995	0.993	29.851	34.927	27.988
60.000	1.000	0.997	29.864	34.936	27.994
64.000	1.010	1.007	29.878	34.941	27.997
68.000	1.014	1.011	29.885	34.943	27.999
72.000	1.018	1.015	29.890	34.942	27.998
76.000	1.020	1.017	29.895	34.944	27.999
80.000	1.023	1.019	29.907	34.953	28.007
84.000	1.016	1.012	29.898	34.947	28.002
88.000	1.007	1.003	29.891	34.947	28.003
92.000	1.003	0.999	29.890	34.948	28.004
96.000	1.003	0.999	29.894	34.950	28.005
100.000	1.000	0.995	29.894	34.951	28.006
120.000	0.988	0.983	29.892	34.951	28.007
140.000	0.943	0.937	29.864	34.952	28.011
160.000	0.825	0.818	29.765	34.945	28.013
180.000	0.715	0.707	29.677	34.942	28.017
200.000	0.647	0.638	29.624	34.937	28.018
220.000	0.611	0.602	29.600	34.935	28.019
240.000	0.519	0.509	29.524	34.928	28.018
260.000	0.484	0.473	29.503	34.928	28.021
280.000	0.463	0.451	29.494	34.928	28.022
300.000	0.379	0.367	29.426	34.921	28.022
320.000	0.292	0.279	29.356	34.916	28.022
340.000	0.261	0.247	29.338	34.916	28.024
360.000	0.208	0.193	29.294	34.905	28.019
380.000	0.147	0.132	29.252	34.908	28.024
400.000	0.079	0.063	29.200	34.904	28.024
420.000	-0.005	-0.022	29.132	34.898	28.024
440.000	-0.054	-0.071	29.097	34.894	28.024
460.000	-0.071	-0.089	29.092	34.895	28.025
480.000	-0.091	-0.110	29.082	34.893	28.025
500.000	-0.120	-0.140	29.068	34.894	28.027

CTD Station 152

2.000	0.510	0.510	28.850	34.199	27.432
4.000	0.576	0.576	28.957	34.264	27.480
6.000	0.610	0.610	28.980	34.255	27.471
8.000	0.701	0.701	29.242	34.495	27.658
10.000	0.720	0.720	29.330	34.587	27.731
12.000	0.710	0.710	29.304	34.563	27.713
14.000	0.682	0.681	29.240	34.510	27.671
16.000	0.690	0.689	29.359	34.655	27.788
18.000	0.613	0.612	29.340	34.715	27.841
20.000	0.613	0.612	29.395	34.786	27.898
22.000	0.724	0.723	29.518	34.820	27.919
24.000	0.725	0.724	29.528	34.831	27.928
26.000	0.908	0.907	29.712	34.864	27.942
28.000	0.997	0.996	29.795	34.870	27.941
30.000	1.127	1.126	29.925	34.891	27.949
32.000	1.166	1.165	29.963	34.894	27.949
34.000	1.179	1.177	29.979	34.900	27.953
36.000	1.094	1.092	29.905	34.899	27.958
38.000	1.077	1.075	29.893	34.900	27.960
40.000	0.972	0.970	29.794	34.889	27.958
42.000	0.544	0.542	29.397	34.853	27.956
44.000	0.329	0.327	29.210	34.849	27.967
46.000	0.284	0.282	29.160	34.832	27.955
48.000	0.090	0.088	28.992	34.830	27.964
50.000	0.075	0.073	28.981	34.830	27.965
52.000	0.079	0.077	28.984	34.829	27.964
56.000	0.830	0.828	29.691	34.905	27.981
60.000	0.974	0.971	29.814	34.901	27.967
64.000	1.232	1.229	30.077	34.948	27.988
68.000	1.199	1.196	30.049	34.948	27.990
72.000	1.152	1.149	30.004	34.939	27.986
76.000	1.115	1.112	29.976	34.942	27.991
80.000	1.230	1.226	30.090	34.958	27.996
84.000	1.271	1.267	30.129	34.959	27.994
88.000	1.129	1.125	30.000	34.950	27.997
92.000	1.156	1.152	30.032	34.959	28.002
96.000	1.202	1.198	30.073	34.958	27.998
100.000	1.221	1.216	30.094	34.961	27.999
120.000	0.860	0.855	29.758	34.920	27.991
140.000	0.592	0.586	29.524	34.905	27.996
160.000	0.804	0.797	29.746	34.943	28.013
180.000	0.741	0.733	29.693	34.934	28.009
200.000	0.692	0.683	29.664	34.939	28.016
220.000	0.692	0.682	29.673	34.938	28.016
240.000	0.622	0.612	29.618	34.935	28.018
260.000	0.601	0.590	29.608	34.933	28.017
280.000	0.571	0.559	29.591	34.933	28.019
300.000	0.533	0.520	29.565	34.930	28.019
320.000	0.489	0.475	29.535	34.928	28.020
340.000	0.450	0.436	29.507	34.924	28.019
360.000	0.379	0.364	29.453	34.922	28.022
380.000	0.305	0.289	29.395	34.917	28.022
400.000	0.265	0.248	29.368	34.914	28.023
420.000	0.188	0.171	29.307	34.909	28.023
440.000	0.162	0.144	29.292	34.907	28.022
460.000	0.110	0.091	29.254	34.904	28.023
480.000	0.072	0.053	29.230	34.903	28.024
500.000	0.017	-0.003	29.190	34.901	28.025

CTD Station 153

2.000	0.654	0.654	29.014	34.254	27.467
4.000	0.668	0.668	29.054	34.289	27.495
6.000	0.715	0.715	29.114	34.313	27.511
8.000	0.672	0.672	29.104	34.347	27.541
10.000	0.640	0.640	29.150	34.442	27.619
12.000	0.857	0.856	29.480	34.627	27.755
14.000	0.975	0.974	29.622	34.678	27.788
16.000	0.859	0.858	29.550	34.714	27.825
18.000	0.916	0.915	29.637	34.762	27.859
20.000	0.860	0.859	29.591	34.764	27.865
22.000	0.797	0.796	29.549	34.778	27.880
24.000	0.658	0.657	29.408	34.750	27.866
26.000	0.437	0.436	29.207	34.734	27.867
28.000	0.134	0.133	28.983	34.780	27.921
30.000	0.267	0.266	29.077	34.753	27.892
32.000	0.138	0.137	29.014	34.814	27.949
34.000	0.105	0.104	28.993	34.822	27.957
36.000	0.038	0.037	28.918	34.798	27.941
38.000	0.141	0.140	29.038	34.838	27.968
40.000	0.100	0.099	28.927	34.737	27.889
42.000	-0.196	-0.197	28.732	34.812	27.965
44.000	-0.098	-0.100	28.843	34.848	27.989
46.000	-0.116	-0.118	28.811	34.824	27.970
48.000	-0.260	-0.262	28.666	34.794	27.953
50.000	-0.216	-0.218	28.736	34.836	27.985
52.000	-0.115	-0.117	28.820	34.832	27.977
56.000	0.414	0.412	29.307	34.873	27.981
60.000	0.850	0.847	29.702	34.895	27.971
64.000	0.863	0.860	29.739	34.926	27.995
68.000	0.901	0.898	29.771	34.922	27.989
72.000	0.664	0.661	29.556	34.907	27.993
76.000	0.685	0.682	29.581	34.913	27.996
80.000	0.426	0.423	29.333	34.878	27.984
84.000	0.247	0.244	29.181	34.880	27.996
88.000	0.279	0.276	29.246	34.926	28.031
92.000	0.519	0.515	29.440	34.907	28.001
96.000	0.526	0.522	29.444	34.902	27.997
100.000	0.572	0.568	29.494	34.912	28.003
120.000	1.091	1.085	29.983	34.952	28.001
140.000	1.063	1.057	29.979	34.966	28.014
160.000	0.988	0.981	29.920	34.961	28.015
180.000	0.914	0.906	29.859	34.955	28.015
200.000	0.760	0.751	29.726	34.944	28.016
220.000	0.614	0.605	29.603	34.936	28.019
240.000	0.530	0.520	29.533	34.927	28.017
260.000	0.488	0.477	29.505	34.926	28.019
280.000	0.451	0.439	29.481	34.925	28.020
300.000	0.438	0.425	29.479	34.924	28.020
320.000	0.375	0.362	29.430	34.920	28.021
340.000	0.389	0.375	29.453	34.921	28.021
360.000	0.370	0.355	29.444	34.920	28.021
380.000	0.350	0.334	29.436	34.920	28.022
400.000	0.325	0.308	29.423	34.919	28.023
420.000	0.229	0.212	29.343	34.910	28.021
440.000	0.169	0.151	29.298	34.908	28.023
460.000	0.132	0.113	29.274	34.906	28.023
480.000	0.077	0.057	29.235	34.904	28.025
500.000	0.021	0.001	29.193	34.901	28.025

CTD Station 154

2.000	1.037	1.037	29.755	34.789	27.873
4.000	1.041	1.041	29.754	34.782	27.868
6.000	0.979	0.979	29.632	34.691	27.799
8.000	0.720	0.720	29.474	34.776	27.884
10.000	0.677	0.677	29.444	34.784	27.892
12.000	0.496	0.496	29.277	34.768	27.891
14.000	0.346	0.345	29.134	34.748	27.884
16.000	0.310	0.309	29.128	34.780	27.912
18.000	0.277	0.276	29.129	34.817	27.943
20.000	0.108	0.107	28.932	34.747	27.896
22.000	0.227	0.226	29.093	34.824	27.951
24.000	0.310	0.309	29.141	34.792	27.921
26.000	0.252	0.251	29.110	34.816	27.944
28.000	0.098	0.097	28.926	34.745	27.895
30.000	0.232	0.231	29.087	34.806	27.937
32.000	-0.031	-0.032	28.856	34.796	27.943
34.000	-0.132	-0.133	28.757	34.778	27.934
36.000	-0.227	-0.228	28.688	34.793	27.951
38.000	-0.332	-0.333	28.598	34.791	27.955
40.000	-0.361	-0.362	28.566	34.780	27.947
42.000	-0.413	-0.414	28.535	34.797	27.963
44.000	-0.419	-0.420	28.532	34.799	27.965
46.000	-0.420	-0.421	28.536	34.804	27.969
48.000	-0.408	-0.410	28.548	34.805	27.969
50.000	-0.106	-0.108	28.812	34.813	27.961
52.000	0.375	0.373	29.316	34.931	28.029
56.000	0.493	0.491	29.382	34.882	27.983
60.000	0.602	0.600	29.490	34.897	27.988
64.000	0.429	0.426	29.306	34.850	27.961
68.000	0.350	0.347	29.272	34.893	28.000
72.000	0.319	0.316	29.271	34.924	28.027
76.000	0.315	0.312	29.241	34.886	27.997
80.000	0.360	0.357	29.287	34.893	28.000
84.000	0.321	0.318	29.257	34.897	28.005
88.000	0.303	0.300	29.238	34.889	28.000
92.000	0.294	0.290	29.228	34.884	27.996
96.000	0.415	0.411	29.332	34.880	27.986
100.000	0.470	0.466	29.410	34.919	28.014
120.000	0.624	0.619	29.552	34.918	28.004
140.000	0.795	0.789	29.726	34.940	28.011
160.000	0.827	0.820	29.768	34.946	28.014
180.000	0.720	0.712	29.677	34.936	28.012
200.000	0.784	0.775	29.744	34.940	28.011
220.000	0.797	0.787	29.765	34.941	28.011
240.000	0.805	0.794	29.790	34.951	28.019
260.000	0.779	0.767	29.774	34.949	28.019
280.000	0.731	0.719	29.740	34.946	28.020
300.000	0.654	0.641	29.678	34.941	28.020
320.000	0.550	0.536	29.592	34.934	28.021
340.000	0.437	0.423	29.496	34.924	28.021
360.000	0.451	0.436	29.519	34.926	28.021
380.000	0.342	0.326	29.422	34.910	28.015
400.000	0.267	0.250	29.368	34.912	28.021
420.000	0.269	0.251	29.379	34.913	28.021
440.000	0.189	0.171	29.316	34.908	28.022
460.000	0.153	0.134	29.291	34.905	28.021
480.000	0.134	0.114	29.285	34.905	28.022
500.000	0.062	0.042	29.230	34.904	28.025

CTD Station 155

2.000	0.571	0.571	28.908	34.207	27.435
4.000	0.562	0.562	28.904	34.211	27.438
6.000	0.563	0.563	28.904	34.208	27.436
8.000	0.541	0.541	28.874	34.192	27.424
10.000	0.543	0.543	28.880	34.197	27.428
12.000	0.666	0.666	29.047	34.277	27.485
14.000	0.965	0.964	29.461	34.481	27.631
16.000	1.033	1.032	29.687	34.696	27.799
18.000	1.173	1.172	29.897	34.811	27.882
20.000	1.148	1.147	29.892	34.831	27.899
22.000	0.893	0.892	29.652	34.805	27.895
24.000	0.701	0.700	29.512	34.836	27.933
26.000	0.741	0.740	29.554	34.845	27.938
28.000	0.803	0.802	29.606	34.842	27.932
30.000	0.741	0.740	29.593	34.894	27.977
32.000	0.884	0.883	29.732	34.913	27.983
34.000	0.913	0.912	29.758	34.912	27.981
36.000	0.806	0.804	29.672	34.920	27.994
38.000	0.652	0.650	29.523	34.898	27.986
40.000	0.687	0.685	29.563	34.909	27.993
42.000	0.808	0.806	29.676	34.919	27.993
44.000	0.764	0.762	29.640	34.921	27.997
46.000	0.728	0.726	29.604	34.912	27.993
48.000	0.645	0.643	29.530	34.909	27.996
50.000	0.611	0.609	29.505	34.914	28.001
52.000	0.625	0.623	29.518	34.914	28.001
56.000	0.682	0.680	29.574	34.920	28.002
60.000	0.687	0.684	29.582	34.922	28.003
64.000	0.734	0.731	29.630	34.929	28.006
68.000	0.722	0.719	29.621	34.929	28.006
72.000	0.717	0.714	29.618	34.928	28.006
76.000	0.711	0.708	29.615	34.928	28.007
80.000	0.737	0.734	29.642	34.932	28.009
84.000	0.869	0.865	29.770	34.947	28.011
88.000	0.885	0.881	29.787	34.949	28.013
92.000	0.864	0.860	29.769	34.947	28.012
96.000	0.855	0.851	29.761	34.944	28.010
100.000	0.833	0.829	29.744	34.944	28.012
120.000	0.653	0.648	29.588	34.933	28.014
140.000	0.604	0.598	29.553	34.930	28.015
160.000	0.652	0.645	29.610	34.937	28.018
180.000	0.599	0.591	29.570	34.934	28.018
200.000	0.549	0.541	29.533	34.930	28.018
220.000	0.491	0.482	29.490	34.927	28.019
240.000	0.479	0.469	29.489	34.927	28.020
260.000	0.405	0.394	29.431	34.922	28.021
280.000	0.389	0.377	29.426	34.922	28.021
300.000	0.319	0.307	29.372	34.918	28.022
320.000	0.298	0.285	29.362	34.918	28.023
340.000	0.229	0.215	29.308	34.912	28.023
360.000	0.180	0.165	29.273	34.910	28.023
380.000	0.155	0.140	29.260	34.909	28.024
400.000	0.119	0.103	29.237	34.907	28.025
420.000	0.043	0.026	29.178	34.903	28.026
440.000	0.022	0.004	29.166	34.900	28.024
460.000	-0.043	-0.061	29.118	34.897	28.026
480.000	-0.093	-0.112	29.082	34.895	28.026
500.000	-0.131	-0.151	29.059	34.896	28.029



CTD Station 156

2.000	0.510	0.510	29.079	34.499	27.673
4.000	0.522	0.522	29.141	34.565	27.725
6.000	0.582	0.582	29.319	34.729	27.854
8.000	0.563	0.563	29.275	34.692	27.826
10.000	0.623	0.623	29.415	34.807	27.914
12.000	0.612	0.612	29.403	34.802	27.911
14.000	0.573	0.572	29.375	34.808	27.918
16.000	0.553	0.552	29.368	34.820	27.930
18.000	0.556	0.555	29.382	34.834	27.940
20.000	0.660	0.659	29.468	34.828	27.929
22.000	0.634	0.633	29.482	34.875	27.969
24.000	0.760	0.759	29.586	34.867	27.954
26.000	0.757	0.756	29.586	34.870	27.957
28.000	0.877	0.876	29.713	34.898	27.972
30.000	1.012	1.011	29.836	34.905	27.969
32.000	0.921	0.920	29.752	34.897	27.968
34.000	0.927	0.926	29.759	34.898	27.969
36.000	1.000	0.998	29.832	34.909	27.973
38.000	0.945	0.943	29.782	34.905	27.973
40.000	1.013	1.011	29.852	34.918	27.979
42.000	1.035	1.033	29.873	34.920	27.979
44.000	1.051	1.049	29.892	34.925	27.982
46.000	1.074	1.072	29.918	34.932	27.986
48.000	1.059	1.057	29.908	34.934	27.989
50.000	1.077	1.075	29.927	34.937	27.989
52.000	1.099	1.097	29.948	34.938	27.989
56.000	1.113	1.110	29.970	34.949	27.997
60.000	1.107	1.104	29.963	34.945	27.994
64.000	1.145	1.142	30.002	34.949	27.995
68.000	1.118	1.115	29.983	34.952	27.999
72.000	1.125	1.122	29.985	34.946	27.993
76.000	1.066	1.063	29.938	34.949	28.000
80.000	1.031	1.027	29.910	34.949	28.002
84.000	1.065	1.061	29.943	34.951	28.002
88.000	1.084	1.080	29.966	34.958	28.006
92.000	1.199	1.195	30.077	34.968	28.006
96.000	1.073	1.069	29.973	34.974	28.019
100.000	1.013	1.008	29.903	34.948	28.003
120.000	0.719	0.714	29.645	34.932	28.009
140.000	0.392	0.386	29.352	34.906	28.009
160.000	0.417	0.410	29.388	34.913	28.013
180.000	0.516	0.508	29.496	34.930	28.020
200.000	0.407	0.399	29.400	34.916	28.016
220.000	0.415	0.406	29.421	34.922	28.020
240.000	0.404	0.394	29.420	34.921	28.020
260.000	0.368	0.357	29.398	34.921	28.021
280.000	0.299	0.288	29.343	34.915	28.021
300.000	0.270	0.258	29.327	34.915	28.022
320.000	0.226	0.213	29.296	34.912	28.023
340.000	0.174	0.160	29.259	34.910	28.024
360.000	0.155	0.141	29.251	34.908	28.024
380.000	0.119	0.104	29.227	34.907	28.024
400.000	0.071	0.055	29.193	34.904	28.025
420.000	0.026	0.009	29.162	34.902	28.026
440.000	-0.038	-0.055	29.113	34.898	28.026
460.000	-0.114	-0.132	29.055	34.894	28.027
480.000	-0.183	-0.201	29.003	34.892	28.028
500.000	-0.220	-0.239	28.981	34.893	28.031

CTD Station 157

2.000	2.839	2.839	31.510	35.011	27.909
4.000	2.768	2.768	31.434	34.994	27.902
6.000	2.524	2.524	31.227	35.003	27.931
8.000	2.480	2.480	31.175	34.987	27.921
10.000	2.525	2.524	31.220	34.992	27.921
12.000	2.498	2.497	31.185	34.977	27.912
14.000	2.526	2.525	31.229	34.999	27.927
16.000	2.543	2.542	31.234	34.985	27.915
18.000	2.514	2.513	31.208	34.984	27.916
20.000	2.405	2.404	31.063	34.922	27.876
22.000	2.281	2.280	31.012	34.994	27.944
24.000	2.257	2.256	30.991	34.992	27.944
26.000	2.217	2.216	30.941	34.973	27.933
28.000	2.014	2.013	30.745	34.949	27.930
30.000	1.967	1.965	30.725	34.976	27.955
32.000	2.073	2.071	30.835	34.996	27.963
34.000	2.101	2.099	30.861	34.996	27.960
36.000	2.196	2.194	30.956	35.009	27.963
38.000	2.188	2.186	30.950	35.009	27.964
40.000	2.109	2.107	30.875	35.001	27.964
42.000	2.111	2.109	30.882	35.007	27.968
44.000	2.142	2.140	30.913	35.011	27.969
46.000	2.157	2.155	30.929	35.013	27.970
48.000	2.162	2.159	30.938	35.017	27.972
50.000	2.082	2.079	30.859	35.005	27.969
52.000	2.045	2.042	30.814	34.989	27.959
56.000	1.844	1.841	30.649	35.001	27.985
60.000	1.668	1.665	30.467	34.963	27.968
64.000	1.562	1.559	30.373	34.959	27.973
68.000	1.635	1.632	30.445	34.967	27.974
72.000	1.645	1.641	30.457	34.969	27.975
76.000	1.678	1.674	30.492	34.974	27.976
80.000	1.806	1.802	30.623	34.996	27.984
84.000	1.872	1.868	30.687	35.001	27.983
88.000	1.885	1.880	30.700	35.001	27.982
92.000	1.939	1.934	30.755	35.009	27.984
96.000	1.938	1.933	30.759	35.012	27.986
100.000	1.959	1.954	30.781	35.014	27.986
120.000	1.889	1.883	30.726	35.011	27.990
140.000	1.770	1.763	30.626	35.004	27.993
160.000	1.578	1.570	30.455	34.989	27.996
180.000	1.582	1.573	30.472	34.995	28.000
200.000	1.540	1.530	30.446	34.997	28.005
220.000	1.462	1.451	30.384	34.992	28.007
240.000	1.203	1.191	30.148	34.968	28.006
260.000	1.207	1.194	30.162	34.970	28.007
280.000	1.084	1.071	30.059	34.963	28.010
300.000	1.079	1.065	30.062	34.961	28.009
320.000	1.009	0.994	30.007	34.957	28.010
340.000	0.952	0.936	29.964	34.953	28.011
360.000	0.876	0.859	29.905	34.951	28.014
380.000	0.831	0.813	29.873	34.948	28.015
400.000	0.754	0.736	29.814	34.945	28.018
420.000	0.733	0.714	29.803	34.943	28.017
440.000	0.636	0.616	29.724	34.939	28.020
460.000	0.507	0.487	29.616	34.931	28.021
480.000	0.444	0.423	29.568	34.927	28.022
500.000	0.297	0.276	29.442	34.916	28.022

CTD Station 159

2.000	-0.293	-0.293	27.948	33.899	27.232
4.000	-0.292	-0.292	27.932	33.875	27.212
6.000	-0.290	-0.290	27.932	33.872	27.210
8.000	-0.291	-0.291	27.941	33.884	27.219
10.000	-0.294	-0.294	27.937	33.880	27.217
12.000	-0.271	-0.271	28.042	33.994	27.307
14.000	-0.308	-0.308	28.034	34.023	27.333
16.000	-0.299	-0.300	28.036	34.015	27.326
18.000	-0.364	-0.365	28.076	34.140	27.430
20.000	-0.507	-0.508	28.098	34.330	27.590
22.000	0.036	0.035	28.644	34.444	27.656
24.000	0.117	0.116	28.820	34.586	27.766
26.000	0.419	0.418	29.089	34.600	27.760
28.000	0.389	0.388	29.066	34.602	27.763
30.000	0.467	0.466	29.199	34.688	27.828
32.000	1.118	1.117	29.789	34.724	27.815
34.000	0.941	0.940	29.674	34.771	27.865
36.000	0.807	0.805	29.574	34.792	27.891
38.000	0.855	0.853	29.629	34.808	27.900
40.000	0.693	0.691	29.493	34.811	27.913
42.000	0.714	0.712	29.530	34.835	27.931
44.000	0.779	0.777	29.598	34.850	27.939
46.000	0.799	0.797	29.620	34.855	27.942
48.000	0.840	0.838	29.668	34.869	27.950
50.000	0.877	0.875	29.703	34.871	27.950
52.000	0.890	0.888	29.716	34.873	27.951
56.000	0.928	0.926	29.759	34.883	27.956
60.000	0.937	0.934	29.769	34.885	27.957
64.000	0.970	0.967	29.806	34.892	27.961
68.000	0.937	0.934	29.784	34.899	27.968
72.000	0.862	0.859	29.716	34.892	27.968
76.000	0.910	0.907	29.770	34.905	27.975
80.000	1.088	1.084	29.940	34.923	27.978
84.000	1.226	1.222	30.069	34.933	27.976
88.000	1.444	1.440	30.286	34.965	27.986
92.000	1.438	1.434	30.283	34.966	27.987
96.000	1.460	1.455	30.313	34.977	27.995
100.000	1.418	1.413	30.258	34.951	27.977
120.000	1.245	1.239	30.119	34.954	27.992
140.000	1.211	1.204	30.097	34.952	27.993
160.000	1.266	1.258	30.176	34.981	28.012
180.000	1.345	1.336	30.249	34.974	28.001
200.000	1.122	1.113	30.054	34.961	28.006
220.000	1.029	1.019	29.977	34.954	28.007
240.000	0.987	0.976	29.947	34.951	28.007
260.000	0.907	0.895	29.882	34.945	28.007
280.000	0.818	0.805	29.812	34.942	28.011
300.000	0.767	0.754	29.779	34.945	28.016
320.000	0.641	0.627	29.669	34.932	28.014
340.000	0.634	0.619	29.674	34.934	28.016
360.000	0.537	0.521	29.594	34.928	28.017
380.000	0.525	0.508	29.592	34.926	28.016
400.000	0.454	0.437	29.540	34.927	28.021
420.000	0.386	0.368	29.486	34.921	28.021
440.000	0.299	0.280	29.417	34.917	28.022
460.000	0.266	0.247	29.396	34.914	28.023
480.000	0.188	0.168	29.334	34.910	28.023
500.000	0.133	0.112	29.294	34.907	28.024

CTD Station 160

2.000	0.865	0.865	29.412	34.536	27.681
4.000	0.789	0.789	29.380	34.578	27.720
6.000	0.821	0.821	29.373	34.533	27.681
8.000	0.818	0.818	29.351	34.507	27.661
10.000	0.763	0.763	29.333	34.543	27.693
12.000	0.988	0.987	29.587	34.620	27.740
14.000	1.215	1.214	29.807	34.650	27.749
16.000	1.118	1.117	29.742	34.673	27.774
18.000	1.197	1.196	29.820	34.684	27.778
20.000	1.145	1.144	29.808	34.726	27.815
22.000	1.303	1.302	29.949	34.731	27.808
24.000	1.321	1.320	29.979	34.748	27.821
26.000	1.306	1.305	29.973	34.756	27.828
28.000	1.339	1.338	30.013	34.768	27.836
30.000	1.257	1.256	29.950	34.778	27.849
32.000	1.153	1.152	29.865	34.783	27.860
34.000	1.386	1.384	30.094	34.816	27.871
36.000	1.287	1.285	30.028	34.841	27.898
38.000	1.275	1.273	30.018	34.840	27.898
40.000	1.276	1.274	30.020	34.841	27.899
42.000	1.276	1.274	30.020	34.839	27.897
44.000	1.306	1.304	30.062	34.858	27.910
46.000	1.350	1.348	30.107	34.865	27.913
48.000	1.512	1.510	30.254	34.872	27.907
50.000	1.536	1.534	30.285	34.883	27.914
52.000	1.459	1.456	30.216	34.881	27.918
56.000	1.525	1.522	30.293	34.903	27.931
60.000	1.477	1.474	30.252	34.902	27.933
64.000	1.434	1.431	30.211	34.895	27.931
68.000	1.390	1.387	30.186	34.909	27.945
72.000	1.390	1.387	30.195	34.919	27.953
76.000	1.357	1.353	30.162	34.911	27.949
80.000	1.325	1.321	30.146	34.924	27.962
84.000	1.401	1.397	30.238	34.954	27.980
88.000	1.427	1.423	30.256	34.946	27.972
92.000	1.346	1.342	30.182	34.939	27.973
96.000	1.396	1.391	30.229	34.941	27.971
100.000	1.341	1.336	30.185	34.944	27.977
120.000	1.515	1.509	30.368	34.971	27.986
140.000	1.327	1.320	30.204	34.960	27.990
160.000	1.411	1.403	30.296	34.972	27.995
180.000	1.433	1.424	30.327	34.976	27.996
200.000	1.357	1.347	30.266	34.970	27.997
220.000	1.408	1.397	30.323	34.975	27.997
240.000	1.452	1.440	30.377	34.983	28.000
260.000	1.480	1.467	30.414	34.988	28.002
280.000	1.532	1.518	30.475	34.996	28.005
300.000	1.523	1.508	30.477	34.997	28.006
320.000	1.492	1.476	30.458	34.995	28.007
340.000	1.474	1.457	30.450	34.994	28.008
360.000	1.404	1.386	30.394	34.989	28.008
380.000	1.351	1.332	30.355	34.986	28.010
400.000	1.319	1.299	30.333	34.983	28.010
420.000	1.293	1.272	30.320	34.983	28.012
440.000	1.279	1.257	30.317	34.983	28.013
460.000	1.270	1.247	30.319	34.984	28.014
480.000	1.202	1.178	30.263	34.977	28.014
500.000	1.110	1.085	30.187	34.970	28.014

CTD Station 161

2.000	-0.661	-0.661	27.599	33.842	27.201
4.000	-0.666	-0.666	27.606	33.855	27.212
6.000	-0.423	-0.423	28.061	34.193	27.475
8.000	-0.131	-0.131	28.391	34.305	27.552
10.000	0.150	0.150	28.708	34.408	27.621
12.000	0.185	0.185	28.746	34.418	27.627
14.000	0.285	0.284	28.860	34.455	27.651
16.000	0.078	0.077	28.879	34.714	27.871
18.000	0.408	0.407	29.028	34.536	27.709
20.000	0.320	0.319	28.991	34.586	27.754
22.000	0.438	0.437	29.124	34.627	27.781
24.000	0.536	0.535	29.228	34.651	27.794
26.000	0.681	0.680	29.387	34.695	27.821
28.000	0.779	0.778	29.493	34.723	27.837
30.000	1.031	1.030	29.744	34.765	27.854
32.000	1.156	1.155	29.880	34.800	27.874
34.000	1.253	1.251	29.988	34.829	27.890
36.000	1.298	1.296	30.041	34.845	27.900
38.000	1.322	1.320	30.074	34.859	27.910
40.000	1.271	1.269	30.031	34.860	27.914
42.000	1.250	1.248	30.019	34.868	27.922
44.000	1.130	1.128	29.910	34.859	27.923
46.000	1.090	1.088	29.866	34.846	27.916
48.000	1.104	1.102	29.892	34.864	27.929
50.000	1.034	1.032	29.840	34.873	27.941
52.000	1.003	1.001	29.818	34.878	27.947
56.000	0.924	0.922	29.738	34.861	27.939
60.000	0.908	0.905	29.728	34.863	27.942
64.000	0.939	0.936	29.762	34.870	27.945
68.000	0.933	0.930	29.757	34.869	27.944
72.000	0.962	0.959	29.788	34.873	27.946
76.000	0.884	0.881	29.722	34.873	27.951
80.000	0.834	0.831	29.678	34.870	27.952
84.000	0.849	0.845	29.699	34.878	27.958
88.000	0.970	0.966	29.814	34.888	27.958
92.000	1.099	1.095	29.940	34.904	27.962
96.000	1.264	1.259	30.100	34.923	27.966
100.000	1.297	1.292	30.133	34.926	27.966
120.000	1.546	1.540	30.397	34.975	27.987
140.000	1.563	1.556	30.423	34.977	27.987
160.000	1.509	1.501	30.384	34.975	27.990
180.000	1.543	1.534	30.426	34.979	27.990
200.000	1.596	1.586	30.490	34.990	27.995
220.000	1.480	1.469	30.389	34.979	27.995
240.000	1.611	1.599	30.527	34.997	28.000
260.000	1.557	1.544	30.485	34.992	28.000
280.000	1.535	1.521	30.478	34.997	28.005
300.000	1.522	1.507	30.475	34.995	28.005
320.000	1.462	1.446	30.430	34.994	28.008
340.000	1.392	1.375	30.374	34.988	28.009
360.000	1.319	1.301	30.314	34.982	28.009
380.000	1.338	1.319	30.342	34.984	28.009
400.000	1.271	1.251	30.290	34.981	28.011
420.000	1.193	1.172	30.226	34.974	28.012
440.000	1.107	1.085	30.156	34.969	28.013
460.000	1.040	1.018	30.103	34.964	28.014
480.000	0.976	0.953	30.052	34.958	28.013
500.000	0.922	0.898	30.013	34.957	28.016

CTD Station 163

4.000	-1.716	-1.716	26.283	33.219	26.731
6.000	-1.718	-1.718	26.274	33.207	26.721
8.000	-1.704	-1.704	26.365	33.317	26.810
10.000	-1.707	-1.707	26.352	33.301	26.797
12.000	-1.697	-1.697	26.462	33.441	26.911
14.000	-1.617	-1.617	26.556	33.480	26.940
16.000	-1.495	-1.495	26.722	33.571	27.011
18.000	-1.597	-1.597	26.633	33.561	27.006
20.000	-1.755	-1.755	26.534	33.602	27.043
22.000	-1.568	-1.568	26.704	33.625	27.057
24.000	-1.474	-1.474	26.792	33.640	27.066
26.000	-1.472	-1.473	26.806	33.655	27.078
28.000	-1.449	-1.450	26.852	33.691	27.107
30.000	-1.266	-1.267	27.043	33.746	27.146
32.000	-1.211	-1.212	27.102	33.763	27.158
34.000	-1.184	-1.185	27.133	33.775	27.167
36.000	-1.154	-1.155	27.167	33.785	27.174
38.000	-1.316	-1.317	27.045	33.801	27.192
40.000	-1.234	-1.235	27.139	33.836	27.218
42.000	-1.341	-1.342	27.066	33.855	27.237
44.000	-1.717	-1.718	26.783	33.890	27.276
46.000	-1.730	-1.731	26.785	33.906	27.289
48.000	-1.724	-1.725	26.798	33.916	27.298
50.000	-1.730	-1.731	26.801	33.927	27.306
52.000	-1.725	-1.726	26.821	33.947	27.323
56.000	-1.684	-1.685	26.903	34.012	27.375
60.000	-1.553	-1.554	27.056	34.072	27.419
64.000	-1.398	-1.399	27.229	34.132	27.463
68.000	-1.561	-1.562	27.125	34.171	27.501
72.000	-0.985	-0.987	27.665	34.253	27.547
76.000	-1.020	-1.022	27.665	34.291	27.579
80.000	-0.758	-0.760	27.936	34.359	27.624
84.000	-0.636	-0.639	28.066	34.393	27.646
88.000	-0.552	-0.555	28.173	34.439	27.681
92.000	-0.373	-0.376	28.349	34.471	27.697
96.000	-0.157	-0.160	28.558	34.503	27.713
100.000	-0.109	-0.112	28.634	34.548	27.747
120.000	0.228	0.223	29.005	34.646	27.808
140.000	0.754	0.748	29.546	34.752	27.862
160.000	1.197	1.189	30.012	34.847	27.909
180.000	1.181	1.173	30.019	34.862	27.922
200.000	1.242	1.232	30.107	34.895	27.945
220.000	1.247	1.236	30.130	34.908	27.955
240.000	1.232	1.220	30.127	34.909	27.957
260.000	1.434	1.421	30.342	34.947	27.973
280.000	1.496	1.482	30.415	34.959	27.978
300.000	1.442	1.427	30.377	34.959	27.981
320.000	1.457	1.441	30.403	34.964	27.985
340.000	1.505	1.488	30.462	34.974	27.989
360.000	1.523	1.504	30.489	34.977	27.991
380.000	1.521	1.501	30.497	34.978	27.991
400.000	1.528	1.507	30.514	34.981	27.993
420.000	1.526	1.504	30.522	34.981	27.993
440.000	1.538	1.515	30.543	34.983	27.994
460.000	1.561	1.537	30.575	34.987	27.995
480.000	1.548	1.523	30.572	34.986	27.996
500.000	1.531	1.505	30.566	34.986	27.997

CTD Station 164

2.000	-1.367	-1.367	26.732	33.449	26.908
4.000	-1.196	-1.196	26.961	33.571	27.002
6.000	-1.183	-1.183	26.983	33.585	27.013
8.000	-1.069	-1.069	27.186	33.734	27.130
10.000	-1.131	-1.131	27.053	33.621	27.040
12.000	-1.046	-1.046	27.208	33.736	27.131
14.000	-1.118	-1.118	27.084	33.646	27.060
16.000	-1.002	-1.002	27.328	33.848	27.219
18.000	-0.965	-0.965	27.389	33.888	27.251
20.000	-1.007	-1.008	27.338	33.864	27.233
22.000	-0.926	-0.927	27.449	33.924	27.278
24.000	-1.193	-1.194	27.281	33.994	27.345
26.000	-0.997	-0.998	27.448	33.999	27.342
28.000	-1.058	-1.059	27.415	34.023	27.363
30.000	-0.975	-0.976	27.480	34.015	27.354
32.000	-1.347	-1.348	27.205	34.060	27.403
34.000	-0.768	-0.769	27.748	34.143	27.450
36.000	-0.870	-0.871	27.710	34.206	27.505
38.000	-0.790	-0.791	27.807	34.246	27.534
40.000	-0.663	-0.664	27.934	34.272	27.550
42.000	-0.695	-0.696	27.927	34.298	27.572
44.000	-0.729	-0.730	27.904	34.304	27.579
46.000	-0.836	-0.837	27.834	34.330	27.604
48.000	-0.835	-0.836	27.847	34.345	27.616
50.000	-0.647	-0.648	28.033	34.382	27.638
52.000	-0.567	-0.569	28.120	34.407	27.655
56.000	-0.301	-0.303	28.408	34.490	27.709
60.000	0.216	0.214	28.914	34.576	27.752
64.000	0.428	0.425	29.134	34.625	27.779
68.000	0.396	0.393	29.129	34.653	27.804
72.000	0.780	0.777	29.533	34.746	27.856
76.000	1.051	1.048	29.774	34.753	27.844
80.000	1.160	1.156	29.903	34.796	27.870
84.000	1.278	1.274	30.033	34.829	27.889
88.000	1.314	1.310	30.087	34.856	27.908
92.000	1.270	1.266	30.056	34.863	27.917
96.000	1.431	1.426	30.209	34.877	27.917
100.000	1.236	1.231	30.039	34.874	27.928
120.000	1.001	0.996	29.849	34.880	27.949
140.000	1.125	1.119	29.981	34.899	27.956
160.000	1.172	1.164	30.040	34.911	27.962
180.000	1.295	1.286	30.175	34.935	27.973
200.000	1.396	1.386	30.287	34.954	27.981
220.000	1.363	1.352	30.268	34.954	27.984
240.000	1.415	1.403	30.329	34.963	27.987
260.000	1.409	1.396	30.336	34.967	27.990
280.000	1.368	1.354	30.309	34.967	27.993
300.000	1.316	1.301	30.268	34.961	27.992
320.000	1.375	1.359	30.340	34.975	27.999
340.000	1.335	1.318	30.309	34.968	27.997
360.000	1.347	1.329	30.331	34.972	27.999
380.000	1.273	1.254	30.271	34.966	27.999
400.000	1.235	1.215	30.246	34.965	28.001
420.000	1.013	0.993	30.045	34.943	27.999
440.000	0.899	0.878	29.949	34.935	28.000
460.000	1.103	1.080	30.157	34.963	28.009
480.000	1.023	1.000	30.092	34.957	28.010

CTD Station 166

2.000	-0.996	-0.996	27.182	33.650	27.059
4.000	-0.999	-0.999	27.175	33.643	27.054
6.000	-0.895	-0.895	27.347	33.759	27.143
8.000	-0.813	-0.813	27.500	33.873	27.233
10.000	-1.018	-1.018	27.480	34.077	27.406
12.000	-0.743	-0.743	27.813	34.216	27.508
14.000	-0.515	-0.515	28.170	34.438	27.678
16.000	-0.259	-0.260	28.259	34.269	27.529
18.000	-0.285	-0.286	28.254	34.289	27.546
20.000	-0.350	-0.351	28.196	34.284	27.545
22.000	-0.017	-0.018	28.555	34.386	27.612
24.000	0.471	0.470	29.160	34.635	27.785
26.000	0.703	0.702	29.393	34.678	27.806
28.000	0.761	0.760	29.460	34.698	27.819
30.000	0.938	0.937	29.642	34.737	27.838
32.000	1.010	1.009	29.721	34.757	27.849
34.000	1.009	1.007	29.720	34.756	27.848
36.000	1.067	1.065	29.790	34.779	27.864
38.000	1.164	1.162	29.886	34.794	27.869
40.000	1.259	1.257	29.982	34.811	27.875
42.000	1.322	1.320	30.049	34.826	27.883
44.000	1.332	1.330	30.064	34.832	27.887
46.000	1.380	1.378	30.124	34.854	27.902
48.000	1.472	1.470	30.215	34.868	27.906
50.000	1.438	1.436	30.196	34.880	27.918
52.000	1.431	1.429	30.177	34.862	27.904
56.000	1.221	1.218	29.994	34.859	27.917
60.000	1.031	1.028	29.819	34.843	27.918
64.000	0.899	0.896	29.692	34.824	27.911
68.000	0.817	0.814	29.632	34.836	27.925
72.000	0.823	0.820	29.643	34.841	27.929
76.000	0.929	0.926	29.737	34.842	27.923
80.000	0.846	0.843	29.676	34.853	27.937
84.000	0.684	0.680	29.527	34.839	27.936
88.000	0.683	0.679	29.534	34.847	27.943
92.000	0.827	0.823	29.666	34.854	27.940
96.000	1.059	1.055	29.896	34.890	27.953
100.000	1.129	1.124	29.965	34.898	27.955
120.000	1.113	1.107	29.973	34.915	27.970
140.000	1.298	1.291	30.164	34.941	27.978
160.000	1.393	1.385	30.266	34.954	27.981
180.000	1.340	1.331	30.229	34.954	27.985
200.000	1.333	1.323	30.236	34.959	27.990
220.000	1.357	1.346	30.274	34.969	27.996
240.000	1.370	1.358	30.295	34.969	27.995
260.000	1.345	1.332	30.282	34.969	27.997
280.000	1.344	1.330	30.290	34.969	27.997
300.000	1.204	1.189	30.171	34.961	28.000
320.000	1.344	1.328	30.317	34.980	28.005
340.000	1.197	1.180	30.185	34.963	28.002
360.000	1.113	1.096	30.118	34.959	28.005
380.000	1.242	1.223	30.250	34.973	28.008
400.000	1.097	1.078	30.123	34.961	28.007
420.000	0.814	0.795	29.870	34.939	28.009
440.000	0.895	0.874	29.967	34.963	28.023
460.000	0.757	0.736	29.829	34.927	28.003
480.000	0.628	0.606	29.732	34.933	28.016
500.000	0.687	0.664	29.795	34.938	28.016



CTD Station 167

2.000	-0.169	-0.169	28.471	34.459	27.678
4.000	-0.217	-0.217	28.382	34.392	27.627
6.000	-0.310	-0.310	28.353	34.457	27.683
8.000	-0.345	-0.345	28.236	34.340	27.590
10.000	-0.465	-0.465	28.179	34.397	27.642
12.000	-0.353	-0.353	28.280	34.405	27.643
14.000	-0.413	-0.413	28.193	34.355	27.605
16.000	-0.405	-0.405	28.171	34.315	27.573
18.000	-0.126	-0.127	28.563	34.523	27.727
20.000	0.162	0.161	28.858	34.588	27.765
22.000	0.200	0.199	28.902	34.602	27.774
24.000	0.335	0.334	29.031	34.619	27.780
26.000	0.627	0.626	29.318	34.666	27.801
28.000	0.723	0.722	29.423	34.694	27.818
30.000	0.830	0.829	29.532	34.715	27.828
32.000	0.914	0.913	29.619	34.732	27.836
34.000	0.998	0.997	29.715	34.761	27.854
36.000	1.021	1.019	29.741	34.768	27.857
38.000	1.043	1.041	29.769	34.779	27.865
40.000	1.087	1.085	29.823	34.798	27.878
42.000	1.250	1.248	29.979	34.815	27.880
44.000	1.234	1.232	29.971	34.822	27.887
46.000	1.212	1.210	29.950	34.819	27.885
48.000	1.184	1.182	29.928	34.821	27.889
50.000	1.183	1.181	29.946	34.843	27.907
52.000	1.185	1.183	29.955	34.851	27.913
56.000	1.168	1.165	29.940	34.849	27.912
60.000	1.151	1.148	29.938	34.862	27.925
64.000	1.201	1.198	29.993	34.876	27.932
68.000	1.217	1.214	30.020	34.889	27.941
72.000	1.202	1.199	29.998	34.875	27.931
76.000	0.924	0.921	29.756	34.872	27.948
80.000	1.243	1.239	30.071	34.918	27.963
84.000	1.273	1.269	30.096	34.915	27.958
88.000	1.294	1.290	30.118	34.918	27.960
92.000	1.320	1.316	30.142	34.917	27.957
96.000	1.296	1.291	30.132	34.928	27.967
100.000	1.339	1.334	30.174	34.933	27.968
120.000	1.377	1.371	30.229	34.948	27.978
140.000	1.181	1.174	30.053	34.930	27.977
160.000	1.398	1.390	30.276	34.961	27.987
180.000	1.138	1.130	30.041	34.938	27.987
200.000	1.049	1.040	29.970	34.935	27.990
220.000	0.795	0.785	29.741	34.911	27.987
240.000	0.576	0.566	29.550	34.897	27.990
260.000	0.665	0.654	29.642	34.905	27.991
280.000	0.498	0.486	29.497	34.892	27.991
300.000	0.965	0.951	29.939	34.929	27.991
320.000	1.059	1.044	30.048	34.954	28.005
340.000	1.130	1.114	30.130	34.968	28.011
360.000	1.301	1.283	30.298	34.981	28.009
380.000	1.267	1.248	30.277	34.980	28.011
400.000	1.208	1.188	30.232	34.977	28.012
420.000	1.111	1.091	30.151	34.969	28.013
440.000	1.033	1.012	30.088	34.964	28.015
460.000	0.959	0.937	30.029	34.960	28.016
480.000	0.898	0.875	29.981	34.954	28.015
500.000	0.827	0.803	29.927	34.952	28.018

CTD Station 168

2.000	-1.026	-1.026	27.172	33.671	27.077
4.000	-1.023	-1.023	27.177	33.673	27.079
6.000	-1.033	-1.033	27.164	33.664	27.072
8.000	-1.025	-1.025	27.180	33.676	27.081
10.000	-1.029	-1.029	27.174	33.671	27.077
12.000	-1.015	-1.015	27.194	33.682	27.086
14.000	-0.922	-0.922	27.306	33.729	27.120
16.000	-0.672	-0.672	27.662	33.930	27.273
18.000	-0.056	-0.057	28.219	33.986	27.290
20.000	0.161	0.160	28.522	34.145	27.408
22.000	-0.120	-0.121	28.290	34.149	27.425
24.000	-0.410	-0.411	28.136	34.269	27.536
26.000	0.305	0.304	28.882	34.455	27.650
28.000	0.463	0.462	29.057	34.507	27.682
30.000	0.721	0.720	29.359	34.612	27.751
32.000	0.812	0.811	29.478	34.664	27.787
34.000	0.872	0.871	29.548	34.685	27.801
36.000	0.956	0.954	29.664	34.742	27.841
38.000	1.031	1.029	29.746	34.763	27.853
40.000	1.059	1.057	29.786	34.781	27.865
42.000	1.104	1.102	29.844	34.805	27.882
44.000	1.135	1.133	29.877	34.811	27.884
46.000	1.168	1.166	29.918	34.826	27.894
48.000	1.184	1.182	29.936	34.830	27.897
50.000	1.243	1.241	30.007	34.854	27.911
52.000	1.269	1.267	30.026	34.849	27.906
56.000	1.332	1.329	30.098	34.868	27.916
60.000	1.219	1.216	29.997	34.863	27.921
64.000	1.214	1.211	30.007	34.879	27.934
68.000	1.176	1.173	29.982	34.887	27.943
72.000	1.067	1.064	29.887	34.884	27.948
76.000	0.914	0.911	29.749	34.874	27.950
80.000	0.947	0.943	29.785	34.882	27.954
84.000	1.069	1.065	29.913	34.907	27.966
88.000	1.182	1.178	30.009	34.903	27.955
92.000	1.262	1.258	30.097	34.925	27.967
96.000	1.263	1.258	30.095	34.918	27.962
100.000	1.171	1.166	30.017	34.918	27.968
120.000	1.035	1.030	29.908	34.918	27.977
140.000	1.162	1.155	30.043	34.938	27.985
160.000	1.507	1.499	30.376	34.968	27.984
180.000	1.193	1.184	30.096	34.948	27.990
200.000	1.120	1.111	30.037	34.941	27.990
220.000	1.198	1.187	30.124	34.954	27.995
240.000	1.150	1.139	30.085	34.947	27.993
260.000	1.154	1.142	30.103	34.953	27.997
280.000	1.120	1.107	30.080	34.950	27.998
300.000	1.026	1.012	30.006	34.948	28.002
320.000	0.799	0.785	29.804	34.929	28.002
340.000	0.785	0.770	29.799	34.927	28.001
360.000	0.672	0.656	29.711	34.928	28.009
380.000	0.641	0.624	29.690	34.922	28.006
400.000	0.474	0.457	29.546	34.912	28.008
420.000	0.359	0.341	29.449	34.902	28.007
440.000	0.375	0.356	29.472	34.904	28.007
460.000	0.359	0.339	29.470	34.907	28.011
480.000	0.373	0.352	29.494	34.911	28.013
500.000	0.311	0.290	29.449	34.910	28.016

CTD Station 169

2.000	-0.388	-0.388	27.766	33.761	27.125
4.000	-0.409	-0.409	27.751	33.763	27.127
6.000	-0.279	-0.279	28.031	33.992	27.306
8.000	-0.064	-0.064	28.162	33.925	27.242
10.000	0.084	0.084	28.475	34.174	27.435
12.000	0.015	0.015	28.417	34.173	27.438
14.000	0.060	0.060	28.496	34.227	27.479
16.000	0.268	0.267	28.771	34.357	27.573
18.000	0.346	0.345	28.781	34.281	27.507
20.000	0.673	0.672	29.296	34.589	27.736
22.000	0.916	0.915	29.527	34.617	27.743
24.000	1.468	1.467	30.145	34.797	27.850
26.000	1.482	1.481	30.155	34.792	27.845
28.000	1.497	1.496	30.169	34.792	27.844
30.000	1.482	1.481	30.162	34.800	27.851
32.000	1.454	1.452	30.142	34.803	27.856
34.000	1.400	1.398	30.097	34.805	27.861
36.000	1.357	1.355	30.066	34.812	27.869
38.000	1.325	1.323	30.047	34.822	27.880
40.000	1.318	1.316	30.044	34.823	27.882
42.000	1.443	1.441	30.198	34.881	27.919
44.000	1.648	1.646	30.406	34.917	27.933
46.000	1.396	1.394	30.174	34.900	27.938
48.000	1.467	1.465	30.239	34.904	27.936
50.000	1.433	1.431	30.212	34.906	27.940
52.000	1.317	1.315	30.112	34.905	27.947
56.000	1.314	1.311	30.118	34.914	27.954
60.000	1.368	1.365	30.173	34.922	27.957
64.000	1.251	1.248	30.033	34.871	27.924
68.000	0.960	0.957	29.802	34.896	27.965
72.000	0.771	0.768	29.634	34.888	27.970
76.000	0.788	0.785	29.649	34.887	27.968
80.000	0.853	0.850	29.713	34.894	27.970
84.000	0.849	0.845	29.713	34.896	27.972
88.000	0.866	0.862	29.729	34.895	27.970
92.000	0.979	0.975	29.838	34.907	27.972
96.000	0.922	0.918	29.790	34.907	27.976
100.000	0.873	0.869	29.747	34.903	27.976
120.000	1.110	1.104	29.984	34.931	27.983
140.000	1.079	1.073	29.961	34.925	27.980
160.000	1.467	1.459	30.338	34.963	27.983
180.000	1.400	1.391	30.288	34.963	27.988
200.000	1.390	1.380	30.290	34.964	27.989
220.000	1.438	1.427	30.346	34.971	27.992
240.000	1.518	1.506	30.432	34.980	27.993
260.000	1.499	1.486	30.426	34.982	27.996
280.000	1.462	1.448	30.401	34.980	27.997
300.000	1.355	1.340	30.310	34.970	27.997
320.000	1.299	1.283	30.262	34.960	27.993
340.000	1.419	1.402	30.394	34.983	28.002
360.000	1.448	1.430	30.431	34.987	28.003
380.000	1.434	1.415	30.428	34.986	28.004
400.000	1.341	1.321	30.350	34.979	28.005
420.000	1.336	1.315	30.355	34.980	28.006
440.000	1.316	1.294	30.346	34.979	28.007
460.000	1.296	1.273	30.338	34.979	28.009
480.000	1.209	1.185	30.265	34.971	28.008
500.000	1.135	1.110	30.206	34.966	28.009

CTD Station 170

2.000	0.570	0.570	28.946	34.258	27.475
4.000	0.670	0.670	29.109	34.358	27.550
6.000	0.758	0.758	29.152	34.315	27.510
8.000	0.683	0.683	29.095	34.323	27.521
10.000	0.749	0.749	29.162	34.336	27.528
12.000	0.790	0.790	29.304	34.473	27.635
14.000	0.855	0.854	29.421	34.552	27.695
16.000	0.947	0.946	29.548	34.612	27.737
18.000	0.860	0.859	29.504	34.652	27.775
20.000	1.213	1.212	29.937	34.816	27.883
22.000	1.228	1.227	29.967	34.837	27.899
24.000	1.401	1.400	30.155	34.884	27.925
26.000	1.582	1.581	30.348	34.928	27.946
28.000	1.593	1.592	30.363	34.932	27.949
30.000	1.615	1.614	30.392	34.944	27.957
32.000	1.590	1.588	30.371	34.944	27.959
34.000	1.569	1.567	30.353	34.944	27.960
36.000	1.551	1.549	30.343	34.949	27.965
38.000	1.539	1.537	30.334	34.950	27.967
40.000	1.526	1.524	30.322	34.948	27.966
42.000	1.520	1.518	30.325	34.958	27.975
44.000	1.518	1.516	30.322	34.955	27.973
46.000	1.510	1.508	30.318	34.957	27.975
48.000	1.514	1.512	30.324	34.959	27.977
50.000	1.497	1.495	30.304	34.952	27.972
52.000	1.406	1.404	30.212	34.935	27.965
56.000	1.294	1.291	30.117	34.935	27.973
60.000	1.273	1.270	30.116	34.955	27.991
64.000	1.373	1.370	30.206	34.956	27.984
68.000	1.390	1.387	30.226	34.961	27.987
72.000	1.443	1.440	30.281	34.970	27.990
76.000	1.470	1.466	30.311	34.975	27.993
80.000	1.475	1.471	30.319	34.978	27.994
84.000	1.538	1.534	30.384	34.988	27.998
88.000	1.563	1.559	30.407	34.988	27.996
92.000	1.548	1.543	30.392	34.982	27.992
96.000	1.542	1.537	30.391	34.985	27.995
100.000	1.431	1.426	30.283	34.969	27.990
120.000	1.478	1.472	30.342	34.980	27.996
140.000	1.456	1.449	30.336	34.985	28.002
160.000	1.224	1.216	30.135	34.975	28.010
180.000	1.387	1.378	30.294	34.985	28.007
200.000	1.296	1.286	30.221	34.982	28.010
220.000	1.117	1.107	30.060	34.962	28.007
240.000	1.074	1.063	30.030	34.960	28.009
260.000	1.015	1.003	29.976	34.945	28.000
280.000	0.883	0.870	29.871	34.946	28.010
300.000	0.920	0.906	29.921	34.956	28.016
320.000	0.890	0.875	29.902	34.954	28.016
340.000	0.795	0.780	29.822	34.945	28.015
360.000	0.710	0.694	29.750	34.936	28.013
380.000	0.598	0.581	29.658	34.931	28.016
400.000	0.528	0.511	29.604	34.927	28.017
420.000	0.460	0.442	29.552	34.924	28.019
440.000	0.383	0.364	29.492	34.920	28.020
460.000	0.326	0.306	29.449	34.916	28.021
480.000	0.266	0.246	29.403	34.912	28.021
500.000	0.228	0.207	29.378	34.911	28.022

CTD Station 171

2.000	0.357	0.357	28.640	34.093	27.355
4.000	0.688	0.688	29.126	34.361	27.551
6.000	0.910	0.910	29.486	34.580	27.714
8.000	0.727	0.727	29.218	34.434	27.608
10.000	1.107	1.107	29.767	34.722	27.815
12.000	1.143	1.142	29.817	34.744	27.830
14.000	1.239	1.238	29.990	34.858	27.915
16.000	1.447	1.446	30.194	34.886	27.923
18.000	1.426	1.425	30.182	34.894	27.931
20.000	1.411	1.410	30.177	34.902	27.938
22.000	1.397	1.396	30.168	34.906	27.942
24.000	1.395	1.394	30.169	34.908	27.944
26.000	1.392	1.391	30.166	34.907	27.943
28.000	1.379	1.378	30.161	34.913	27.950
30.000	1.360	1.359	30.144	34.911	27.949
32.000	1.391	1.389	30.179	34.921	27.955
34.000	1.398	1.396	30.189	34.924	27.957
36.000	1.361	1.359	30.154	34.920	27.956
38.000	1.344	1.342	30.140	34.920	27.957
40.000	1.316	1.314	30.113	34.915	27.955
42.000	1.280	1.278	30.084	34.917	27.960
44.000	1.266	1.264	30.075	34.920	27.963
46.000	1.311	1.309	30.118	34.924	27.963
48.000	1.360	1.358	30.168	34.932	27.966
50.000	1.359	1.357	30.167	34.930	27.965
52.000	1.362	1.360	30.174	34.934	27.967
56.000	1.372	1.369	30.187	34.938	27.970
60.000	1.342	1.339	30.162	34.936	27.971
64.000	1.376	1.373	30.193	34.936	27.968
68.000	1.207	1.204	30.048	34.937	27.981
72.000	1.204	1.201	30.042	34.929	27.975
76.000	1.252	1.248	30.092	34.938	27.979
80.000	1.258	1.254	30.103	34.944	27.983
84.000	1.306	1.302	30.155	34.953	27.987
88.000	1.286	1.282	30.135	34.948	27.984
92.000	1.290	1.286	30.141	34.949	27.985
96.000	1.275	1.270	30.124	34.941	27.979
100.000	1.298	1.293	30.158	34.957	27.991
120.000	1.395	1.389	30.261	34.969	27.993
140.000	1.394	1.387	30.269	34.969	27.993
160.000	1.327	1.319	30.218	34.966	27.995
180.000	1.276	1.267	30.184	34.967	28.000
200.000	1.438	1.428	30.346	34.983	28.001
220.000	1.301	1.290	30.226	34.971	28.001
240.000	1.298	1.286	30.235	34.973	28.003
260.000	1.204	1.191	30.158	34.967	28.005
280.000	1.138	1.125	30.107	34.964	28.008
300.000	1.140	1.126	30.125	34.973	28.014
320.000	1.158	1.143	30.153	34.977	28.016
340.000	1.083	1.067	30.090	34.969	28.015
360.000	0.931	0.914	29.958	34.957	28.016
380.000	0.669	0.652	29.726	34.939	28.018
400.000	0.541	0.523	29.618	34.929	28.018
420.000	0.526	0.508	29.614	34.930	28.019
440.000	0.516	0.497	29.614	34.930	28.020
460.000	0.510	0.490	29.618	34.930	28.021
480.000	0.505	0.484	29.622	34.929	28.020
500.000	0.456	0.434	29.586	34.926	28.021

CTD Station 172

2.000	1.268	1.268	29.914	34.735	27.814
4.000	1.258	1.258	29.903	34.732	27.812
6.000	1.322	1.322	29.965	34.739	27.813
8.000	1.297	1.297	29.943	34.737	27.814
10.000	1.276	1.276	29.916	34.725	27.806
12.000	1.267	1.266	29.910	34.726	27.807
14.000	1.373	1.372	30.041	34.775	27.839
16.000	1.352	1.351	30.029	34.781	27.845
18.000	1.305	1.304	29.989	34.781	27.849
20.000	1.084	1.083	29.819	34.808	27.885
22.000	1.063	1.062	29.813	34.822	27.899
24.000	0.879	0.878	29.704	34.886	27.962
26.000	0.787	0.786	29.616	34.874	27.958
28.000	0.774	0.773	29.602	34.870	27.956
30.000	0.780	0.779	29.612	34.875	27.960
32.000	0.778	0.777	29.621	34.887	27.970
34.000	0.696	0.695	29.549	34.884	27.972
36.000	0.591	0.590	29.470	34.899	27.990
38.000	0.723	0.721	29.578	34.890	27.975
40.000	0.745	0.743	29.603	34.896	27.979
42.000	0.725	0.723	29.589	34.899	27.983
44.000	0.771	0.769	29.634	34.905	27.984
46.000	0.803	0.801	29.667	34.911	27.987
48.000	0.829	0.827	29.686	34.905	27.980
50.000	0.815	0.813	29.674	34.904	27.980
52.000	0.945	0.943	29.806	34.928	27.991
56.000	0.979	0.977	29.843	34.934	27.994
60.000	0.980	0.977	29.846	34.935	27.995
64.000	0.886	0.883	29.760	34.927	27.995
68.000	0.835	0.832	29.718	34.928	27.998
72.000	0.975	0.972	29.856	34.946	28.004
76.000	0.974	0.971	29.855	34.944	28.002
80.000	1.017	1.013	29.898	34.949	28.004
84.000	1.090	1.086	29.970	34.958	28.005
88.000	1.135	1.131	30.022	34.972	28.014
92.000	1.186	1.182	30.067	34.970	28.009
96.000	1.194	1.190	30.076	34.971	28.009
100.000	1.198	1.193	30.083	34.973	28.010
120.000	1.122	1.116	30.022	34.967	28.011
140.000	1.001	0.995	29.926	34.967	28.019
160.000	1.064	1.057	29.989	34.966	28.014
180.000	1.003	0.995	29.940	34.959	28.012
200.000	0.911	0.902	29.864	34.953	28.013
220.000	0.812	0.802	29.783	34.947	28.015
240.000	0.735	0.724	29.720	34.940	28.014
260.000	0.609	0.598	29.616	34.934	28.017
280.000	0.654	0.642	29.665	34.936	28.016
300.000	0.616	0.603	29.642	34.936	28.019
320.000	0.502	0.488	29.544	34.926	28.018
340.000	0.403	0.389	29.464	34.921	28.020
360.000	0.327	0.312	29.403	34.914	28.018
380.000	0.215	0.199	29.312	34.909	28.021
400.000	0.190	0.174	29.298	34.907	28.021
420.000	0.154	0.137	29.274	34.904	28.021
440.000	0.082	0.064	29.219	34.902	28.022
460.000	0.023	0.005	29.174	34.897	28.022
480.000	-0.002	-0.021	29.162	34.897	28.023
500.000	-0.030	-0.050	29.145	34.894	28.023

CTD Station 173

2.000	2.172	2.172	30.882	34.963	27.928
4.000	2.191	2.191	30.902	34.965	27.928
6.000	2.234	2.234	30.949	34.975	27.933
8.000	2.217	2.217	30.930	34.970	27.930
10.000	2.237	2.236	30.958	34.981	27.937
12.000	2.257	2.256	30.976	34.982	27.936
14.000	2.283	2.282	31.010	34.994	27.944
16.000	2.206	2.205	30.937	34.986	27.944
18.000	2.285	2.284	31.018	34.999	27.948
20.000	2.096	2.095	30.829	34.969	27.939
22.000	1.810	1.809	30.595	34.990	27.979
24.000	1.686	1.685	30.464	34.960	27.964
26.000	1.831	1.830	30.598	34.968	27.959
28.000	1.488	1.487	30.287	34.952	27.973
30.000	1.495	1.494	30.308	34.970	27.987
32.000	1.625	1.623	30.423	34.971	27.978
34.000	1.587	1.585	30.403	34.988	27.994
36.000	1.671	1.669	30.471	34.979	27.981
38.000	1.664	1.662	30.469	34.982	27.984
40.000	1.646	1.644	30.462	34.992	27.993
42.000	1.655	1.653	30.471	34.993	27.993
44.000	1.651	1.649	30.468	34.993	27.993
46.000	1.648	1.646	30.464	34.990	27.991
48.000	1.622	1.620	30.442	34.990	27.993
50.000	1.609	1.607	30.432	34.991	27.995
52.000	1.603	1.600	30.428	34.990	27.995
56.000	1.589	1.586	30.418	34.990	27.996
60.000	1.597	1.594	30.429	34.994	27.998
64.000	1.584	1.581	30.419	34.993	27.998
68.000	1.585	1.582	30.423	34.995	28.000
72.000	1.589	1.585	30.429	34.995	28.000
76.000	1.567	1.563	30.408	34.991	27.998
80.000	1.597	1.593	30.440	34.996	28.000
84.000	1.584	1.580	30.430	34.996	28.001
88.000	1.584	1.580	30.431	34.994	27.999
92.000	1.569	1.564	30.419	34.993	28.000
96.000	1.563	1.558	30.417	34.994	28.001
100.000	1.543	1.538	30.401	34.994	28.002
120.000	1.488	1.482	30.360	34.992	28.005
140.000	1.461	1.454	30.347	34.993	28.007
160.000	1.393	1.385	30.291	34.987	28.007
180.000	1.342	1.333	30.254	34.984	28.009
200.000	1.230	1.220	30.159	34.975	28.010
220.000	1.159	1.149	30.103	34.971	28.011
240.000	1.138	1.127	30.096	34.974	28.016
260.000	1.033	1.021	30.007	34.964	28.015
280.000	0.906	0.893	29.897	34.953	28.014
300.000	0.798	0.784	29.810	34.951	28.019
320.000	0.683	0.669	29.711	34.939	28.017
340.000	0.594	0.579	29.637	34.932	28.017
360.000	0.535	0.519	29.592	34.927	28.017
380.000	0.483	0.467	29.554	34.924	28.017
400.000	0.448	0.431	29.533	34.924	28.020
420.000	0.415	0.397	29.510	34.919	28.018
440.000	0.342	0.323	29.455	34.918	28.021
460.000	0.345	0.325	29.470	34.922	28.024
480.000	0.213	0.193	29.357	34.912	28.023
500.000	0.188	0.167	29.343	34.910	28.023

CTD Station 174

2.000	-1.683	-1.683	26.436	33.395	26.873
4.000	-1.686	-1.686	26.435	33.396	26.874
6.000	-1.684	-1.684	26.444	33.405	26.881
8.000	-1.678	-1.678	26.478	33.444	26.913
10.000	-1.674	-1.674	26.481	33.443	26.912
12.000	-1.646	-1.646	26.551	33.506	26.963
14.000	-1.630	-1.630	26.594	33.547	26.996
16.000	-1.596	-1.596	26.692	33.644	27.073
18.000	-1.538	-1.538	26.885	33.844	27.234
20.000	-1.533	-1.533	26.886	33.838	27.229
22.000	-1.497	-1.497	26.953	33.888	27.269
24.000	-1.510	-1.511	26.960	33.912	27.288
26.000	-1.600	-1.601	26.908	33.941	27.315
28.000	-1.690	-1.691	26.851	33.964	27.336
30.000	-1.689	-1.690	26.857	33.970	27.341
32.000	-1.695	-1.696	26.865	33.987	27.354
34.000	-1.696	-1.697	26.877	34.003	27.367
36.000	-1.684	-1.685	26.898	34.017	27.379
38.000	-1.651	-1.652	26.944	34.043	27.399
40.000	-1.624	-1.625	26.969	34.045	27.400
42.000	-1.616	-1.617	27.004	34.083	27.430
44.000	-1.366	-1.367	27.207	34.077	27.418
46.000	-1.530	-1.531	27.099	34.113	27.452
48.000	-1.620	-1.621	27.034	34.125	27.464
50.000	-1.456	-1.457	27.184	34.144	27.475
52.000	-1.380	-1.381	27.278	34.186	27.507
56.000	-1.044	-1.045	27.605	34.248	27.546
60.000	-0.811	-0.813	27.854	34.319	27.594
64.000	-0.327	-0.329	28.360	34.450	27.679
68.000	-0.307	-0.309	28.413	34.496	27.715
72.000	-0.025	-0.028	28.699	34.557	27.750
76.000	0.267	0.264	28.989	34.608	27.775
80.000	0.452	0.449	29.206	34.682	27.825
84.000	0.916	0.912	29.659	34.751	27.851
88.000	1.246	1.242	29.987	34.803	27.870
92.000	1.280	1.276	30.042	34.833	27.892
96.000	1.370	1.365	30.145	34.862	27.909
100.000	1.426	1.421	30.202	34.871	27.912
120.000	1.363	1.357	30.176	34.895	27.936
140.000	1.365	1.358	30.202	34.915	27.952
160.000	1.217	1.209	30.091	34.926	27.971
180.000	1.255	1.246	30.136	34.929	27.971
200.000	1.301	1.291	30.194	34.940	27.977
220.000	1.398	1.387	30.303	34.960	27.986
240.000	1.429	1.417	30.338	34.959	27.983
260.000	1.423	1.410	30.346	34.965	27.988
280.000	1.428	1.414	30.362	34.968	27.990
300.000	1.464	1.449	30.412	34.980	27.997
320.000	1.452	1.436	30.407	34.975	27.993
340.000	1.447	1.430	30.416	34.980	27.998
360.000	1.444	1.426	30.422	34.980	27.999
380.000	1.481	1.461	30.470	34.988	28.002
400.000	1.466	1.445	30.465	34.987	28.002
420.000	1.437	1.415	30.448	34.986	28.004
440.000	1.429	1.406	30.452	34.988	28.006
460.000	1.389	1.365	30.423	34.984	28.006
480.000	1.247	1.223	30.301	34.975	28.008
500.000	1.184	1.159	30.251	34.970	28.009



CTD Station 176

2.000	-1.291	-1.291	26.910	33.609	27.036
4.000	-1.270	-1.270	26.938	33.623	27.047
6.000	-1.301	-1.301	26.922	33.635	27.057
8.000	-1.367	-1.367	26.886	33.659	27.078
10.000	-1.492	-1.492	26.841	33.737	27.145
12.000	-1.434	-1.434	26.847	33.677	27.095
14.000	-1.486	-1.486	26.852	33.742	27.150
16.000	-1.486	-1.486	26.879	33.778	27.179
18.000	-1.456	-1.456	27.080	34.021	27.375
20.000	-1.625	-1.625	26.998	34.100	27.444
22.000	-1.637	-1.637	26.981	34.087	27.434
24.000	-1.560	-1.561	27.090	34.150	27.483
26.000	-1.569	-1.570	27.107	34.182	27.510
28.000	-1.471	-1.472	27.195	34.190	27.513
30.000	-1.387	-1.388	27.298	34.235	27.547
32.000	-1.202	-1.203	27.498	34.297	27.591
34.000	-1.061	-1.062	27.624	34.308	27.595
36.000	-0.908	-0.909	27.781	34.346	27.620
38.000	-0.867	-0.868	27.830	34.365	27.633
40.000	-0.819	-0.820	27.894	34.395	27.656
42.000	-0.826	-0.827	27.904	34.415	27.673
44.000	-0.709	-0.710	28.010	34.425	27.676
46.000	-0.398	-0.399	28.323	34.492	27.716
48.000	-0.206	-0.208	28.488	34.494	27.708
50.000	0.128	0.126	28.817	34.553	27.739
52.000	0.188	0.186	28.882	34.571	27.750
56.000	0.124	0.122	28.845	34.591	27.769
60.000	0.443	0.441	29.149	34.630	27.783
64.000	0.647	0.644	29.376	34.696	27.824
68.000	0.818	0.815	29.562	34.744	27.852
72.000	1.294	1.291	30.055	34.846	27.902
76.000	1.728	1.724	30.451	34.867	27.887
80.000	1.587	1.583	30.325	34.860	27.891
84.000	1.521	1.517	30.272	34.864	27.900
88.000	1.436	1.432	30.206	34.871	27.912
92.000	1.461	1.457	30.230	34.872	27.911
96.000	1.638	1.633	30.411	34.904	27.922
100.000	1.607	1.602	30.383	34.901	27.923
120.000	1.437	1.431	30.262	34.924	27.953
140.000	1.238	1.231	30.089	34.912	27.958
160.000	1.276	1.268	30.144	34.928	27.969
180.000	1.451	1.442	30.327	34.956	27.979
200.000	1.520	1.510	30.406	34.968	27.983
220.000	1.541	1.530	30.437	34.973	27.985
240.000	1.541	1.529	30.447	34.973	27.986
260.000	1.474	1.461	30.394	34.969	27.988
280.000	1.454	1.440	30.388	34.971	27.990
300.000	1.479	1.464	30.421	34.975	27.992
320.000	1.488	1.472	30.441	34.978	27.993
340.000	1.463	1.446	30.428	34.978	27.995
360.000	1.482	1.464	30.458	34.983	27.998
380.000	1.543	1.523	30.526	34.991	28.000
400.000	1.479	1.458	30.475	34.986	28.000
420.000	1.366	1.345	30.379	34.977	28.002
440.000	1.354	1.332	30.378	34.978	28.003
460.000	1.284	1.261	30.323	34.974	28.005
480.000	1.181	1.157	30.234	34.964	28.004
500.000	1.118	1.093	30.187	34.962	28.007

CTD Station 177

2.000	-1.015	-1.015	27.283	33.809	27.189
4.000	-1.286	-1.286	27.153	33.936	27.301
6.000	-1.313	-1.313	27.147	33.957	27.319
8.000	-1.346	-1.346	27.138	33.982	27.340
10.000	-1.398	-1.398	27.109	33.999	27.356
12.000	-1.521	-1.521	27.054	34.063	27.412
14.000	-1.507	-1.507	27.092	34.098	27.439
16.000	-1.561	-1.561	27.062	34.118	27.457
18.000	-1.558	-1.558	27.073	34.127	27.464
20.000	-1.390	-1.390	27.232	34.154	27.481
22.000	-1.333	-1.334	27.302	34.184	27.504
24.000	-1.350	-1.351	27.316	34.222	27.535
26.000	-1.268	-1.269	27.431	34.285	27.584
28.000	-1.149	-1.150	27.587	34.361	27.641
30.000	-0.985	-0.986	27.718	34.352	27.628
32.000	-0.897	-0.898	27.814	34.381	27.648
34.000	-0.861	-0.862	27.850	34.388	27.651
36.000	-0.752	-0.753	27.997	34.462	27.707
38.000	-0.490	-0.491	28.226	34.471	27.704
40.000	-0.154	-0.155	28.526	34.492	27.704
42.000	0.058	0.056	28.756	34.557	27.745
44.000	0.144	0.142	28.854	34.588	27.766
46.000	0.248	0.246	28.954	34.602	27.772
48.000	0.356	0.354	29.085	34.652	27.806
50.000	0.604	0.602	29.301	34.655	27.794
52.000	0.465	0.463	29.184	34.656	27.802
56.000	0.484	0.482	29.232	34.696	27.833
60.000	0.530	0.528	29.289	34.716	27.847
64.000	0.725	0.722	29.484	34.749	27.861
68.000	1.099	1.096	29.840	34.790	27.870
72.000	1.345	1.342	30.080	34.821	27.878
76.000	1.644	1.640	30.368	34.855	27.883
80.000	1.672	1.668	30.421	34.888	27.908
84.000	1.817	1.813	30.568	34.912	27.916
88.000	1.768	1.763	30.525	34.909	27.917
92.000	1.679	1.674	30.436	34.893	27.911
96.000	1.419	1.414	30.204	34.883	27.922
100.000	1.399	1.394	30.182	34.875	27.918
120.000	1.375	1.369	30.198	34.910	27.947
140.000	1.423	1.416	30.268	34.934	27.963
160.000	1.360	1.352	30.226	34.940	27.972
180.000	1.597	1.588	30.465	34.969	27.978
200.000	1.487	1.477	30.374	34.963	27.982
220.000	1.709	1.698	30.604	34.997	27.992
240.000	1.549	1.537	30.476	35.001	28.008
260.000	1.502	1.489	30.415	34.964	27.981
280.000	1.432	1.418	30.371	34.974	27.995
300.000	1.414	1.399	30.366	34.976	27.997
320.000	1.397	1.381	30.359	34.975	27.998
340.000	1.382	1.365	30.356	34.977	28.000
360.000	1.373	1.355	30.357	34.976	28.000
380.000	1.322	1.303	30.319	34.973	28.002
400.000	1.308	1.288	30.317	34.974	28.004
420.000	1.255	1.234	30.277	34.970	28.004
440.000	1.153	1.131	30.192	34.964	28.006
460.000	1.085	1.062	30.138	34.958	28.006
480.000	0.965	0.942	30.036	34.950	28.008
500.000	0.964	0.940	30.047	34.953	28.010

CTD Station 178

2.000	0.347	0.347	28.670	34.144	27.396
4.000	0.356	0.356	28.667	34.128	27.383
6.000	0.368	0.368	28.718	34.181	27.425
8.000	0.498	0.498	28.870	34.235	27.461
10.000	0.539	0.539	28.995	34.351	27.552
12.000	0.504	0.504	28.900	34.265	27.485
14.000	0.567	0.566	28.985	34.306	27.514
16.000	0.581	0.580	29.008	34.318	27.523
18.000	1.234	1.233	29.950	34.811	27.878
20.000	1.360	1.359	30.125	34.894	27.935
22.000	1.358	1.357	30.128	34.898	27.939
24.000	1.375	1.374	30.150	34.907	27.945
26.000	1.381	1.380	30.163	34.915	27.951
28.000	1.392	1.391	30.173	34.914	27.949
30.000	1.363	1.362	30.149	34.915	27.952
32.000	1.289	1.288	30.080	34.908	27.951
34.000	1.258	1.256	30.056	34.910	27.955
36.000	1.251	1.249	30.052	34.912	27.957
38.000	1.281	1.279	30.086	34.921	27.962
40.000	1.270	1.268	30.078	34.922	27.964
42.000	1.311	1.309	30.119	34.928	27.966
44.000	1.304	1.302	30.114	34.927	27.966
46.000	1.288	1.286	30.103	34.930	27.970
48.000	1.292	1.290	30.106	34.928	27.968
50.000	1.293	1.291	30.112	34.934	27.972
52.000	1.339	1.337	30.162	34.946	27.978
56.000	1.388	1.385	30.207	34.945	27.974
60.000	1.474	1.471	30.294	34.959	27.979
64.000	1.378	1.375	30.195	34.937	27.968
68.000	1.441	1.438	30.270	34.961	27.983
72.000	1.543	1.539	30.370	34.972	27.985
76.000	1.459	1.455	30.296	34.968	27.988
80.000	1.436	1.432	30.277	34.967	27.989
84.000	1.426	1.422	30.270	34.968	27.990
88.000	1.398	1.394	30.246	34.965	27.990
92.000	1.406	1.402	30.256	34.966	27.990
96.000	1.411	1.406	30.266	34.972	27.994
100.000	1.434	1.429	30.293	34.978	27.997
120.000	1.507	1.501	30.370	34.984	27.997
140.000	1.474	1.467	30.352	34.985	28.000
160.000	1.474	1.466	30.355	34.977	27.994
180.000	1.491	1.482	30.388	34.989	28.002
200.000	1.472	1.462	30.382	34.991	28.005
220.000	1.287	1.276	30.219	34.977	28.007
240.000	1.089	1.078	30.045	34.964	28.010
260.000	0.961	0.949	29.938	34.957	28.013
280.000	1.096	1.083	30.074	34.969	28.014
300.000	1.054	1.040	30.046	34.968	28.016
320.000	0.969	0.954	29.979	34.966	28.020
340.000	0.832	0.816	29.857	34.949	28.015
360.000	0.729	0.713	29.770	34.940	28.015
380.000	0.681	0.664	29.738	34.941	28.019
400.000	0.573	0.555	29.648	34.933	28.020
420.000	0.502	0.484	29.592	34.929	28.020
440.000	0.423	0.404	29.530	34.925	28.022
460.000	0.310	0.290	29.437	34.919	28.024
480.000	0.256	0.236	29.397	34.915	28.024
500.000	0.144	0.123	29.304	34.908	28.024

CTD Station 179

2.000	0.905	0.905	29.387	34.460	27.618
4.000	0.900	0.900	29.380	34.455	27.614
6.000	0.900	0.900	29.381	34.456	27.614
8.000	0.903	0.903	29.387	34.458	27.616
10.000	0.926	0.926	29.411	34.463	27.618
12.000	0.929	0.928	29.420	34.470	27.624
14.000	1.044	1.043	29.636	34.620	27.737
16.000	1.139	1.138	29.823	34.754	27.839
18.000	1.155	1.154	29.864	34.788	27.865
20.000	1.148	1.147	29.866	34.798	27.873
22.000	1.115	1.114	29.844	34.804	27.880
24.000	1.100	1.099	29.832	34.804	27.881
26.000	1.093	1.092	29.834	34.813	27.889
28.000	1.241	1.240	29.995	34.855	27.913
30.000	1.406	1.405	30.160	34.881	27.922
32.000	1.308	1.306	30.102	34.916	27.957
34.000	1.300	1.298	30.101	34.922	27.962
36.000	1.323	1.321	30.139	34.943	27.977
38.000	1.338	1.336	30.133	34.918	27.956
40.000	1.255	1.253	30.075	34.934	27.975
42.000	1.298	1.296	30.118	34.941	27.978
44.000	1.315	1.313	30.142	34.951	27.985
46.000	1.355	1.353	30.188	34.965	27.993
48.000	1.418	1.416	30.243	34.963	27.987
50.000	1.418	1.416	30.245	34.964	27.987
52.000	1.403	1.401	30.238	34.971	27.995
56.000	1.246	1.243	30.072	34.932	27.974
60.000	1.063	1.060	29.919	34.937	27.990
64.000	1.058	1.055	29.922	34.944	27.997
68.000	1.089	1.086	29.953	34.947	27.997
72.000	1.194	1.191	30.058	34.961	28.001
76.000	1.189	1.185	30.052	34.958	27.999
80.000	1.278	1.274	30.133	34.960	27.994
84.000	1.151	1.147	30.023	34.958	28.001
88.000	1.163	1.159	30.037	34.960	28.002
92.000	1.184	1.180	30.060	34.963	28.003
96.000	1.175	1.171	30.056	34.966	28.006
100.000	1.155	1.150	30.036	34.960	28.003
120.000	0.983	0.978	29.886	34.948	28.005
140.000	1.146	1.139	30.051	34.965	28.008
160.000	1.253	1.245	30.164	34.979	28.011
180.000	1.144	1.136	30.072	34.972	28.013
200.000	1.047	1.038	29.992	34.965	28.015
220.000	0.919	0.909	29.883	34.956	28.016
240.000	0.839	0.828	29.816	34.947	28.014
260.000	0.752	0.740	29.746	34.943	28.016
280.000	0.701	0.689	29.710	34.942	28.018
300.000	0.661	0.648	29.682	34.937	28.017
320.000	0.597	0.583	29.634	34.936	28.020
340.000	0.541	0.526	29.592	34.931	28.020
360.000	0.436	0.421	29.507	34.927	28.023
380.000	0.371	0.355	29.456	34.922	28.023
400.000	0.287	0.270	29.389	34.917	28.023
420.000	0.223	0.206	29.342	34.916	28.026
440.000	0.205	0.187	29.331	34.910	28.023
460.000	0.112	0.093	29.257	34.906	28.024
480.000	0.049	0.030	29.208	34.901	28.023
500.000	0.014	-0.006	29.187	34.901	28.026

XBT Stations, Data in Degree C (AWI - Physical Oceanography)								
meters	002	003	004	005	006	007	008	009
10.00	3.35	3.30	3.40	3.60	3.51	3.40	3.35	3.30
12.00	3.35	3.30	3.42	3.60	3.50	3.40	3.35	3.28
14.00	3.34	3.29	3.42	3.61	3.50	3.41	3.36	3.27
16.00	3.34	3.29	3.43	3.62	3.50	3.40	3.36	3.24
18.00	3.34	3.31	3.43	3.63	3.52	3.42	3.35	3.22
20.00	3.34	3.31	3.42	3.62	3.51	3.41	3.36	3.20
22.00	3.35	3.30	3.41	3.62	3.50	3.41	3.34	3.21
24.00	3.35	3.27	3.38	3.60	3.47	3.40	3.32	3.22
26.00	3.35	3.22	3.34	3.59	3.41	3.37	3.29	3.24
28.00	3.35	3.17	3.31	3.57	3.36	3.35	3.24	3.24
30.00	3.32	3.14	3.28	3.55	3.31	3.30	3.22	3.24
32.00	3.30	3.12	3.26	3.53	3.31	3.26	3.20	3.23
34.00	3.26	3.12	3.24	3.52	3.29	3.23	3.20	3.21
36.00	3.24	3.10	3.23	3.51	3.30	3.22	3.20	3.20
38.00	3.23	3.10	3.23	3.50	3.29	3.22	3.19	3.17
40.00	3.23	3.10	3.22	3.50	3.25	3.23	3.19	3.16
42.00	3.22	3.10	3.23	3.49	3.23	3.24	3.19	3.16
44.00	3.21	3.09	3.22	3.50	3.20	3.24	3.18	3.16
46.00	3.20	3.09	3.22	3.50	3.20	3.24	3.18	3.16
48.00	3.18	3.09	3.22	3.49	3.20	3.22	3.17	3.15
50.00	3.16	3.08	3.22	3.48	3.20	3.21	3.17	3.16
54.00	3.17	3.07	3.20	3.43	3.20	3.21	3.16	3.17
58.00	3.15	3.06	3.20	3.41	3.20	3.18	3.16	3.20
62.00	3.12	3.08	3.20	3.39	3.15	3.14	3.15	3.22
66.00	3.09	3.07	3.19	3.36	3.13	3.14	3.15	3.23
70.00	3.10	3.06	3.20	3.30	3.12	3.15	3.14	3.22
74.00	3.11	3.06	3.20	3.26	3.12	3.17	3.14	3.21
78.00	3.10	3.05	3.19	3.20	3.10	3.17	3.13	3.20
82.00	3.08	3.05	3.19	3.19	3.07	3.15	3.12	3.20
86.00	3.06	3.05	3.19	3.17	3.06	3.13	3.12	3.15
90.00	3.06	3.03	3.18	3.15	3.05	3.12	3.12	3.10
94.00	3.04	3.04	3.18	3.11	3.04	3.13	3.10	3.08
98.00	3.01	3.04	3.18	3.09	3.03	3.13	3.09	3.07
100.00	2.99	3.04	3.18	3.08	3.03	3.12	3.07	3.07
120.00	2.94	3.02	3.10	3.05	2.98	3.07	2.93	3.01
140.00	2.91	3.02	3.06	3.01	2.98	3.04	3.03	2.94
160.00	2.89	3.03	2.98	2.95	2.90	2.99	2.95	2.91
180.00	2.86	2.98	2.99	2.90	2.93	2.98	2.92	2.84
200.00	2.87	2.94	2.95	2.85	2.90	2.93	2.86	2.73
220.00	2.84	2.91	2.85	2.84	2.89	2.84	2.75	2.71
240.00	2.79	2.88	2.81	2.78	2.86	2.80	2.75	2.63
260.00	2.78	2.85	2.78	2.66	2.82	2.79	2.54	2.61
280.00	2.74	2.77	2.71	2.56	2.80	2.70	2.26	2.54
300.00	2.68	2.68	2.61	2.50	2.77	2.67	1.93	2.09
320.00	2.56	2.59	2.60	2.63	2.73	2.58	1.94	2.13
340.00	2.48	2.53	2.57	2.64	2.65	2.55	1.94	2.08
360.00	2.52	2.49	2.50	2.62	2.67	2.47	1.96	2.05
380.00	2.47	2.49	2.45	2.57	2.59	2.49	1.94	2.09
400.00	2.47	2.47	2.41	2.52	2.52	2.47	1.91	1.95
420.00	2.42	2.43	2.43	2.41	2.44	2.39	1.90	1.50
440.00	2.37	2.37	2.38	2.39	2.40	2.15	1.80	1.16
460.00	2.37	2.29	2.35	2.33	2.39	1.87	1.59	0.98
480.00	2.33	2.31	2.31	2.24	2.35	1.94	1.33	0.86
500.00	2.20	2.31	2.24	2.19	2.25	1.70	1.15	0.76

XBT Stations, Data in Degree C (AWI - Physical Oceanography)								
meters	012	013	014	015	015a	015b	016	017
10.00	1.00	0.20	0.27	0.15	-0.30	-0.30	-0.40	-0.30
12.00	0.94	0.15	0.22	0.19	-0.31	-0.31	-0.47	-0.36
14.00	0.85	0.10	0.16	0.24	-0.31	-0.37	-0.55	-0.40
16.00	0.79	0.08	0.12	0.27	-0.32	-0.42	-0.61	-0.43
18.00	0.87	0.07	0.09	0.25	-0.33	-0.45	-0.65	-0.46
20.00	1.03	0.05	0.09	0.21	-0.36	-0.46	-0.66	-0.47
22.00	1.31	0.04	0.08	0.18	-0.38	-0.48	-0.68	-0.49
24.00	1.56	0.02	0.07	0.22	-0.40	-0.49	-0.69	-0.49
26.00	1.84	0.02	0.07	0.27	-0.43	-0.51	-0.70	-0.51
28.00	2.00	0.02	0.04	0.31	-0.43	-0.52	-0.69	-0.51
30.00	2.00	0.00	0.08	0.32	-0.45	-0.53	-0.70	-0.52
32.00	1.80	0.00	0.12	0.29	-0.47	-0.55	-0.70	-0.52
34.00	1.56	-0.02	0.17	0.28	-0.48	-0.56	-0.72	-0.51
36.00	1.51	-0.04	0.22	0.26	-0.51	-0.57	-0.74	-0.54
38.00	1.61	-0.05	0.25	0.26	-0.54	-0.60	-0.76	-0.56
40.00	1.78	-0.06	0.29	0.24	-0.57	-0.63	-0.79	-0.57
42.00	1.92	-0.05	0.33	0.22	-0.60	-0.66	-0.82	-0.61
44.00	1.91	-0.04	0.38	0.22	-0.62	-0.70	-0.87	-0.63
46.00	1.88	-0.06	0.43	0.21	-0.61	-0.74	-0.93	-0.66
48.00	1.88	-0.08	0.46	0.17	-0.61	-0.78	-0.99	-0.70
50.00	1.93	-0.11	0.46	0.13	-0.61	-0.82	-1.06	-0.72
54.00	2.01	-0.12	0.39	0.06	-0.63	-0.88	-1.13	-0.82
58.00	1.91	-0.08	0.26	0.08	-0.67	-0.94	-1.18	-0.88
62.00	1.83	0.01	0.19	0.20	-0.72	-0.99	-1.21	-0.87
66.00	1.87	0.13	0.20	0.37	-0.76	-1.02	-1.20	-0.81
70.00	1.93	0.25	0.30	0.54	-0.80	-1.03	-1.22	-0.78
74.00	1.94	0.36	0.43	0.75	-0.85	-1.05	-1.25	-0.77
78.00	1.84	0.35	0.48	1.02	-0.84	-1.06	-1.25	-0.78
82.00	1.64	0.28	0.50	1.25	-0.82	-1.06	-1.23	-0.79
86.00	1.42	0.26	0.48	1.46	-0.83	-1.05	-1.13	-0.80
90.00	1.31	0.22	0.47	1.58	-0.82	-1.04	-1.06	-0.88
94.00	1.31	0.25	0.47	1.65	-0.75	-1.05	-1.07	-0.93
98.00	1.33	0.35	0.47	1.73	-0.56	-1.05	-1.07	-0.85
100.00	1.35	0.38	0.47	1.73	-0.50	-1.04	-1.08	-0.80
120.00	1.39	0.72	1.12	1.49	-0.44	-0.94	-0.89	-0.79
140.00	1.73	0.83	0.88	1.39	0.12	-0.39	-0.33	-0.76
160.00	1.75	0.90	0.74	1.03	0.21	0.03	-0.02	-0.11
180.00	1.60	0.98	0.76	0.97	0.69	0.71	0.60	0.37
200.00	1.72	1.05	0.81	0.96	0.75	0.69	0.65	0.43
220.00	1.55	0.94	0.77	0.87	0.71	0.61	0.54	0.43
240.00	1.39	0.82	0.74	0.80	0.58	0.59	0.41	0.39
260.00	1.26	0.76	0.72	0.69	0.53	0.43	0.26	0.30
280.00	1.12	0.69	0.64	0.61	0.48	0.33	0.19	0.24
300.00	0.94	0.64	0.49	0.50	0.40	0.21	0.09	0.19
320.00	0.82	0.52	0.38	0.40	0.35	0.11	0.05	0.13
340.00	0.75	0.39	0.30	0.44	0.26	0.05	0.00	0.08
360.00	0.71	0.35	0.26	0.35	0.13	-0.01	-0.07	0.03
380.00	0.66	0.29	0.17	0.29	0.09	-0.06	-0.12	-0.02
400.00	0.53	0.22	0.13	0.22	0.04	-0.11	-0.15	-0.06
420.00	0.43	0.17	0.12	0.16	0.00	-0.16	-0.20	-0.10
440.00	0.30	0.10	0.09	0.12	-0.04	-0.20	-0.25	-0.15
460.00	0.25	-0.01	0.05	0.09	-0.08	-0.23	-0.31	-0.18
480.00	0.19	-0.05	0.02	0.05	-0.10	-0.28	-0.36	-0.22
500.00	0.12	-0.04	-0.06	0.01	-0.11	-0.31	-0.39	-0.24

XBT Stations, Data in Degree C (AWI - Physical Oceanography)								
meters	018	019	020	021	022	023	024	025
10.00	-0.40	-0.40	-0.40	-0.40	-0.40	-0.30	-0.41	-0.40
12.00	-0.42	-0.45	-0.45	-0.43	-0.40	-0.31	-0.40	-0.42
14.00	-0.49	-0.52	-0.49	-0.48	-0.40	-0.34	-0.41	-0.45
16.00	-0.55	-0.57	-0.56	-0.52	-0.41	-0.38	-0.43	-0.48
18.00	-0.63	-0.59	-0.61	-0.56	-0.42	-0.42	-0.46	-0.51
20.00	-0.68	-0.59	-0.65	-0.61	-0.46	-0.45	-0.50	-0.54
22.00	-0.71	-0.60	-0.67	-0.65	-0.51	-0.46	-0.54	-0.57
24.00	-0.73	-0.60	-0.67	-0.69	-0.58	-0.49	-0.56	-0.59
26.00	-0.74	-0.61	-0.67	-0.69	-0.62	-0.51	-0.58	-0.61
28.00	-0.75	-0.61	-0.66	-0.67	-0.67	-0.54	-0.59	-0.64
30.00	-0.76	-0.60	-0.69	-0.65	-0.70	-0.55	-0.59	-0.66
32.00	-0.76	-0.59	-0.70	-0.65	-0.72	-0.57	-0.61	-0.68
34.00	-0.77	-0.60	-0.72	-0.68	-0.73	-0.58	-0.64	-0.69
36.00	-0.78	-0.62	-0.72	-0.74	-0.75	-0.59	-0.67	-0.71
38.00	-0.79	-0.65	-0.72	-0.80	-0.78	-0.59	-0.71	-0.72
40.00	-0.79	-0.69	-0.73	-0.81	-0.82	-0.58	-0.76	-0.74
42.00	-0.79	-0.71	-0.72	-0.80	-0.87	-0.59	-0.79	-0.76
44.00	-0.80	-0.74	-0.72	-0.79	-0.91	-0.61	-0.81	-0.81
46.00	-0.81	-0.79	-0.73	-0.79	-0.95	-0.63	-0.85	-0.87
48.00	-0.84	-0.85	-0.73	-0.82	-0.99	-0.66	-0.87	-0.92
50.00	-0.86	-0.91	-0.74	-0.86	-1.05	-0.70	-0.91	-0.96
54.00	-0.93	-1.01	-0.76	-0.94	-1.18	-0.82	-0.97	-1.02
58.00	-1.05	-1.05	-0.80	-0.99	-1.21	-0.93	-1.03	-1.07
62.00	-1.12	-1.06	-0.86	-0.99	-1.24	-1.01	-1.08	-1.08
66.00	-1.13	-1.06	-0.94	-1.02	-1.25	-1.02	-1.10	-1.08
70.00	-1.11	-1.06	-1.00	-1.04	-1.22	-1.01	-1.11	-1.08
74.00	-1.10	-1.12	-1.07	-1.06	-1.14	-1.00	-1.12	-1.10
78.00	-1.06	-1.14	-1.11	-1.09	-1.08	-1.01	-1.15	-1.14
82.00	-1.02	-1.10	-1.13	-1.10	-1.07	-0.99	-1.20	-1.11
86.00	-0.97	-1.07	-1.14	-1.08	-1.10	-0.95	-1.19	-1.12
90.00	-0.94	-1.06	-1.14	-1.04	-1.14	-0.83	-1.23	-1.14
94.00	-0.93	-1.03	-1.11	-0.97	-1.14	-0.71	-1.32	-1.14
98.00	-0.95	-1.03	-1.08	-0.94	-1.09	-0.82	-1.33	-1.17
100.00	-0.96	-1.03	-1.06	-0.96	-1.05	-0.86	-1.31	-1.17
120.00	-0.90	-1.07	-1.09	-0.96	-1.00	-0.31	-1.22	-0.95
140.00	-1.14	-1.17	-0.62	-0.80	-0.06	0.26	0.08	-0.29
160.00	-0.87	-0.57	-0.28	-0.28	0.45	0.73	0.26	0.16
180.00	-0.22	0.29	-0.01	0.06	0.53	0.73	0.53	0.51
200.00	0.20	0.42	0.18	0.27	0.47	0.65	0.41	0.50
220.00	0.23	0.35	0.18	0.25	0.35	0.54	0.33	0.41
240.00	0.19	0.25	0.10	0.20	0.20	0.45	0.28	0.30
260.00	0.13	0.19	0.04	0.09	0.06	0.32	0.11	0.19
280.00	0.05	0.10	-0.07	0.06	-0.04	0.24	0.03	0.11
300.00	0.02	0.03	-0.13	0.01	-0.09	0.13	-0.03	0.06
320.00	-0.06	-0.04	-0.19	-0.07	-0.13	0.05	-0.07	0.00
340.00	-0.12	-0.08	-0.24	-0.13	-0.19	0.02	-0.12	-0.03
360.00	-0.16	-0.13	-0.28	-0.18	-0.15	-0.06	-0.17	-0.07
380.00	-0.22	-0.19	-0.32	-0.23	-0.15	-0.08	-0.21	-0.11
400.00	-0.25	-0.23	-0.34	-0.26	-0.21	-0.13	-0.25	-0.15
420.00	-0.30	-0.27	-0.36	-0.30	-0.25	-0.18	-0.29	-0.20
440.00	-0.34	-0.31	-0.41	-0.35	-0.32	-0.24	-0.34	-0.23
460.00	-0.40	-0.35	-0.41	-0.40	-0.37	-0.29	-0.40	-0.31
480.00	-0.43	-0.41	-0.46	-0.45	-0.44	-0.33	-0.42	-0.37
500.00	-0.48	-0.43	-0.50	-0.50	-0.48	-0.38	-0.47	-0.43

XBT Stations, Data in Degree C (Physical Oceanography)								
meters	026	027	029	030	032	033	034	035
10.00	-0.50	-0.50	1.10	1.40	0.10	0.35	0.90	1.07
12.00	-0.55	-0.57	1.13	1.41	0.11	0.35	0.90	1.09
14.00	-0.59	-0.61	1.16	1.42	0.12	0.38	0.89	1.11
16.00	-0.64	-0.61	1.14	1.44	0.12	0.39	0.89	1.14
18.00	-0.63	-0.61	1.06	1.48	0.13	0.38	0.89	1.15
20.00	-0.64	-0.62	0.95	1.53	0.13	0.36	0.89	1.15
22.00	-0.65	-0.63	0.86	1.60	0.14	0.35	0.89	1.15
24.00	-0.66	-0.64	0.94	1.65	0.13	0.34	0.89	1.14
26.00	-0.67	-0.65	1.11	1.63	0.12	0.29	0.89	1.13
28.00	-0.69	-0.66	1.29	1.50	0.13	0.20	0.85	1.12
30.00	-0.70	-0.67	1.40	1.26	0.14	0.10	0.76	1.07
32.00	-0.71	-0.68	1.42	0.99	0.15	0.03	0.64	0.99
34.00	-0.73	-0.70	1.47	0.76	0.16	0.01	0.50	0.85
36.00	-0.75	-0.71	1.54	0.58	0.16	0.01	0.41	0.69
38.00	-0.79	-0.75	1.62	0.46	0.15	0.01	0.32	0.57
40.00	-0.83	-0.80	1.70	0.36	0.14	0.00	0.26	0.48
42.00	-0.89	-0.86	1.72	0.33	0.12	-0.03	0.24	0.45
44.00	-0.95	-0.92	1.72	0.36	0.12	-0.06	0.24	0.46
46.00	-0.99	-0.98	1.72	0.43	0.12	-0.10	0.26	0.61
48.00	-1.05	-1.02	1.71	0.64	0.11	-0.14	0.29	0.83
50.00	-1.08	-1.05	1.72	0.86	0.08	-0.18	0.31	1.07
54.00	-1.11	-1.10	1.77	1.19	0.00	-0.19	0.36	1.31
58.00	-1.12	-1.15	1.79	1.24	-0.02	-0.06	0.41	1.32
62.00	-1.13	-1.17	1.70	1.28	-0.01	0.09	0.48	1.27
66.00	-1.07	-1.18	1.59	1.33	-0.07	0.10	0.56	1.26
70.00	-1.07	-1.20	1.45	1.42	-0.18	0.15	0.55	1.28
74.00	-1.12	-1.22	1.43	1.46	-0.15	0.21	0.50	1.31
78.00	-1.22	-1.22	1.46	1.38	-0.09	0.24	0.51	1.35
82.00	-1.32	-1.23	1.41	1.31	-0.11	0.42	0.65	1.37
86.00	-1.34	-1.24	1.39	1.35	-0.05	0.60	0.68	1.42
90.00	-1.36	-1.24	1.40	1.37	0.12	0.57	0.66	1.55
94.00	-1.37	-1.23	1.39	1.38	0.36	0.52	0.68	1.60
98.00	-1.38	-1.24	1.48	1.43	0.55	0.51	0.74	1.57
100.00	-1.38	-1.25	1.51	1.46	0.60	0.51	0.80	1.56
120.00	-1.37	-1.26	1.32	1.42	0.99	0.86	1.10	1.51
140.00	-0.77	-1.17	1.31	1.22	1.05	1.03	1.17	1.78
160.00	0.00	-1.11	1.22	1.05	0.87	1.04	1.24	1.78
180.00	0.40	-0.25	1.25	0.85	0.88	0.82	1.04	1.68
200.00	0.35	0.01	1.17	0.65	0.78	0.98	0.97	1.74
220.00	0.26	0.22	1.09	0.69	0.62	0.82	0.92	1.50
240.00	0.18	-0.01	0.81	0.61	0.53	0.71	0.88	1.22
260.00	0.08	-0.20	0.76	0.51	0.43	0.61	0.90	1.23
280.00	-0.02	-0.04	0.65	0.41	0.33	0.52	0.86	1.11
300.00	-0.05	-0.06	0.58	0.25	0.26	0.43	0.67	1.03
320.00	-0.13	-0.10	0.45	0.16	0.23	0.33	0.63	0.94
340.00	-0.19	-0.14	0.30	0.03	0.15	0.27	0.58	0.87
360.00	-0.27	-0.20	0.16	-0.05	0.09	0.24	0.45	0.76
380.00	-0.34	-0.23	0.03	-0.13	0.04	0.14	0.37	0.61
400.00	-0.42	-0.28	-0.01	-0.21	-0.02	0.06	0.24	0.49
420.00	-0.44	-0.30	-0.09	-0.25	-0.07	0.00	0.25	0.39
440.00	-0.46	-0.35	-0.16	-0.32	-0.14	0.00	0.21	0.34
460.00	-0.53	-0.39	-0.20	-0.36	-0.18	-0.03	0.13	0.32
480.00	-0.53	-0.41	-0.28	-0.41	-0.21	-0.13	0.05	0.26
500.00	-0.54	-0.42	-0.31	-0.48	-0.29	-0.18	-0.01	0.19



XBT Stations, Data in Degree C (AWI - Physical Oceanography)								
meters	036	037	039	040	043	045	046	047
10.00	3.15	3.25	3.20	3.20	3.35	3.40	3.64	3.30
12.00	3.17	3.26	3.21	3.20	3.36	3.39	3.64	3.30
14.00	3.17	3.27	3.22	3.21	3.37	3.40	3.66	3.30
16.00	3.18	3.28	3.23	3.21	3.37	3.40	3.68	3.31
18.00	3.18	3.27	3.22	3.22	3.39	3.40	3.70	3.31
20.00	3.12	3.26	3.22	3.22	3.38	3.41	3.71	3.31
22.00	3.07	3.27	3.22	3.22	3.38	3.41	3.69	3.31
24.00	2.96	3.26	3.22	3.20	3.38	3.41	3.69	3.31
26.00	2.84	3.27	3.23	3.17	3.38	3.41	3.68	3.32
28.00	2.70	3.26	3.22	3.16	3.38	3.41	3.67	3.32
30.00	2.56	3.24	3.20	3.14	3.38	3.42	3.66	3.32
32.00	2.46	3.20	3.17	3.13	3.37	3.41	3.65	3.32
34.00	2.43	3.16	3.14	3.13	3.35	3.41	3.63	3.30
36.00	2.43	3.12	3.11	3.12	3.35	3.41	3.62	3.25
38.00	2.45	3.12	3.06	3.11	3.32	3.41	3.59	3.18
40.00	2.45	3.12	3.04	3.11	3.30	3.40	3.55	3.12
42.00	2.45	3.11	3.01	3.10	3.27	3.40	3.51	3.07
44.00	2.45	3.11	3.01	3.11	3.22	3.38	3.48	3.06
46.00	2.42	3.10	3.01	3.11	3.20	3.36	3.47	3.05
48.00	2.35	3.09	3.02	3.11	3.19	3.34	3.47	3.04
50.00	2.25	3.10	3.01	3.10	3.18	3.29	3.46	3.04
54.00	2.03	3.09	2.99	3.10	3.19	3.23	3.45	3.03
58.00	2.09	3.10	2.98	3.07	3.19	3.23	3.44	3.03
62.00	2.15	3.11	2.98	3.05	3.19	3.24	3.43	3.02
66.00	2.07	3.11	2.97	3.05	3.19	3.22	3.43	3.00
70.00	1.97	3.10	2.96	3.04	3.17	3.20	3.43	3.00
74.00	1.93	3.11	2.96	3.04	3.18	3.19	3.43	3.00
78.00	1.94	3.10	2.96	3.04	3.16	3.17	3.43	3.00
82.00	1.93	3.10	2.95	3.02	3.15	3.16	3.44	3.00
86.00	1.88	3.11	2.95	3.00	3.15	3.16	3.44	3.00
90.00	1.77	3.08	2.96	2.99	3.16	3.16	3.43	3.00
94.00	1.63	3.00	2.96	3.00	3.16	3.15	3.42	2.98
98.00	1.50	2.96	2.94	2.99	3.14	3.14	3.42	2.96
100.00	1.48	2.95	2.94	2.99	3.13	3.14	3.42	2.96
120.00	1.82	2.85	2.91	2.99	3.10	3.11	3.39	2.88
140.00	1.88	2.81	2.87	2.92	3.08	3.06	3.24	2.77
160.00	1.78	2.59	2.81	2.88	3.04	2.97	3.20	2.65
180.00	1.56	2.37	2.80	2.91	2.98	2.90	3.14	2.65
200.00	1.56	2.24	2.75	2.86	2.97	2.91	3.15	2.59
220.00	1.71	2.06	2.71	2.80	2.94	2.88	3.11	2.54
240.00	1.75	2.11	2.64	2.60	2.88	2.77	3.04	2.49
260.00	1.77	2.23	2.54	2.57	2.79	2.68	2.98	2.46
280.00	1.72	2.21	2.50	2.52	2.70	2.72	2.95	2.34
300.00	1.60	2.14	2.36	2.49	2.60	2.65	2.72	2.21
320.00	1.42	2.16	2.19	2.47	2.57	2.53	2.68	2.14
340.00	1.39	2.11	2.13	2.45	2.58	2.57	2.70	2.11
360.00	1.18	1.97	2.08	2.41	2.48	2.55	2.68	2.19
380.00	1.12	1.81	2.01	2.31	2.25	2.48	2.44	1.94
400.00	0.98	1.66	2.08	2.26	2.22	2.41	2.33	2.03
420.00	1.01	1.55	1.85	2.13	2.20	2.37	2.27	1.81
440.00	0.81	1.38	1.65	2.05	2.09	2.33	2.15	1.84
460.00	0.71	1.24	1.52	1.89	1.84	2.21	2.31	1.87
480.00	0.59	1.05	1.37	1.84	1.74	2.13	2.22	1.66
500.00	0.53	0.90	1.22	1.76	1.93	2.02	2.14	1.40

XBT Stations, Data in Degree C (AWI - Physical Oceanography)								
meters	048	049	051	052	053	054	055	056
10.00	3.41	3.30	1.15	0.15	0.45	0.20	1.20	1.60
12.00	3.41	3.31	1.20	0.17	0.45	0.21	1.21	1.63
14.00	3.41	3.31	1.29	0.18	0.45	0.22	1.22	1.65
16.00	3.43	3.32	1.37	0.18	0.46	0.22	1.24	1.67
18.00	3.43	3.32	1.44	0.18	0.46	0.22	1.23	1.68
20.00	3.44	3.31	1.48	0.19	0.48	0.22	1.22	1.67
22.00	3.46	3.32	1.52	0.20	0.50	0.20	1.21	1.68
24.00	3.47	3.33	1.56	0.20	0.60	0.20	1.21	1.68
26.00	3.45	3.33	1.60	0.21	0.74	0.18	1.23	1.71
28.00	3.43	3.32	1.65	0.21	0.95	0.17	1.24	1.73
30.00	3.42	3.31	1.68	0.22	1.13	0.17	1.25	1.75
32.00	3.40	3.30	1.68	0.22	1.27	0.17	1.24	1.76
34.00	3.35	3.30	1.66	0.21	1.34	0.18	1.24	1.77
36.00	3.30	3.27	1.65	0.19	1.40	0.18	1.29	1.79
38.00	3.26	3.24	1.64	0.16	1.48	0.17	1.37	1.77
40.00	3.24	3.22	1.65	0.12	1.54	0.22	1.49	1.80
42.00	3.23	3.21	1.66	0.09	1.58	0.44	1.60	1.83
44.00	3.23	3.22	1.68	0.07	1.58	0.78	1.71	1.88
46.00	3.21	3.22	1.68	0.06	1.58	1.16	1.80	1.91
48.00	3.20	3.22	1.69	0.06	1.57	1.38	1.86	1.91
50.00	3.19	3.22	1.69	0.05	1.58	1.45	1.89	1.92
54.00	3.20	3.21	1.74	0.03	1.61	1.53	1.90	1.93
58.00	3.20	3.20	1.82	-0.01	1.35	1.63	1.90	1.90
62.00	3.21	3.20	1.92	-0.06	1.13	1.68	1.88	1.85
66.00	3.21	3.19	1.97	-0.07	1.18	1.76	1.87	1.73
70.00	3.19	3.18	2.04	-0.07	1.24	1.73	1.87	1.62
74.00	3.19	3.18	2.11	-0.04	1.51	1.66	1.88	1.59
78.00	3.19	3.17	2.08	-0.01	1.69	1.63	1.87	1.57
82.00	3.19	3.17	1.98	0.03	1.67	1.64	1.84	1.68
86.00	3.19	3.17	1.98	0.09	1.64	1.48	1.82	1.75
90.00	3.18	3.18	1.97	0.19	1.64	1.30	1.82	1.72
94.00	3.17	3.17	1.91	0.30	1.73	1.12	1.81	1.70
98.00	3.18	3.15	1.98	0.39	1.79	0.99	1.77	1.71
100.00	3.17	3.13	2.01	0.44	1.80	1.01	1.75	1.70
120.00	3.15	3.04	1.89	1.10	1.76	1.20	1.77	1.51
140.00	3.11	2.90	1.87	1.28	1.74	1.45	1.68	1.55
160.00	3.03	2.76	1.79	1.41	1.52	1.60	1.85	1.71
180.00	2.98	2.72	1.75	1.34	1.65	1.58	1.90	1.60
200.00	2.88	2.62	1.59	1.35	1.28	1.27	1.43	1.37
220.00	2.79	2.50	1.49	1.12	1.04	1.36	1.30	1.08
240.00	2.75	2.40	1.34	1.07	1.00	1.09	1.08	1.31
260.00	2.67	2.22	1.17	1.06	0.92	1.05	1.02	1.30
280.00	2.74	2.13	0.98	0.93	0.86	0.81	0.96	0.88
300.00	2.67	2.01	0.93	0.88	0.78	0.69	0.92	0.71
320.00	2.64	1.95	0.89	0.80	0.69	0.58	0.75	0.65
340.00	2.49	2.04	0.85	0.68	0.61	0.47	0.60	0.53
360.00	2.29	1.71	0.77	0.54	0.45	0.38	0.54	0.40
380.00	2.31	1.59	0.62	0.47	0.37	0.27	0.49	0.28
400.00	2.22	1.42	0.50	0.38	0.32	0.21	0.37	0.17
420.00	2.12	1.21	0.42	0.32	0.22	0.11	0.27	0.12
440.00	1.95	0.95	0.35	0.26	0.19	0.08	0.13	0.03
460.00	1.76	0.85	0.32	0.20	0.10	0.01	0.12	-0.05
480.00	1.42	0.69	0.24	0.12	0.05	-0.05	0.05	-0.10
500.00	1.20	0.51	0.19	0.04	0.00	-0.11	-0.08	-0.16

XBT Stations, Data in Degree C (AWI - Physical Oceanography)								
meters	057	058	059	060	061	062	063	064
10.00	1.95	-0.45	-0.70	-0.85	3.10	2.90	2.35	3.00
12.00	1.95	-0.43	-0.70	-0.84	3.11	2.90	2.36	3.01
14.00	1.96	-0.43	-0.69	-0.85	3.12	2.91	2.39	3.02
16.00	1.96	-0.42	-0.68	-0.84	3.12	2.91	2.40	3.05
18.00	1.97	-0.42	-0.67	-0.83	3.13	2.90	2.41	3.06
20.00	1.98	-0.42	-0.68	-0.81	3.13	2.91	2.41	3.06
22.00	1.99	-0.41	-0.67	-0.79	3.14	2.91	2.41	3.05
24.00	1.99	-0.42	-0.66	-0.77	3.15	2.92	2.41	3.04
26.00	2.00	-0.41	-0.66	-0.75	3.13	2.92	2.41	3.05
28.00	2.00	-0.41	-0.65	-0.73	3.12	2.92	2.38	3.05
30.00	2.01	-0.40	-0.64	-0.72	3.10	2.91	2.34	3.06
32.00	2.01	-0.39	-0.64	-0.71	3.09	2.90	2.28	3.06
34.00	2.01	-0.39	-0.62	-0.70	3.07	2.90	2.21	3.06
36.00	2.01	-0.40	-0.62	-0.69	3.05	2.90	2.16	3.06
38.00	2.01	-0.40	-0.62	-0.69	3.04	2.91	2.13	3.07
40.00	2.02	-0.41	-0.63	-0.70	3.02	2.92	2.12	3.08
42.00	2.04	-0.42	-0.66	-0.71	2.99	2.92	2.12	3.07
44.00	2.06	-0.44	-0.70	-0.72	2.97	2.92	2.11	3.08
46.00	2.07	-0.46	-0.80	-0.74	2.96	2.92	2.09	3.08
48.00	2.07	-0.50	-0.92	-0.80	2.95	2.92	2.08	3.07
50.00	2.08	-0.61	-1.03	-0.89	2.96	2.93	2.07	3.06
54.00	2.10	-0.85	-1.16	-1.03	2.94	2.93	2.06	3.05
58.00	2.09	-0.94	-1.19	-1.07	2.92	2.94	2.03	3.00
62.00	2.07	-0.98	-1.19	-1.10	2.91	2.98	2.01	2.98
66.00	1.99	-1.00	-1.19	-1.12	2.89	3.01	2.00	2.97
70.00	1.99	-0.95	-1.19	-1.12	2.87	2.99	2.00	2.97
74.00	2.03	-0.87	-1.20	-1.14	2.87	2.98	2.01	2.98
78.00	2.02	-0.62	-1.23	-1.17	2.88	2.96	2.00	2.98
82.00	1.98	-0.38	-1.26	-1.19	2.87	2.93	1.97	2.97
86.00	1.85	-0.34	-1.27	-1.23	2.84	2.93	1.94	2.95
90.00	1.65	-0.38	-1.28	-1.30	2.82	2.90	1.92	2.94
94.00	1.55	-0.33	-1.26	-1.33	2.79	2.88	1.91	2.94
98.00	1.54	-0.31	-1.23	-1.26	2.76	2.86	1.90	2.94
100.00	1.55	-0.30	-1.23	-1.26	2.76	2.86	1.90	2.94
120.00	1.49	0.25	-0.78	-0.67	2.50	2.80	1.84	2.86
140.00	1.72	1.05	-1.02	-0.18	2.25	2.66	1.70	2.84
160.00	1.70	0.95	-0.09	0.17	2.25	2.53	1.77	2.81
180.00	1.68	0.70	0.31	0.23	2.38	2.44	1.70	2.67
200.00	1.62	0.68	0.28	0.16	2.50	2.30	1.66	2.59
220.00	1.50	0.56	0.23	0.11	2.29	2.26	1.65	2.00
240.00	1.37	0.48	0.14	-0.05	2.12	2.29	1.60	1.78
260.00	1.24	0.37	0.04	-0.09	2.03	2.32	1.46	2.11
280.00	1.07	0.33	-0.05	-0.13	2.13	2.22	1.38	2.43
300.00	0.84	0.23	-0.09	-0.17	2.21	2.23	1.27	2.41
320.00	0.64	0.18	-0.12	-0.24	2.14	2.05	1.20	2.38
340.00	0.47	0.09	-0.18	-0.27	2.25	1.99	1.13	2.32
360.00	0.38	0.06	-0.21	-0.35	2.15	1.91	1.05	2.23
380.00	0.30	-0.02	-0.31	-0.42	2.17	1.77	1.00	2.21
400.00	0.18	-0.08	-0.34	-0.46	2.15	1.75	0.87	2.17
420.00	0.11	-0.13	-0.41	-0.49	2.05	1.70	0.68	2.04
440.00	0.05	-0.21	-0.44	-0.54	2.03	1.59	0.58	1.57
460.00	-0.01	-0.25	-0.52	-0.60	1.95	1.36	0.45	1.80
480.00	-0.08	-0.31	-0.52	-0.62	1.96	1.02	0.39	1.55
500.00	-0.12	-0.36	-0.56	-0.68	1.94	0.81	0.33	1.14

XBT Stations, Data in Degree C (AWI - Physical Oceanography)								
meters	065	066	067	068	069	071	072	073
10.00	3.05	1.70	1.85	1.75	1.80	-0.40	-0.80	3.10
12.00	3.05	1.70	1.85	1.77	1.80	-0.40	-0.78	3.10
14.00	3.07	1.71	1.86	1.78	1.80	-0.40	-0.77	3.11
16.00	3.08	1.71	1.87	1.77	1.81	-0.39	-0.74	3.12
18.00	3.08	1.73	1.88	1.76	1.82	-0.39	-0.71	3.12
20.00	3.08	1.74	1.89	1.77	1.83	-0.38	-0.68	3.12
22.00	3.05	1.76	1.89	1.77	1.83	-0.38	-0.65	3.12
24.00	3.06	1.77	1.89	1.76	1.84	-0.39	-0.60	3.11
26.00	3.05	1.78	1.89	1.76	1.83	-0.38	-0.57	3.10
28.00	3.04	1.78	1.89	1.76	1.83	-0.39	-0.54	3.11
30.00	3.03	1.78	1.90	1.77	1.83	-0.38	-0.50	3.10
32.00	3.04	1.80	1.90	1.78	1.83	-0.38	-0.53	3.10
34.00	3.04	1.79	1.91	1.78	1.84	-0.37	-0.55	3.10
36.00	3.07	1.79	1.91	1.78	1.85	-0.38	-0.56	3.09
38.00	3.07	1.79	1.91	1.79	1.84	-0.38	-0.62	3.09
40.00	3.07	1.79	1.92	1.80	1.84	-0.39	-0.65	3.09
42.00	3.06	1.77	1.92	1.81	1.85	-0.38	-0.71	3.09
44.00	3.04	1.74	1.91	1.82	1.84	-0.38	-0.76	3.08
46.00	3.03	1.65	1.90	1.82	1.85	-0.37	-0.83	3.07
48.00	2.94	1.49	1.88	1.82	1.85	-0.37	-0.93	3.04
50.00	2.72	1.33	1.86	1.84	1.85	-0.38	-1.03	3.02
54.00	1.70	1.16	1.82	1.82	1.87	-0.38	-1.17	2.97
58.00	1.12	1.20	1.80	1.83	1.98	-0.42	-1.20	2.93
62.00	1.10	1.33	1.78	1.85	2.15	-0.61	-1.21	2.90
66.00	1.14	1.32	1.77	1.95	2.13	-0.93	-1.25	2.88
70.00	1.18	1.26	1.76	2.10	1.94	-1.09	-1.31	2.86
74.00	1.19	1.30	1.77	2.12	1.88	-1.12	-1.32	2.83
78.00	1.22	1.34	1.83	2.09	1.94	-1.12	-1.34	2.82
82.00	1.26	1.36	1.86	2.06	2.05	-1.10	-1.41	2.80
86.00	1.27	1.36	1.85	2.01	2.08	-1.06	-1.49	2.77
90.00	1.27	1.36	1.84	1.98	2.06	-1.05	-1.54	2.74
94.00	1.26	1.38	1.83	1.96	2.05	-1.05	-1.54	2.72
98.00	1.28	1.38	1.81	1.93	2.02	-1.06	-1.55	2.68
100.00	1.29	1.39	1.78	1.91	2.02	-1.08	-1.56	2.67
120.00	1.39	1.44	1.74	1.87	1.90	-0.86	-1.55	2.61
140.00	1.44	1.49	1.83	1.83	1.79	-0.30	-1.17	2.57
160.00	1.52	1.58	1.86	1.85	1.61	0.17	0.29	2.50
180.00	1.55	1.64	1.79	1.80	1.53	0.77	0.08	2.47
200.00	1.75	1.73	1.64	1.71	1.37	0.69	0.22	2.41
220.00	1.72	1.58	1.52	1.46	1.56	0.66	0.15	2.37
240.00	1.65	1.16	1.23	1.37	1.53	0.56	0.02	2.29
260.00	1.62	1.04	1.22	1.22	1.34	0.43	-0.06	2.16
280.00	1.46	0.95	1.12	1.05	1.03	0.35	-0.13	2.10
300.00	1.37	0.81	1.03	0.88	0.91	0.27	-0.17	2.24
320.00	1.35	0.81	0.93	0.80	0.78	0.20	-0.24	2.11
340.00	1.03	0.61	0.77	0.68	0.61	0.10	-0.28	2.00
360.00	0.96	0.44	0.64	0.53	0.52	0.04	-0.32	1.93
380.00	0.91	0.41	0.52	0.43	0.44	0.00	-0.37	1.90
400.00	0.76	0.38	0.39	0.35	0.33	-0.04	-0.41	1.89
420.00	0.65	0.24	0.35	0.27	0.27	-0.08	-0.46	1.89
440.00	0.57	0.17	0.29	0.19	0.19	-0.12	-0.48	1.89
460.00	0.41	0.04	0.23	0.15	0.10	-0.17	-0.50	1.92
480.00	0.33	-0.02	0.13	0.08	0.06	-0.22	-0.55	1.88
500.00	0.22	-0.09	0.07	-0.01	0.01	-0.27	-0.58	1.84

XBT Stations, Data in Degree C (AWI - Physical Oceanography)								
meters	074	075	076	077	078	079	080	081
10.00	3.08	2.90	2.10	1.85	2.85	3.00	0.35	-0.45
12.00	3.08	2.90	2.11	1.87	2.87	3.02	0.34	-0.43
14.00	3.07	2.91	2.12	1.88	2.90	3.03	0.35	-0.42
16.00	3.07	2.91	2.13	1.88	2.93	3.03	0.36	-0.42
18.00	3.07	2.92	2.15	1.88	2.97	3.04	0.38	-0.41
20.00	3.07	2.91	2.15	1.89	2.99	3.04	0.37	-0.40
22.00	3.07	2.93	2.16	1.89	2.99	3.04	0.37	-0.39
24.00	3.06	2.93	2.14	1.89	3.00	3.04	0.38	-0.38
26.00	3.03	2.95	2.15	1.89	3.01	3.04	0.38	-0.40
28.00	3.00	2.95	2.14	1.91	3.04	3.05	0.38	-0.38
30.00	2.98	2.95	2.14	1.94	3.07	3.05	0.38	-0.36
32.00	2.98	2.96	2.15	1.97	3.09	3.05	0.38	-0.34
34.00	2.98	2.95	2.14	1.97	3.06	3.06	0.39	-0.32
36.00	2.96	2.96	2.16	1.95	3.09	3.06	0.39	-0.31
38.00	2.94	2.95	2.16	1.93	3.06	3.06	0.39	-0.32
40.00	2.90	2.96	2.17	1.97	3.06	3.06	0.38	-0.32
42.00	2.87	2.95	2.22	2.02	3.06	3.06	0.37	-0.34
44.00	2.82	2.95	2.26	2.09	3.07	3.06	0.37	-0.37
46.00	2.79	2.94	2.30	2.16	3.08	3.06	0.38	-0.41
48.00	2.76	2.93	2.32	2.22	3.07	3.06	0.37	-0.44
50.00	2.74	2.92	2.32	2.28	3.07	3.06	0.38	-0.46
54.00	2.71	2.90	2.34	2.29	3.05	3.06	0.42	-0.39
58.00	2.70	2.83	2.35	2.32	3.04	3.07	0.57	-0.26
62.00	2.67	2.79	2.34	2.35	3.04	3.06	0.77	-0.14
66.00	2.63	2.77	2.33	2.34	3.04	3.06	0.83	-0.01
70.00	2.62	2.72	2.31	2.32	3.05	3.04	0.75	0.02
74.00	2.61	2.67	2.30	2.32	3.04	3.02	0.66	0.03
78.00	2.59	2.63	2.28	2.33	2.95	3.01	0.50	-0.16
82.00	2.57	2.59	2.27	2.33	2.86	2.99	0.49	-0.49
86.00	2.55	2.55	2.28	2.34	2.78	2.94	0.75	-0.52
90.00	2.53	2.49	2.28	2.35	2.62	2.91	0.96	-0.37
94.00	2.52	2.41	2.28	2.35	2.50	2.89	1.00	-0.19
98.00	2.49	2.36	2.28	2.35	2.42	2.87	1.04	-0.05
100.00	2.47	2.37	2.28	2.36	2.40	2.86	1.05	0.01
120.00	2.42	2.38	2.30	2.40	2.27	2.77	1.38	0.51
140.00	2.32	2.25	2.27	2.36	2.18	2.67	1.48	0.50
160.00	2.11	2.21	2.31	2.30	2.28	2.49	1.49	0.60
180.00	2.21	2.14	2.35	2.25	2.31	2.35	1.49	0.55
200.00	2.14	2.18	2.16	2.28	2.37	2.05	1.54	0.57
220.00	2.15	2.09	2.23	2.31	2.34	1.75	1.37	0.55
240.00	2.12	2.07	2.19	2.22	2.24	1.79	1.24	0.40
260.00	2.13	2.10	2.09	2.12	2.15	1.80	1.02	0.30
280.00	2.10	2.10	2.18	2.11	2.27	1.67	0.94	0.28
300.00	2.11	2.12	2.08	1.96	2.17	1.76	0.80	0.19
320.00	2.11	2.06	1.93	2.00	2.02	1.73	0.72	0.05
340.00	2.06	2.10	1.79	2.02	1.96	1.61	0.65	-0.03
360.00	2.03	2.09	1.68	2.00	2.01	1.34	0.61	-0.06
380.00	2.00	1.92	1.61	1.92	1.80	1.11	0.53	-0.15
400.00	2.00	2.01	1.47	1.62	1.55	0.97	0.39	-0.17
420.00	1.99	1.96	1.41	1.48	1.67	0.72	0.32	-0.24
440.00	1.98	1.89	1.26	1.38	1.61	0.86	0.26	-0.28
460.00	1.97	1.88	1.17	1.27	1.35	0.62	0.17	-0.31
480.00	1.96	1.87	0.97	1.06	1.28	0.48	0.10	-0.36
500.00	1.93	1.84	0.83	1.11	0.95	0.29	0.06	-0.39

XBT Stations, Data in Degree C (AWI - Physical Oceanography)

meters	082	083	084	085	086	087
10.00	-0.10	-0.15	-0.30	-0.60	-0.40	-0.35
12.00	-0.11	-0.13	-0.31	-0.60	-0.39	-0.35
14.00	-0.10	-0.13	-0.31	-0.60	-0.39	-0.34
16.00	-0.11	-0.13	-0.32	-0.59	-0.39	-0.33
18.00	-0.10	-0.12	-0.32	-0.57	-0.39	-0.32
20.00	-0.10	-0.11	-0.32	-0.57	-0.39	-0.32
22.00	-0.10	-0.09	-0.31	-0.59	-0.39	-0.32
24.00	-0.10	-0.09	-0.29	-0.60	-0.39	-0.32
26.00	-0.10	-0.09	-0.28	-0.63	-0.40	-0.32
28.00	-0.11	-0.09	-0.28	-0.63	-0.40	-0.31
30.00	-0.11	-0.05	-0.29	-0.63	-0.40	-0.30
32.00	-0.11	-0.02	-0.29	-0.62	-0.40	-0.30
34.00	-0.11	-0.01	-0.29	-0.62	-0.38	-0.29
36.00	-0.11	-0.03	-0.28	-0.61	-0.36	-0.28
38.00	-0.11	-0.05	-0.25	-0.60	-0.33	-0.27
40.00	-0.11	-0.12	-0.20	-0.61	-0.31	-0.28
42.00	-0.12	-0.15	-0.14	-0.60	-0.31	-0.28
44.00	-0.11	-0.15	-0.09	-0.61	-0.32	-0.28
46.00	-0.11	-0.11	-0.07	-0.60	-0.37	-0.27
48.00	-0.09	-0.04	-0.06	-0.60	-0.42	-0.28
50.00	-0.08	-0.01	-0.07	-0.58	-0.50	-0.34
54.00	-0.06	-0.04	-0.17	-0.56	-0.55	-0.48
58.00	-0.08	-0.05	-0.36	-0.52	-0.55	-0.45
62.00	-0.09	0.05	-0.51	-0.45	-0.54	-0.39
66.00	-0.07	0.15	-0.64	-0.41	-0.51	-0.49
70.00	-0.07	0.18	-0.67	-0.38	-0.47	-0.58
74.00	-0.06	0.22	-0.64	-0.37	-0.43	-0.53
78.00	-0.04	0.39	-0.61	-0.35	-0.42	-0.38
82.00	-0.03	0.78	-0.57	-0.34	-0.39	-0.24
86.00	0.06	1.09	-0.28	-0.33	-0.35	-0.25
90.00	0.24	1.22	0.42	-0.31	-0.32	-0.25
94.00	0.45	1.24	0.75	-0.28	-0.31	-0.15
98.00	0.57	1.23	0.65	-0.22	-0.31	-0.06
100.00	0.62	1.21	0.64	-0.19	-0.31	0.03
120.00	0.88	1.10	1.19	0.51	0.06	0.37
140.00	0.60	0.85	0.98	0.61	0.35	0.52
160.00	0.66	0.77	0.24	0.44	0.51	0.48
180.00	0.59	0.66	0.59	0.32	0.52	0.42
200.00	0.48	0.63	0.49	0.23	0.44	0.32
220.00	0.50	0.57	0.45	0.27	0.38	0.23
240.00	0.42	0.41	0.42	0.19	0.31	0.13
260.00	0.29	0.31	0.32	0.13	0.31	0.06
280.00	0.15	0.22	0.25	0.01	0.19	-0.15
300.00	0.09	0.13	0.14	0.04	0.09	-0.14
320.00	0.03	0.05	0.10	-0.01	0.00	-0.12
340.00	-0.05	0.01	0.00	-0.08	-0.03	-0.17
360.00	-0.10	-0.05	-0.06	-0.14	-0.08	-0.23
380.00	-0.16	-0.10	-0.12	-0.18	-0.14	-0.28
400.00	-0.19	-0.15	-0.17	-0.35	-0.19	-0.35
420.00	-0.26	-0.18	-0.21	-0.33	-0.23	-0.39
440.00	-0.31	-0.22	-0.27	-0.40	-0.28	-0.44
460.00	-0.35	-0.25	-0.31	-0.43	-0.29	-0.49
480.00	-0.38	-0.28	-0.35	-0.48	-0.32	-0.54
500.00	-0.42	-0.32	-0.39	-0.55	-0.37	-0.58

XBT Stations, Data in Degree C (AWI - Physical Oceanography)								
meters	119	120	121	123	125	127	129	131
10.00	-0.15	0.00	-0.20	-1.20	-1.70	-1.75	-1.75	-1.80
12.00	-0.14	-0.05	-0.24	-1.07	-1.67	-1.72	-1.75	-1.79
14.00	-0.13	-0.11	-0.28	-0.84	-1.65	-1.69	-1.75	-1.77
16.00	-0.14	-0.13	-0.28	-0.55	-1.63	-1.65	-1.77	-1.76
18.00	-0.14	-0.13	-0.22	-0.21	-1.60	-1.61	-1.79	-1.75
20.00	-0.13	-0.04	-0.12	0.10	-1.57	-1.53	-1.81	-1.76
22.00	-0.09	0.06	0.04	0.35	-1.52	-1.40	-1.82	-1.74
24.00	-0.02	0.16	0.18	0.54	-1.45	-1.22	-1.79	-1.72
26.00	0.03	0.21	0.28	0.62	-1.33	-0.99	-1.74	-1.71
28.00	0.06	0.21	0.29	0.67	-1.16	-0.72	-1.65	-1.70
30.00	0.09	0.15	0.22	0.71	-0.91	-0.53	-1.53	-1.72
32.00	0.13	0.07	0.12	0.75	-0.63	-0.36	-1.37	-1.74
34.00	0.19	0.08	0.04	0.79	-0.32	-0.24	-1.17	-1.76
36.00	0.25	0.13	0.02	0.82	-0.04	-0.10	-0.99	-1.75
38.00	0.26	0.25	0.07	0.86	0.10	0.03	-0.77	-1.74
40.00	0.24	0.35	0.16	0.90	0.15	0.12	-0.56	-1.72
42.00	0.22	0.35	0.26	0.93	0.15	0.16	-0.40	-1.71
44.00	0.19	0.36	0.34	0.96	0.16	0.17	-0.30	-1.70
46.00	0.18	0.37	0.39	0.99	0.22	0.19	-0.26	-1.69
48.00	0.16	0.44	0.43	1.01	0.24	0.22	-0.20	-1.69
50.00	0.15	0.57	0.46	1.02	0.25	0.27	-0.12	-1.68
54.00	0.13	0.73	0.47	1.06	0.27	0.33	0.05	-1.67
58.00	0.14	0.70	0.00	1.14	0.48	0.37	0.14	-1.69
62.00	0.35	0.81	-0.29	1.17	0.70	0.41	0.21	-1.71
66.00	0.63	0.97	-0.18	1.14	0.75	0.42	0.30	-1.67
70.00	0.74	1.03	0.02	1.11	0.76	0.44	0.35	-1.60
74.00	0.76	1.01	0.19	1.11	0.81	0.53	0.42	-1.51
78.00	0.76	0.93	0.35	1.08	0.89	0.65	0.49	-1.42
82.00	0.78	0.90	0.51	1.11	0.92	0.72	0.58	-1.29
86.00	0.80	0.83	0.57	1.15	0.93	0.76	0.69	-1.13
90.00	0.82	0.68	0.66	1.14	0.92	0.76	0.79	-0.99
94.00	0.88	0.67	0.78	1.19	0.94	0.73	0.84	-0.87
98.00	0.92	0.74	0.79	1.26	0.93	0.68	0.87	-0.77
100.00	0.91	0.75	0.79	1.28	0.91	0.66	0.88	-0.73
120.00	0.75	0.52	0.63	1.22	0.84	0.69	0.79	-0.06
140.00	1.00	0.73	0.46	1.15	0.72	0.66	0.76	0.50
160.00	0.95	0.63	0.09	1.10	0.78	0.56	0.73	0.71
180.00	0.91	0.48	0.01	0.92	0.65	0.52	0.67	0.94
200.00	0.56	0.36	0.15	0.74	0.70	0.40	0.50	1.10
220.00	0.57	0.35	0.53	0.61	0.66	0.31	0.55	1.26
240.00	0.41	0.30	0.62	0.59	0.63	0.20	0.62	1.27
260.00	0.39	0.28	0.57	0.43	0.48	0.09	0.45	1.00
280.00	0.35	0.23	0.54	0.28	0.45	-0.04	0.39	0.91
300.00	0.33	0.22	0.42	0.27	0.33	-0.10	0.36	0.89
320.00	0.21	0.20	0.33	0.27	0.20	-0.15	0.29	0.91
340.00	0.22	0.14	0.26	0.19	0.08	-0.19	0.21	1.02
360.00	0.20	0.09	0.21	0.14	0.05	-0.20	0.13	0.98
380.00	0.13	0.12	0.19	0.10	-0.71	-0.27	0.05	0.98
400.00	0.07	0.08	0.14	0.04	-0.43	-0.30	0.00	0.91
420.00	0.02	0.05	0.11	-0.02	-0.70	-0.37	-0.08	0.82
440.00	0.00	0.01	0.11	-0.04	-0.55	-0.42	-0.14	0.74
460.00	-0.02	-0.05	0.07	-0.07	1.24	-0.42	-0.18	0.67
480.00	-0.06	-0.07	0.03	-0.08	3.41	-0.47	-0.23	0.61
500.00	-0.08	-0.12	0.01	-0.12	0.62	-0.51	-0.28	0.50

Distribution of inorganic nutrients (G. Kattner)

Samples were taken by the CTD-water-sampler at light or standard depths and analyzed for nitrate (NO<sub>3</sub>), nitrite (NO<sub>2</sub>), ammonium (NH<sub>4</sub>), silicate (Si) and phosphate (PO<sub>4</sub>) with a continuous flow system, the AutoAnalyzer II of Technicon. Concentrations are given in  $\mu\text{mol l}^{-1}$ . The methods are described by Eberlein et al. 1983, Mar. Ecol. Prog. Ser. 14: 45-58.



Nutrient Data (AWI - Chemical Oceanography)

28 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	7.88	0.05	0.76	1.43	0.56
6.00	7.90	0.05	0.81	1.36	0.53
11.00	7.97	0.05	0.77	1.33	0.54
18.00	8.02	0.05	0.69	1.40	0.53
28.00	8.28	0.04	0.62	1.50	0.54
43.00	9.11	0.04	0.48	2.39	0.59
75.00	9.72	0.04	0.52	3.38	0.65
100.00	9.88	0.04	0.52	3.25	0.64
150.00	11.96	0.02	0.35	6.04	0.78
200.00	12.71	0.01	0.36	6.76	0.81
300.00	13.04	0.00	0.30	7.22	0.89
500.00	13.32	0.00	0.33	8.20	0.89

29 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	9.55	0.04	0.38	4.42	0.67
5.00	9.52	0.04	0.42	4.40	0.66
10.00	9.44	0.04	0.41	4.33	0.66
20.00	9.42	0.04	0.34	4.35	0.66
30.00	9.61	0.04	0.35	5.09	0.69
40.00	9.62	0.04	0.30	5.36	0.69
50.00	9.87	0.03	0.31	5.39	0.71
75.00	10.71	0.04	0.36	5.38	0.73
100.00	11.49	0.06	0.29	5.78	0.78
150.00	11.95	0.05	0.28	6.04	0.79
200.00	12.34	0.01	0.33	6.25	0.81
300.00	13.15	0.00	0.25	7.31	0.87
500.00	13.68	0.00	0.26	8.71	0.91

30 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	9.16	0.04	0.51	3.19	0.66
7.00	9.10	0.04	0.52	3.11	0.67
13.00	9.12	0.04	0.53	3.16	0.67
20.00	9.13	0.04	0.57	3.24	0.72
31.00	9.44	0.04	0.43	3.91	0.72
49.00	9.80	0.04	0.38	4.73	0.71
75.00	11.02	0.04	0.36	5.47	0.79
100.00	11.45	0.07	0.44	5.64	0.84
150.00	11.86	0.04	0.35	6.10	0.85
200.00	12.42	0.00	0.31	6.66	0.89
300.00	12.81	0.00	0.26	7.23	0.91
500.00	13.71	0.00	0.26	8.89	0.97

Nutrient Data (AWI - Chemical Oceanography)

31 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	8.50	0.04	0.57	2.27	0.57
5.00	8.47	0.04	0.59	2.21	0.55
8.00	8.45	0.04	0.52	2.23	0.55
12.00	8.46	0.04	0.60	2.20	0.54
19.00	8.50	0.04	0.50	2.33	0.56
30.00	8.48	0.04	0.43	2.40	0.56
75.00	10.95	0.06	0.43	5.03	0.74
100.00	11.53	0.07	0.35	5.84	0.77
150.00	12.31	0.01	0.27	6.48	0.80
200.00	12.95	0.00	0.33	7.19	0.85
300.00	13.02	0.00	0.30	7.73	0.86
500.00	13.71	0.00	0.34	8.97	0.91

32 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	8.53	0.04	0.67	2.63	0.59
5.00	8.49	0.04	0.63	2.55	0.60
8.00	8.62	0.04	0.67	2.60	0.60
13.00	8.68	0.04	0.75	2.71	0.59
21.00	8.74	0.04	0.66	2.69	0.58
33.00	9.02	0.04	0.63	3.05	0.60
50.00	9.34	0.04	0.54	3.33	0.62
75.00	10.09	0.04	0.71	3.73	0.67
100.00	10.96	0.06	0.47	5.01	0.73
150.00	12.25	0.01	0.26	6.30	0.82
200.00	12.89	0.00	0.35	7.00	0.85
300.00	13.06	0.00	0.28	7.61	0.86
500.00	13.64	0.00	0.28	8.77	0.91

33 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	8.86	0.04	0.51	2.93	0.61
5.00	8.83	0.04	0.51	2.95	0.60
10.00	8.80	0.05	0.51	2.93	0.58
20.00	8.93	0.04	0.49	2.90	0.58
30.00	9.13	0.03	0.44	2.99	0.62
40.00	9.19	0.03	0.48	3.03	0.61
50.00	9.39	0.03	0.54	3.05	0.64
75.00	10.05	0.04	0.55	3.70	0.71
100.00	10.51	0.05	0.69	4.40	0.73
150.00	11.84	0.08	0.30	5.98	0.81
200.00	12.54	0.00	0.32	6.63	0.86
300.00	12.76	0.00	0.30	7.29	0.88
500.00	12.79	0.00	0.33	7.72	0.89

Nutrient Data (AWI - Chemical Oceanography)

72 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	6.79	0.05	0.56	1.29	0.46
6.00	6.77	0.05	0.57	1.18	0.46
10.00	6.83	0.05	0.57	1.31	0.47
16.00	6.82	0.05	0.54	1.32	0.47
25.00	6.92	0.05	0.56	1.37	0.46
38.00	7.47	0.04	0.59	1.87	0.52
50.00	7.91	0.05	0.66	1.83	0.51
75.00	8.66	0.04	0.59	2.80	0.58
100.00	8.85	0.03	0.54	4.16	0.62
150.00	11.38	0.01	0.30	6.92	0.79
200.00	11.47	0.00	0.29	7.17	0.82
300.00	11.46	0.00	0.27	7.49	0.81
500.00	11.62	0.00	0.25	8.38	0.85

87 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	7.77	0.05	0.62	1.18	0.48
5.00	7.73	0.05	0.58	1.13	0.48
8.00	7.67	0.05	0.54	1.13	0.48
12.00	7.65	0.05	0.52	1.16	0.49
19.00	7.64	0.05	0.51	1.20	0.49
30.00	7.84	0.05	0.53	1.37	0.51
50.00	9.06	0.05	0.54	2.32	0.58
75.00	10.70	0.07	0.44	4.96	0.77
100.00	11.95	0.06	0.26	6.29	0.81
150.00	12.82	0.01	0.21	7.34	0.87
200.00	12.90	0.01	0.34	7.59	0.88
300.00	12.83	0.00	0.23	7.73	0.87
500.00	13.15	0.00	0.34	8.54	0.91

88 Station Number					
depth	NO3	NO2	NH4	Si	PO4
5.00	7.66	0.05	0.53	1.26	0.47
10.00	7.55	0.05	0.42	1.26	0.45
20.00	7.56	0.05	0.38	1.25	0.45
30.00	7.50	0.05	0.38	1.26	0.46
40.00	7.57	0.04	0.44	1.29	0.47
50.00	8.08	0.05	0.53	1.65	0.51
75.00	8.10	0.05	0.56	1.64	0.52
100.00	10.30	0.06	0.56	4.21	0.73
150.00	12.05	0.02	0.27	6.85	0.80
200.00	12.51	0.01	0.36	7.30	0.85
300.00	12.56	0.01	0.29	7.54	0.85
500.00	13.25	0.01	0.30	9.00	0.86

Nutrient Data (AWI - Chemical Oceanography)

89	Station Number				
depth	NO3	NO2	NH4	Si	PO4
0.00	7.85	0.06	0.64	1.79	0.55
4.00	7.83	0.06	0.54	1.75	0.54
7.00	7.84	0.05	0.52	1.79	0.56
11.00	7.79	0.06	0.55	1.85	0.56
18.00	7.86	0.05	0.52	1.92	0.56
27.00	8.12	0.05	0.54	2.34	0.57
50.00	8.56	0.05	0.59	2.51	0.59
75.00	10.78	0.08	0.44	5.64	0.77
100.00	11.23	0.08	0.36	6.04	0.80
150.00	12.04	0.02	0.27	6.84	0.85
200.00	12.29	0.01	0.26	7.26	0.87
300.00	12.74	0.01	0.32	7.97	0.88
500.00	12.74	0.00	0.34	8.42	0.89

90	Station Number				
depth	NO3	NO2	NH4	Si	PO4
0.00	7.92	0.06	0.43	1.98	0.53
5.00	7.91	0.06	0.43	2.02	0.53
8.00	7.91	0.06	0.49	2.19	0.54
12.00	7.83	0.06	0.45	2.08	0.53
19.00	7.85	0.06	0.48	2.09	0.56
30.00	8.12	0.05	0.48	2.17	0.57
50.00	9.19	0.05	0.54	3.14	0.67
75.00	10.83	0.09	0.52	5.62	0.83
100.00	11.54	0.08	0.33	6.45	0.87
150.00	12.13	0.01	0.30	7.06	0.92
200.00	12.20	0.01	0.32	7.33	0.96
300.00	12.58	0.01	0.31	7.95	1.05
500.00	12.57	0.00	0.28	8.46	1.02

91	Station Number				
depth	NO3	NO2	NH4	Si	PO4
1.00	7.19	0.06	0.61	1.21	0.57
5.00	7.13	0.06	0.68	1.32	0.57
9.00	7.17	0.06	0.67	1.32	0.57
15.00	7.14	0.06	0.65	1.32	0.56
23.00	7.17	0.06	0.66	1.35	0.57
35.00	7.14	0.06	0.64	1.37	0.57
50.00	7.26	0.06	0.61	1.43	0.56
75.00	8.79	0.05	0.46	2.59	0.70
100.00	9.14	0.06	0.44	3.27	0.73
150.00	11.14	0.07	0.33	6.15	0.88
200.00	11.83	0.01	0.37	7.12	0.94
300.00	12.16	0.01	0.34	7.66	0.97
500.00	12.52	0.00	0.33	8.33	1.00

Nutrient Data (AWI - Chemical Oceanography)

92 Station Number					
depth	NO3	NO2	NH4	Si	PO4
1.00	8.89	0.06	99.99	4.91	0.69
7.00	8.91	0.06	99.99	4.98	0.68
12.00	8.94	0.06	99.99	4.91	0.68
17.00	8.98	0.05	99.99	4.93	0.69
30.00	9.00	0.05	99.99	4.97	0.69
46.00	8.97	0.06	99.99	5.00	0.82
75.00	10.82	0.08	99.99	6.07	0.82
100.00	10.91	0.08	99.99	6.07	0.84
150.00	10.82	0.08	99.99	6.05	0.85
200.00	10.92	0.08	99.99	6.18	0.86
300.00	11.61	0.02	99.99	6.70	0.89
500.00	12.39	0.00	99.99	8.37	0.98

93 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	10.11	0.07	99.99	6.04	0.68
7.00	10.04	0.07	99.99	6.03	0.69
11.00	10.00	0.07	99.99	6.02	0.70
18.00	9.96	0.07	99.99	6.01	0.70
28.00	9.96	0.07	99.99	5.99	0.72
43.00	10.03	0.07	99.99	6.02	0.73
75.00	10.23	0.07	99.99	6.07	0.74
100.00	11.00	0.11	99.99	6.08	0.78
150.00	11.13	0.09	99.99	6.04	0.81
200.00	10.94	0.08	99.99	5.96	0.82
300.00	11.25	0.04	99.99	6.19	0.86
500.00	11.85	0.00	99.99	7.24	0.94

94 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	9.16	0.06	99.99	5.87	0.78
7.00	9.19	0.06	99.99	5.82	0.77
13.00	9.34	0.06	99.99	5.79	0.78
20.00	9.60	0.06	99.99	5.77	0.78
32.00	9.61	0.05	99.99	5.85	0.77
49.00	9.70	0.06	99.99	5.76	0.79
75.00	11.15	0.07	99.99	5.96	0.89
100.00	11.14	0.08	99.99	6.04	0.89
150.00	10.86	0.06	99.99	6.06	0.88
200.00	10.96	0.08	99.99	6.00	0.89
300.00	10.99	0.07	99.99	5.98	0.89
500.00	11.54	0.00	99.99	6.54	0.94

Nutrient Data (AWI - Chemical Oceanography)

95 Station Number					
depth	NO3	NO2	NH4	Si	PO4
10.00	11.07	0.06	0.58	6.04	0.80
100.00	12.54	0.07	0.44	6.04	0.83
200.00	12.71	0.06	0.30	6.00	0.85
300.00	12.82	0.03	0.35	6.09	0.89
500.00	12.92	0.01	0.28	6.11	0.87
750.00	13.71	0.00	0.27	7.05	0.94
1000.00	14.38	0.00	0.26	8.61	0.99
1200.00	14.77	0.00	0.26	10.01	1.02
1500.00	15.13	0.00	0.33	11.62	1.08
2000.00	15.38	0.00	0.33	12.97	1.09
2300.00	15.32	0.00	0.27	13.15	1.06
2500.00	15.32	0.00	0.26	13.13	1.07

96 Station Number					
depth	NO3	NO2	NH4	Si	PO4
10.00	11.04	0.06	0.50	6.02	0.78
100.00	11.78	0.08	0.55	6.02	0.84
200.00	12.29	0.09	0.56	5.85	0.89
300.00	12.85	0.05	0.46	6.06	0.90
500.00	13.04	0.02	0.43	6.19	0.90
750.00	14.11	0.01	0.43	7.66	1.01
1000.00	14.45	0.00	0.38	8.85	1.04
1200.00	14.79	0.00	0.34	10.08	1.06
1500.00	15.11	0.00	0.34	11.43	1.09
2000.00	15.36	0.00	0.28	12.68	1.10
2300.00	15.32	0.00	0.25	12.78	1.11
2500.00	15.30	0.00	0.23	12.68	1.10

97 Station Number					
24.05.87	date				
04.45	time				
6.350	longitude				
75.120	latitude				
depth	NO3	NO2	NH4	Si	PO4
10.00	8.67	0.05	0.59	1.87	0.59
100.00	12.50	0.08	0.48	5.93	0.88
200.00	13.71	0.01	0.45	7.26	0.94
300.00	13.83	0.00	0.47	7.39	0.96
500.00	14.16	0.00	0.41	8.41	0.99
750.00	14.49	0.00	0.41	9.32	1.01
1000.00	14.79	0.00	0.35	10.41	1.04
1200.00	14.93	0.00	0.36	10.90	1.05
1500.00	15.10	0.00	0.38	11.65	1.06
2000.00	15.14	0.00	0.33	12.19	1.06
2300.00	15.13	0.00	0.30	12.32	1.06
2500.00	15.13	0.00	0.25	12.32	1.06

Nutrient Data (AWI - Chemical Oceanography)

98 Station Number					
depth	NO3	NO2	NH4	Si	PO4
10.00	7.62	0.06	0.77	0.70	0.49
100.00	12.68	0.06	0.54	6.01	0.88
200.00	13.79	0.01	0.48	6.95	0.94
300.00	14.00	0.00	0.50	7.46	0.97
500.00	14.39	0.00	0.44	8.46	0.99
750.00	14.40	0.00	0.42	9.16	1.00
1000.00	14.68	0.00	0.42	10.03	1.03
1200.00	14.91	0.00	0.43	10.82	1.04
1500.00	15.07	0.00	0.42	11.41	1.03
2000.00	15.11	0.00	0.39	11.98	1.04
2300.00	15.12	0.00	0.37	12.19	1.04
2500.00	15.10	0.00	0.35	12.15	1.05

99 Station Number					
depth	NO3	NO2	NH4	Si	PO4
10.00	7.95	0.06	0.61	0.76	0.52
100.00	10.65	0.05	0.63	3.28	0.77
200.00	12.21	0.02	0.31	5.45	0.85
300.00	13.36	0.00	0.33	6.40	0.92
500.00	14.08	0.00	0.31	7.88	0.96
750.00	14.47	0.00	0.33	8.91	0.99
1000.00	14.65	0.00	0.31	9.43	1.01
1200.00	14.95	0.00	0.33	10.36	1.03
1500.00	15.09	0.00	0.35	10.93	1.05
2000.00	15.14	0.00	0.31	11.47	1.05
2300.00	15.15	0.00	0.34	11.71	1.04
2500.00	15.20	0.00	0.33	11.84	1.04

101 Station Number					
depth	NO3	NO2	NH4	Si	PO4
1.00	9.50	0.05	0.41	3.71	0.69
5.00	9.57	0.05	0.36	3.77	0.68
9.00	9.70	0.05	0.34	3.86	0.69
15.00	9.93	0.05	0.29	4.27	0.71
23.00	10.16	0.05	0.27	4.57	0.73
35.00	10.53	0.05	0.27	4.85	0.72
50.00	11.14	0.05	0.28	5.10	0.76
75.00	12.43	0.07	0.29	5.49	0.85
100.00	12.22	0.07	0.34	5.47	0.84
150.00	12.92	0.04	0.23	5.76	0.92
200.00	13.31	0.01	0.24	6.34	0.93
300.00	13.78	0.00	0.28	7.26	0.98
500.00	13.83	0.00	0.24	7.73	1.00

Nutrient Data (AWI - Chemical Oceanography)

102		Station Number			
depth	NO3	NO2	NH4	Si	PO4
0.00	10.51	0.06	0.34	5.78	0.75
6.00	10.64	0.06	0.32	5.73	0.74
10.00	10.86	0.05	0.29	5.71	0.78
16.00	11.11	0.05	0.34	5.89	0.79
25.00	11.68	0.07	0.32	5.89	0.84
38.00	12.50	0.09	0.30	5.93	0.88
50.00	12.44	0.09	0.20	5.85	0.87
75.00	12.48	0.07	0.27	5.82	0.86
100.00	12.60	0.08	0.22	5.78	0.88
150.00	12.65	0.07	0.25	5.76	0.86
200.00	12.69	0.06	0.23	5.73	0.86
300.00	12.84	0.03	0.22	5.77	0.89
500.00	13.73	0.00	0.19	6.79	0.94

103		Station Number			
depth	NO3	NO2	NH4	Si	PO4
0.00	8.01	0.06	0.53	1.45	0.56
5.00	8.02	0.06	0.49	1.29	0.55
9.00	8.03	0.06	0.48	1.14	0.55
13.00	8.02	0.06	0.42	1.11	0.54
21.00	8.44	0.06	0.38	1.96	0.57
33.00	10.25	0.06	0.27	4.09	0.70
50.00	10.65	0.05	0.26	4.62	0.72
75.00	12.18	0.08	0.32	5.34	0.83
100.00	12.35	0.08	0.25	5.50	0.86
150.00	12.66	0.07	0.27	5.78	0.87
200.00	12.60	0.08	0.33	5.76	0.87
300.00	13.68	0.01	0.21	6.66	0.93
500.00	13.76	0.00	0.27	7.44	0.94

104		Station Number			
depth	NO3	NO2	NH4	Si	PO4
0.00	8.81	0.05	0.50	2.26	0.60
5.00	8.84	0.05	0.48	2.13	0.62
8.00	8.84	0.05	0.45	2.13	0.61
12.00	8.87	0.05	0.50	2.09	0.61
19.00	9.26	0.05	0.48	2.44	0.64
30.00	10.38	0.04	0.43	4.05	0.75
50.00	10.67	0.04	0.38	4.91	0.75
75.00	12.01	0.07	0.40	5.46	0.84
100.00	12.04	0.08	0.38	5.50	0.84
150.00	12.24	0.08	0.34	5.71	0.86
200.00	12.98	0.01	0.24	6.10	0.90
300.00	13.64	0.00	0.24	7.08	0.95
500.00	13.84	0.00	0.20	7.82	0.96



Nutrient Data (AWI - Chemical Oceanography)

105	Station Number				
depth	NO3	NO2	NH4	Si	PO4
0.00	7.68	0.06	0.63	0.96	0.57
6.00	7.75	0.06	0.58	0.90	0.57
9.00	7.80	0.06	0.58	1.01	0.57
15.00	8.05	0.06	0.63	1.10	0.58
23.00	8.37	0.05	0.51	1.31	0.60
35.00	9.12	0.05	0.51	1.88	0.65
50.00	9.69	0.05	0.58	2.14	0.70
75.00	10.86	0.07	0.44	4.10	0.79
100.00	11.96	0.09	0.34	5.17	0.85
150.00	13.36	0.01	0.21	6.35	0.93
200.00	13.42	0.01	0.24	6.80	0.96
300.00	13.65	0.00	0.34	7.26	0.98
500.00	14.41	0.00	0.21	8.53	1.02

106	Station Number				
depth	NO3	NO2	NH4	Si	PO4
5.00	8.86	0.05	0.47	2.86	0.65
10.00	8.86	0.05	0.53	2.74	0.62
20.00	8.87	0.05	0.60	2.65	0.61
30.00	9.31	0.05	0.64	3.07	0.67
40.00	10.24	0.05	0.66	3.47	0.74
50.00	11.40	0.06	0.76	4.42	0.82
75.00	12.06	0.08	0.65	5.18	0.86
100.00	12.41	0.08	0.55	5.50	0.89
150.00	12.91	0.05	0.47	5.94	0.89
200.00	13.61	0.01	0.42	6.63	0.95
300.00	13.92	0.00	0.39	7.28	0.94
500.00	14.33	0.00	0.27	8.31	1.01

107	Station Number				
depth	NO3	NO2	NH4	Si	PO4
0.00	8.83	0.04	0.54	2.70	0.63
5.00	8.86	0.04	0.57	2.48	0.64
9.00	8.86	0.04	0.58	2.44	0.64
15.00	8.90	0.04	0.54	2.45	0.66
23.00	9.16	0.04	0.46	2.60	0.67
35.00	10.19	0.04	0.51	3.45	0.74
50.00	10.36	0.03	0.56	3.59	0.73
75.00	11.59	0.05	0.66	4.72	0.83
100.00	12.21	0.06	0.65	5.30	0.87
150.00	13.10	0.02	0.58	5.99	0.92
200.00	13.43	0.00	0.57	6.53	0.95
300.00	13.74	0.01	0.53	7.19	0.97
500.00	13.90	0.01	0.49	8.05	0.99

Nutrient Data (AWI - Chemical Oceanography)

108	Station Number				
depth	NO3	NO2	NH4	Si	PO4
5.00	8.42	0.05	0.48	2.15	0.60
10.00	8.42	0.06	0.48	2.00	0.60
20.00	8.79	0.05	0.46	2.19	0.62
30.00	9.95	0.05	0.55	2.88	0.70
40.00	10.98	0.05	0.43	4.53	0.77
50.00	11.27	0.05	0.44	4.81	0.79
75.00	11.91	0.06	0.46	5.45	0.83
100.00	12.15	0.08	0.49	5.62	0.87
150.00	12.69	0.10	0.43	5.78	0.90
200.00	13.12	0.03	0.36	6.18	0.92
300.00	13.94	0.00	0.29	7.17	0.94
500.00	13.78	0.00	0.30	7.71	0.92

109	Station Number				
depth	NO3	NO2	NH4	Si	PO4
0.00	7.48	0.06	0.56	1.01	0.51
5.00	7.49	0.06	0.59	0.77	0.50
8.00	7.49	0.05	0.56	0.74	0.49
12.00	7.54	0.05	0.56	0.57	0.49
19.00	7.66	0.05	0.50	0.51	0.50
30.00	8.11	0.05	0.54	0.70	0.54
50.00	7.83	0.05	0.67	0.48	0.53
75.00	10.59	0.05	0.78	2.46	0.77
100.00	11.73	0.07	0.63	4.60	0.85
150.00	13.07	0.03	0.50	6.07	0.90
200.00	13.55	0.01	0.57	6.81	0.97
300.00	13.94	0.00	0.41	7.63	0.99
500.00	13.84	0.00	0.43	8.05	1.01

110	Station Number				
depth	NO3	NO2	NH4	Si	PO4
0.00	7.78	0.05	0.46	1.08	0.52
5.00	7.78	0.05	0.51	0.92	0.51
8.00	7.79	0.05	0.59	0.70	0.53
12.00	7.79	0.05	0.57	0.62	0.52
19.00	7.90	0.05	0.50	0.62	0.53
30.00	8.31	0.05	0.46	0.81	0.57
50.00	8.62	0.04	0.61	1.08	0.57
75.00	10.20	0.04	0.69	2.24	0.74
100.00	11.40	0.07	0.57	4.39	0.82
150.00	12.61	0.06	0.59	5.78	0.90
200.00	13.65	0.01	0.38	6.82	0.96
300.00	13.93	0.00	0.42	7.55	0.96
500.00	13.75	0.00	0.34	7.71	0.99

Nutrient Data (AWI - Chemical Oceanography)

111 Station Number					
depth	NO3	NO2	NH4	Si	PO4
5.00	7.95	0.05	0.79	1.44	0.55
20.00	8.10	0.04	0.86	1.40	0.56
30.00	8.10	0.05	0.85	1.24	0.56
40.00	9.16	0.04	1.14	1.87	0.67
50.00	9.71	0.04	0.93	2.18	0.71
75.00	10.07	0.04	0.92	2.43	0.74
100.00	12.62	0.08	0.44	5.67	0.90
150.00	13.48	0.01	0.45	6.65	0.96
200.00	13.74	0.01	0.43	7.07	0.98
300.00	13.83	0.00	0.35	7.46	0.99
500.00	13.85	0.00	0.30	7.86	0.99

113 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	10.12	0.04	0.77	4.49	0.76
12.00	10.13	0.03	0.79	4.49	0.77
21.00	10.13	0.03	0.74	4.50	0.77
34.00	10.11	0.03	0.70	4.42	0.78
53.00	10.43	0.03	0.62	4.64	0.77
75.00	10.92	0.02	0.59	4.71	0.82
81.00	10.86	0.03	0.55	4.43	0.83
100.00	11.13	0.03	0.54	5.01	0.85
150.00	11.91	0.03	0.43	5.75	0.85
200.00	12.77	0.01	0.29	6.31	0.90
300.00	13.69	0.00	0.24	7.35	0.97
500.00	14.01	0.00	0.23	8.14	1.00

115 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	8.90	0.04	0.44	2.57	0.61
9.00	8.90	0.04	0.46	2.61	0.61
16.00	8.90	0.04	0.56	2.60	0.61
26.00	8.91	0.04	0.70	2.60	0.61
40.00	9.06	0.04	0.58	2.68	0.62
62.00	9.65	0.04	0.58	2.81	0.65
75.00	11.09	0.05	0.32	4.27	0.75
100.00	12.11	0.04	0.32	5.73	0.81
150.00	12.49	0.01	0.28	6.08	0.83
200.00	12.94	0.00	0.36	6.65	0.87
300.00	13.69	0.00	0.44	7.67	0.91
500.00	14.12	0.00	0.28	8.59	0.94

Nutrient Data (AWI - Chemical Oceanography)

117 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	9.22	0.04	0.44	3.19	0.63
7.00	9.23	0.04	0.52	3.15	0.63
12.00	9.23	0.04	0.55	3.14	0.62
19.00	9.23	0.04	0.55	3.11	0.62
30.00	9.25	0.04	0.48	3.14	0.63
46.00	10.54	0.03	0.53	3.34	0.72
75.00	11.07	0.03	0.45	4.44	0.75
100.00	11.84	0.04	0.37	5.68	0.81
150.00	12.64	0.00	0.27	6.32	0.86
200.00	13.09	0.00	0.27	6.83	0.89
300.00	14.13	0.00	0.27	8.51	0.95
500.00	14.06	0.00	0.25	8.37	0.95

118 Station Number					
depth	NO3	NO2	NH4	Si	PO4
5.00	9.55	0.03	0.42	6.05	0.70
10.00	9.69	0.03	0.38	6.17	0.69
20.00	9.80	0.03	0.39	6.22	0.69
30.00	10.42	0.02	0.42	6.31	0.73
40.00	10.57	0.02	0.36	6.29	0.74
50.00	11.57	0.02	0.35	6.40	0.79
75.00	12.81	0.03	0.31	6.64	0.86
100.00	12.99	0.01	0.31	6.78	0.87
150.00	13.02	0.01	0.41	6.84	0.88
200.00	12.98	0.02	0.35	6.65	0.88
300.00	13.39	0.00	0.31	7.13	0.91
500.00	13.24	0.00	0.32	6.92	0.89

120 Station Number					
depth	NO3	NO2	NH4	Si	PO4
5.00	9.86	0.03	99.99	6.18	0.71
10.00	9.91	0.03	99.99	6.24	0.70
20.00	10.34	0.02	99.99	6.31	0.70
30.00	10.98	0.02	99.99	6.30	0.73
40.00	11.26	0.02	99.99	6.26	0.75
50.00	12.45	0.02	99.99	6.75	0.82
75.00	12.92	0.02	99.99	6.93	0.86
100.00	12.83	0.03	99.99	6.72	0.85
150.00	13.03	0.01	99.99	6.90	0.86
200.00	12.95	0.01	99.99	6.76	0.85
300.00	13.22	0.00	99.99	6.91	0.88
500.00	13.52	0.00	99.99	7.53	0.89

Nutrient Data (AWI - Chemical Oceanography)

122 Station Number					
depth	NO3	NO2	NH4	Si	PO4
5.00	9.61	0.06	0.36	6.11	0.68
10.00	10.37	0.08	0.41	6.25	0.71
20.00	10.87	0.07	0.55	6.32	0.73
30.00	11.94	0.06	0.39	6.74	0.79
50.00	12.80	0.06	0.37	7.02	0.85
75.00	12.86	0.06	0.41	7.00	0.85
100.00	12.85	0.05	0.38	6.91	0.86
200.00	13.03	0.03	0.34	7.00	0.87
300.00	13.08	0.02	0.37	6.97	0.87
500.00	13.58	0.01	0.38	7.75	0.91
750.00	14.18	0.01	0.41	8.62	0.95
1000.00	14.58	0.00	0.41	9.83	1.00

124 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	7.34	0.03	0.38	4.57	0.53
2.00	9.19	0.02	0.39	5.54	0.62
7.00	9.13	0.03	0.35	5.57	0.62
20.00	10.14	0.02	0.33	6.04	0.67
30.00	10.80	0.02	0.29	6.10	0.72
40.00	11.27	0.02	0.27	6.18	0.73
50.00	11.82	0.02	0.38	6.31	0.76
75.00	12.57	0.04	0.27	6.42	0.81
150.00	13.06	0.00	0.31	6.67	0.83
200.00	13.09	0.00	0.29	6.67	0.85
300.00	13.15	0.00	0.22	6.85	0.86
500.00	13.87	0.00	0.28	8.24	0.92

128 Station Number					
depth	NO3	NO2	NH4	Si	PO4
2.00	7.43	0.03	0.90	4.05	0.60
5.00	7.43	0.03	0.95	4.08	0.61
10.00	7.49	0.03	0.91	4.23	0.59
20.00	9.46	0.03	0.72	5.47	0.74
30.00	10.85	0.01	0.41	6.14	0.74
50.00	11.82	0.02	0.39	6.30	0.81
75.00	12.60	0.03	0.35	6.41	0.85
100.00	12.82	0.04	0.28	6.52	0.89
150.00	13.03	0.01	0.24	6.80	0.89
200.00	13.13	0.01	0.35	6.93	0.90
300.00	13.25	0.00	0.32	7.12	0.90
500.00	13.99	0.00	0.38	8.41	0.99

Nutrient Data (AWI - Chemical Oceanography)

130 Station Number					
depth	NO3	NO2	NH4	Si	PO4
2.00	6.88	0.02	0.45	7.51	0.65
5.00	6.91	0.02	0.44	7.49	0.64
10.00	7.10	0.02	0.45	7.28	0.64
20.00	7.76	0.02	0.36	6.65	0.65
30.00	8.16	0.02	0.38	6.31	0.67
50.00	9.42	0.01	0.34	6.53	0.70
75.00	11.02	0.00	0.37	7.87	0.79
100.00	11.76	0.00	0.33	7.52	0.82
150.00	12.79	0.00	0.36	7.66	0.87
200.00	12.67	0.01	0.35	6.48	0.85
300.00	12.59	0.01	0.33	6.17	0.85
500.00	13.50	0.00	0.44	8.86	1.00

132 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	7.44	0.02	0.41	7.07	0.66
11.00	7.83	0.02	0.39	6.68	0.66
20.00	7.93	0.01	0.39	6.51	0.66
31.00	7.96	0.01	0.40	6.18	0.65
49.00	8.82	0.01	0.30	5.91	0.67
76.00	10.38	0.01	0.33	6.74	0.73
100.00	10.64	0.01	0.38	6.45	0.75
150.00	12.26	0.01	0.28	7.92	0.84
200.00	12.89	0.00	0.31	7.95	0.89
300.00	13.15	0.00	0.26	7.78	0.89
350.00	13.27	0.00	0.27	7.95	0.89

133 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	7.82	0.02	0.44	5.07	0.60
11.00	8.46	0.02	0.57	5.01	0.63
18.00	9.02	0.03	0.43	5.07	0.68
29.00	10.09	0.02	0.41	5.75	0.76
46.00	11.56	0.01	0.35	7.80	0.85
70.00	12.30	0.02	0.37	7.26	0.87
85.00	12.70	0.01	0.33	7.72	0.89
100.00	12.67	0.02	0.37	7.15	0.89
150.00	12.81	0.02	0.44	6.62	0.89
200.00	12.70	0.02	0.39	6.38	0.87
300.00	12.75	0.01	0.41	6.62	0.89
500.00	12.85	0.02	0.32	6.44	0.88

Nutrient Data (AWI - Chemical Oceanography)

135 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	9.07	0.04	0.31	6.05	0.64
5.00	9.16	0.04	0.32	6.14	0.60
9.00	9.24	0.04	0.26	6.18	0.59
13.00	9.52	0.04	0.30	6.19	0.61
21.00	9.67	0.04	0.27	6.18	0.66
33.00	10.57	0.03	0.28	6.15	0.70
50.00	11.07	0.03	0.24	6.15	0.73
75.00	12.12	0.03	0.43	6.25	0.82
100.00	12.45	0.03	0.48	6.30	0.84
150.00	12.69	0.04	0.34	6.38	0.85
200.00	12.79	0.04	0.42	6.39	0.88
300.00	13.00	0.01	0.28	6.50	0.89
500.00	13.81	0.00	0.29	8.02	0.94

136 Station Number					
depth	NO3	NO2	NH4	Si	PO4
1.00	8.67	0.05	0.41	5.63	0.61
5.00	8.79	0.05	0.45	5.70	0.63
9.00	9.04	0.05	0.36	6.03	0.63
13.00	9.15	0.10	0.33	6.20	0.64
21.00	9.97	0.10	0.33	6.27	0.70
25.00	10.92	0.09	0.39	6.25	0.76
50.00	11.81	0.09	0.39	6.36	0.80
75.00	12.22	0.04	0.48	6.35	0.84
100.00	12.58	0.04	0.43	6.55	0.85
150.00	12.94	0.03	0.55	6.79	0.88
200.00	12.79	0.02	0.52	6.63	0.84
300.00	13.19	0.01	0.36	7.32	0.89
500.00	13.50	0.00	0.64	8.57	0.95

137 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	9.51	0.04	0.62	6.19	0.67
8.00	9.76	0.03	0.63	6.29	0.68
14.00	9.98	0.03	0.63	6.31	0.69
22.00	10.08	0.03	0.62	6.31	0.69
35.00	11.05	0.03	0.65	6.30	0.76
54.00	12.53	0.03	0.57	6.60	0.85
100.00	12.99	0.03	0.68	6.87	0.87
150.00	13.05	0.01	0.53	6.85	0.87
200.00	13.11	0.00	0.54	6.92	0.88
300.00	13.14	0.00	0.50	6.93	0.88
500.00	13.94	0.00	0.55	8.32	0.93

Nutrient Data (AWI - Chemical Oceanography)

138 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	9.36	0.04	0.65	6.18	0.66
6.00	9.28	0.04	0.65	6.18	0.67
10.00	9.22	0.04	0.64	6.17	0.65
16.00	9.42	0.04	0.54	6.32	0.65
25.00	10.69	0.03	0.48	6.38	0.72
38.00	12.50	0.03	0.56	6.38	0.86
100.00	12.71	0.04	0.43	6.54	0.86
150.00	13.00	0.01	0.44	6.67	0.89
200.00	13.03	0.01	0.48	6.63	0.89
300.00	13.06	0.00	0.31	6.48	0.89
500.00	13.62	0.00	0.28	7.58	0.95

139 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	9.42	0.04	0.42	6.18	0.66
5.00	9.81	0.03	0.40	6.40	0.71
9.00	9.83	0.03	0.44	6.52	0.71
15.00	10.13	0.03	0.42	6.66	0.73
23.00	10.64	0.03	0.41	6.58	0.75
35.00	12.28	0.03	0.43	6.63	0.85
50.00	12.17	0.02	0.40	6.61	0.84
75.00	12.52	0.05	0.40	6.42	0.89
100.00	12.43	0.05	0.42	6.29	0.86
150.00	12.55	0.04	0.42	6.33	0.86
200.00	12.80	0.03	0.44	6.65	0.87
300.00	13.01	0.01	0.31	6.58	0.87
500.00	13.52	0.00	0.37	7.41	0.91

140 Station Number					
depth	NO3	NO2	NH4	Si	PO4
2.00	8.90	0.05	0.48	5.74	0.63
5.00	8.39	0.05	0.50	5.63	0.59
10.00	8.53	0.05	0.47	5.59	0.59
20.00	8.66	0.05	0.53	5.58	0.63
30.00	10.53	0.03	0.49	5.50	0.72
50.00	11.97	0.03	0.57	5.93	0.80
75.00	12.66	0.04	0.49	6.30	0.84
100.00	12.52	0.04	0.52	6.12	0.83
150.00	12.57	0.05	0.48	6.18	0.84
200.00	12.79	0.05	0.37	6.33	0.84
300.00	13.24	0.00	0.35	6.73	0.88
500.00	13.99	0.00	0.33	8.07	0.93



Nutrient Data (AWI - Chemical Oceanography)

141 Station Number					
depth	NO3	NO2	NH4	Si	PO4
2.00	9.22	0.04	0.58	5.91	0.68
5.00	9.56	0.03	0.63	5.81	0.70
10.00	9.72	0.03	0.55	5.85	0.71
20.00	10.62	0.03	0.48	6.44	0.74
30.00	10.87	0.03	0.46	6.22	0.76
50.00	12.67	0.03	0.44	6.68	0.88
75.00	12.80	0.03	0.45	6.50	0.89
100.00	12.65	0.03	0.46	6.52	0.89
150.00	12.64	0.04	0.42	6.35	0.88
200.00	12.61	0.04	0.42	6.22	0.88
300.00	12.96	0.03	0.33	6.57	0.89
500.00	13.31	0.00	0.33	7.01	0.92

142 Station Number					
depth	NO3	NO2	NH4	Si	PO4
2.00	8.99	0.05	0.42	4.99	0.66
5.00	8.98	0.05	0.49	4.97	0.66
10.00	8.99	0.07	0.42	4.90	0.66
20.00	9.36	0.04	0.57	4.45	0.68
30.00	10.49	0.05	0.69	4.28	0.74
50.00	10.99	0.06	0.78	4.68	0.80
75.00	12.08	0.05	0.54	5.86	0.84
100.00	12.55	0.06	0.52	6.18	0.89
150.00	12.48	0.06	0.50	6.21	0.88
200.00	12.62	0.07	0.46	6.34	0.88
300.00	12.94	0.05	0.46	6.51	0.89
500.00	13.95	0.04	0.42	8.02	0.96

143 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	8.89	0.05	0.37	4.69	0.65
5.00	8.91	0.05	0.46	4.41	0.64
8.00	8.86	0.05	0.45	4.42	0.65
12.00	8.91	0.05	0.45	4.36	0.65
19.00	9.75	0.04	0.52	4.15	0.71
30.00	10.12	0.03	0.47	3.96	0.73
50.00	10.28	0.03	0.60	3.61	0.73
75.00	11.82	0.05	0.60	5.23	0.84
100.00	12.58	0.05	0.45	6.04	0.88
150.00	12.70	0.06	0.44	6.12	0.89
200.00	12.77	0.04	0.45	6.28	0.89
300.00	13.27	0.02	0.39	6.72	0.91
500.00	13.95	0.00	0.33	7.80	0.98

Nutrient Data (AWI - Chemical Oceanography)

144	Station Number				
depth	NO3	NO2	NH4	Si	PO4
2.00	5.30	0.04	1.19	2.65	0.48
5.00	5.94	0.04	1.24	2.92	0.52
10.00	7.91	0.04	1.04	3.95	0.62
20.00	12.15	0.04	0.60	6.29	0.87
30.00	12.63	0.04	0.50	6.55	0.89
50.00	12.70	0.04	0.52	6.57	0.89
75.00	12.72	0.03	0.46	6.33	0.89
100.00	12.84	0.02	0.51	6.42	0.89
150.00	12.95	0.01	0.43	6.47	0.90
200.00	13.08	0.01	0.46	6.65	0.91
300.00	12.81	0.04	0.46	6.38	0.90
500.00	13.36	0.00	0.41	7.01	0.94

145	Station Number				
depth	NO3	NO2	NH4	Si	PO4
2.00	7.47	0.05	0.58	4.96	0.60
5.00	7.67	0.05	0.55	5.03	0.60
10.00	7.90	0.05	0.45	5.17	0.61
20.00	9.85	0.04	0.47	5.76	0.73
30.00	11.29	0.04	0.44	6.16	0.82
50.00	11.66	0.04	0.47	6.25	0.84
75.00	11.94	0.04	0.43	6.24	0.84
100.00	12.24	0.04	0.48	6.31	0.88
150.00	12.53	0.04	0.37	6.37	0.89
200.00	12.91	0.03	0.34	6.51	0.90
300.00	12.93	0.04	0.34	6.43	0.90
500.00	13.11	0.01	0.30	6.65	0.94

146	Station Number				
depth	NO3	NO2	NH4	Si	PO4
2.00	9.60	0.04	0.48	6.18	0.72
5.00	9.63	0.04	0.48	6.24	0.71
10.00	10.52	0.03	0.43	6.34	0.75
20.00	10.88	0.03	0.39	6.38	0.76
30.00	10.36	0.03	0.45	5.91	0.75
50.00	9.64	0.04	0.67	5.39	0.72
75.00	11.56	0.04	0.52	5.79	0.82
100.00	12.23	0.05	0.51	6.01	0.87
150.00	12.60	0.05	0.43	6.11	0.89
200.00	12.64	0.05	0.37	6.15	0.89
300.00	12.94	0.04	0.38	6.42	0.91
500.00	13.64	0.00	0.47	7.37	0.97

Nutrient Data (AWI - Chemical Oceanography)

147 Station Number					
depth	NO3	NO2	NH4	Si	PO4
2.00	9.49	0.04	0.28	6.07	0.72
5.00	9.30	0.04	0.30	6.08	0.69
10.00	8.69	0.04	0.30	6.15	0.64
20.00	8.64	0.04	0.34	6.16	0.68
30.00	10.25	0.03	0.39	6.18	0.79
50.00	12.38	0.03	0.34	6.45	0.88
75.00	12.70	0.04	0.39	6.48	0.90
100.00	12.78	0.04	0.39	6.52	0.89
150.00	12.98	0.03	0.31	6.68	0.92
200.00	12.95	0.03	0.24	6.39	0.91
300.00	13.11	0.00	0.20	6.64	0.92
500.00	13.83	0.00	0.28	7.87	0.98

148 Station Number					
depth	NO3	NO2	NH4	Si	PO4
2.00	7.57	0.01	0.58	5.30	0.64
5.00	7.66	0.01	0.57	5.20	0.64
10.00	7.87	0.01	0.53	5.10	0.65
20.00	8.67	0.01	0.67	4.62	0.67
30.00	9.20	0.01	0.64	4.76	0.69
50.00	8.76	0.01	0.67	4.93	0.67
75.00	11.15	0.01	0.39	6.41	0.79
100.00	11.73	0.02	0.46	6.39	0.84
150.00	12.18	0.02	0.39	6.31	0.86
200.00	12.38	0.03	0.48	6.28	0.86
300.00	12.62	0.04	0.35	6.35	0.87
500.00	13.31	0.00	0.25	7.19	0.92

149 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	7.58	0.02	0.59	5.98	0.66
12.00	8.21	0.02	0.76	5.18	0.68
21.00	8.74	0.03	0.56	5.18	0.70
34.00	9.32	0.03	0.48	5.27	0.72
53.00	10.29	0.03	0.30	5.72	0.76
81.00	11.30	0.02	0.34	6.55	0.83
100.00	11.98	0.01	0.35	6.38	0.86
150.00	12.88	0.00	0.30	7.45	0.92
200.00	13.13	0.00	0.30	7.61	0.93
300.00	12.51	0.00	0.38	6.55	0.89
500.00	12.84	0.00	0.27	6.43	0.90

Nutrient Data (AWI - Chemical Oceanography)

150	Station Number				
depth	NO3	NO2	NH4	Si	PO4
0.00	5.01	0.04	1.19	3.39	0.50
6.00	6.87	0.04	0.76	4.49	0.57
10.00	7.81	0.04	0.59	5.07	0.73
16.00	8.11	0.04	0.41	5.27	0.66
25.00	9.16	0.04	0.27	6.18	0.71
38.00	9.96	0.03	0.30	6.31	0.73
50.00	10.16	0.03	0.22	6.46	0.73
75.00	11.90	0.03	0.22	6.39	0.85
100.00	12.64	0.03	0.23	6.43	0.89
150.00	12.80	0.03	0.24	6.54	0.91
200.00	12.85	0.03	0.31	6.45	0.92
300.00	13.21	0.00	0.17	6.82	0.93
500.00	13.52	0.00	0.16	7.85	0.98

151	Station Number				
depth	NO3	NO2	NH4	Si	PO4
0.00	9.23	0.04	0.39	6.17	0.70
7.00	9.06	0.04	0.36	6.18	0.68
11.00	9.07	0.04	0.38	6.18	0.68
18.00	9.54	0.04	0.33	6.23	0.71
28.00	9.64	0.04	0.35	6.25	0.72
43.00	11.23	0.03	0.34	6.34	0.80
75.00	12.53	0.04	0.37	6.36	0.89
100.00	12.65	0.04	0.39	6.38	0.89
150.00	12.85	0.04	0.31	6.43	0.89
200.00	12.78	0.04	0.30	6.38	0.89
300.00	13.09	0.01	0.25	6.61	0.91
500.00	13.40	0.00	0.24	7.06	0.93

152	Station Number				
depth	NO3	NO2	NH4	Si	PO4
0.00	5.27	0.05	0.80	3.10	0.46
5.00	8.70	0.04	0.40	5.40	0.65
8.00	9.59	0.04	0.33	5.89	0.71
12.00	9.88	0.03	0.32	5.97	0.73
19.00	9.82	0.04	0.40	5.63	0.73
30.00	10.20	0.04	0.43	5.65	0.75
50.00	10.16	0.04	0.40	5.08	0.73
75.00	12.13	0.04	0.40	6.13	0.86
100.00	12.21	0.04	0.37	6.11	0.86
150.00	12.55	0.04	0.28	6.23	0.89
200.00	12.88	0.03	0.20	6.44	0.91
300.00	12.99	0.03	0.20	6.39	0.91
500.00	13.51	0.00	0.23	7.09	0.95

Nutrient Data (AWI - Chemical Oceanography)

153 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	3.95	0.05	1.10	2.42	0.43
4.00	4.56	0.05	0.93	2.78	0.44
6.00	5.27	0.05	0.77	3.11	0.49
10.00	6.24	0.05	0.61	3.68	0.52
16.00	7.31	0.05	0.51	4.17	0.57
24.00	9.16	0.04	0.53	4.68	0.68
50.00	9.35	0.04	0.60	4.49	0.70
75.00	11.62	0.04	0.49	5.95	0.82
100.00	12.14	0.04	0.35	5.97	0.84
150.00	12.86	0.04	0.23	6.22	0.90
200.00	13.01	0.04	0.30	6.44	0.92
300.00	12.93	0.06	0.24	6.34	0.91
500.00	13.50	0.00	0.47	7.06	0.94

154 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	7.21	0.06	0.66	4.72	0.61
3.00	7.30	0.06	0.61	4.72	0.61
6.00	7.31	0.06	0.61	4.77	0.61
9.00	7.67	0.06	0.49	4.73	0.62
14.00	7.75	0.06	0.38	4.68	0.62
22.00	8.90	0.05	0.39	4.75	0.68
50.00	9.89	0.04	0.53	4.55	0.73
75.00	12.06	0.04	0.59	6.00	0.87
100.00	11.57	0.05	0.65	5.71	0.85
150.00	12.63	0.05	0.38	6.15	0.89
200.00	12.72	0.05	0.35	6.24	0.89
300.00	13.01	0.04	0.29	6.40	0.91
500.00	13.36	0.00	0.27	6.91	0.94

155 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	1.29	0.05	1.66	2.85	0.30
3.00	1.03	0.05	1.16	2.14	0.24
5.00	1.10	0.05	0.90	2.06	0.23
8.00	1.08	0.05	0.99	2.06	0.24
12.00	1.21	0.05	1.10	2.43	0.25
19.00	4.44	0.06	0.66	5.39	0.44
75.00	12.23	0.04	0.46	6.16	0.88
100.00	12.61	0.04	0.41	6.24	0.89
150.00	13.02	0.02	0.33	6.58	0.91
200.00	12.82	0.05	0.46	6.31	0.93
300.00	13.10	0.02	0.24	6.50	0.92
500.00	13.93	0.00	0.63	7.71	1.02

Nutrient Data (AWI - Chemical Oceanography)

156 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	8.03	0.05	0.31	5.98	0.62
5.00	7.76	0.05	0.33	5.82	0.61
9.00	7.71	0.05	0.30	5.76	0.60
13.00	10.24	0.04	0.31	6.51	0.74
21.00	11.39	0.03	0.33	6.71	0.81
33.00	12.66	0.03	0.33	6.92	0.88
50.00	11.66	0.04	0.49	6.23	0.83
75.00	12.74	0.03	0.31	6.65	0.89
100.00	12.68	0.04	0.38	6.52	0.89
150.00	12.49	0.05	0.35	6.11	0.87
200.00	12.81	0.06	0.32	6.32	0.88
300.00	13.00	0.04	0.20	6.50	0.89
500.00	14.09	0.00	0.21	8.08	0.98

157 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	4.63	0.08	1.07	4.95	0.44
4.00	4.69	0.08	1.14	4.98	0.46
7.00	5.08	0.08	1.05	5.02	0.48
11.00	5.49	0.08	0.99	5.03	0.50
18.00	6.24	0.08	1.03	5.22	0.53
27.00	7.43	0.08	1.09	5.35	0.60
50.00	10.17	0.07	0.81	5.78	0.73
75.00	10.96	0.06	0.88	5.93	0.81
100.00	12.78	0.04	0.31	6.24	0.89
150.00	11.55	0.06	0.79	6.05	0.84
200.00	12.78	0.04	0.32	6.25	0.88
300.00	12.82	0.04	0.31	6.30	0.88
500.00	13.33	0.00	0.25	6.94	0.89

158 Station Number					
depth	NO3	NO2	NH4	Si	PO4
2.00	8.02	0.05	0.44	5.09	0.63
5.00	8.70	0.04	0.38	5.37	0.67
10.00	9.03	0.04	0.37	5.48	0.69
20.00	10.95	0.04	0.29	5.99	0.79
30.00	11.71	0.04	0.44	6.18	99.99
50.00	12.48	0.04	0.25	6.24	0.88
75.00	12.72	0.04	0.22	6.28	0.89
100.00	12.94	0.04	0.20	6.43	0.90
150.00	12.95	0.04	0.21	6.38	0.90
200.00	13.11	0.02	0.15	6.59	0.91
300.00	13.18	0.01	0.18	6.52	0.91
500.00	14.04	0.00	0.17	7.84	0.99

Nutrient Data (AWI - Chemical Oceanography)

159 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	3.32	0.04	1.20	2.40	0.41
5.00	5.77	0.03	0.58	3.32	0.49
10.00	3.68	0.04	0.75	2.58	0.41
15.00	8.97	0.03	0.34	4.88	0.67
20.00	8.65	0.03	0.38	4.49	0.65
30.00	12.36	0.03	0.30	6.87	0.87
75.00	12.47	0.04	0.34	6.43	0.89
100.00	12.74	0.04	0.19	6.48	0.90
150.00	12.72	0.04	0.24	6.39	0.89
200.00	12.85	0.04	0.22	6.52	0.89
300.00	13.03	0.03	0.18	6.69	0.91
500.00	13.30	0.00	0.21	7.09	0.91

160 Station Number					
depth	NO3	NO2	NH4	Si	PO4
2.00	4.31	0.05	0.73	2.87	0.42
5.00	5.19	0.05	0.59	3.44	0.47
10.00	6.48	0.05	0.66	4.35	0.55
20.00	6.94	0.05	0.63	4.61	0.58
30.00	10.36	0.03	0.45	5.78	0.78
50.00	11.77	0.03	0.37	6.29	0.85
75.00	11.88	0.04	0.46	6.27	0.86
100.00	12.55	0.04	0.22	6.37	0.89
150.00	12.89	0.00	0.24	6.30	0.90
200.00	12.97	0.01	0.24	6.31	0.90
300.00	12.82	0.05	0.21	6.14	0.89
500.00	13.05	0.02	0.18	6.34	0.91

161 Station Number					
depth	NO3	NO2	NH4	Si	PO4
2.00	1.09	0.03	1.54	0.83	0.28
5.00	1.36	0.04	1.32	0.84	0.28
10.00	1.71	0.03	1.73	1.16	0.32
20.00	6.61	0.04	1.51	2.99	0.58
30.00	9.75	0.03	0.88	5.03	0.72
50.00	12.96	0.01	0.25	7.33	0.89
75.00	12.45	0.03	0.43	6.65	0.88
100.00	11.96	0.05	0.44	6.25	0.84
150.00	11.95	0.07	0.63	6.08	0.85
200.00	12.50	0.07	0.34	6.05	0.87
300.00	12.69	0.06	0.31	6.14	0.88
500.00	13.19	0.01	0.21	6.37	0.89

Nutrient Data (AWI - Chemical Oceanography)

163 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	5.81	0.00	0.22	7.80	0.64
11.00	7.62	0.00	0.39	9.11	0.80
18.00	8.41	0.00	0.42	9.48	0.83
29.00	8.62	0.01	0.31	9.44	0.82
46.00	8.58	0.02	0.27	5.81	0.70
70.00	10.52	0.00	0.46	7.66	0.80
85.00	11.07	0.00	0.52	7.19	0.84
100.00	11.34	0.00	0.44	6.67	0.84
150.00	12.77	0.00	0.28	7.14	0.90
200.00	13.10	0.00	0.24	6.90	0.91
300.00	12.87	0.00	0.23	6.04	0.90
500.00	12.82	0.00	0.21	5.92	0.91

164 Station Number					
depth	NO3	NO2	NH4	Si	PO4
2.00	2.14	0.03	0.69	1.97	0.31
5.00	2.16	0.03	0.72	1.67	0.30
10.00	2.32	0.03	0.75	1.05	0.30
20.00	0.84	0.01	0.94	0.24	0.24
30.00	3.37	0.02	1.47	1.41	0.40
50.00	9.50	0.03	0.76	4.38	0.71
100.00	12.81	0.02	0.25	7.08	0.88
150.00	12.87	0.03	0.29	6.99	0.89
200.00	12.74	0.05	0.26	6.20	0.88
300.00	12.95	0.03	0.28	6.33	0.89
500.00	13.28	0.01	0.37	6.91	0.91

165 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	1.88	0.03	1.35	1.66	0.35
5.00	2.08	0.03	1.39	1.81	0.35
10.00	1.81	0.03	1.38	1.71	0.32
20.00	1.87	0.04	1.46	1.45	0.33
40.00	10.21	0.03	0.82	5.09	0.75
50.00	11.78	0.03	0.50	6.35	0.84
60.00	12.53	0.02	0.42	7.19	0.89
70.00	12.61	0.02	0.40	6.92	0.89
80.00	12.73	0.02	0.35	7.13	0.89



Nutrient Data (AWI - Chemical Oceanography)

166	Station Number				
depth	NO3	NO2	NH4	Si	PO4
0.00	1.52	0.03	1.84	1.34	0.33
5.00	4.08	0.03	1.36	2.17	0.42
9.00	6.01	0.03	1.25	2.64	0.57
18.00	7.50	0.03	1.13	3.54	0.62
23.00	10.56	0.03	0.67	5.53	0.80
36.00	12.57	0.03	0.26	7.00	0.89
50.00	12.54	0.03	0.24	7.00	0.88
75.00	12.85	0.02	0.24	7.70	0.93
100.00	12.66	0.03	0.29	7.26	0.89
150.00	12.83	0.04	0.26	6.47	0.88
200.00	12.90	0.01	0.22	6.29	0.88
300.00	13.00	0.00	0.21	6.20	0.89
500.00	13.21	0.01	0.23	6.65	0.90

167	Station Number				
depth	NO3	NO2	NH4	Si	PO4
0.00	2.68	0.02	1.53	1.49	0.36
6.00	3.93	0.03	1.39	2.06	0.42
10.00	7.56	0.03	0.93	3.87	0.62
16.00	10.95	0.03	0.36	5.95	0.79
25.00	11.14	0.03	0.41	5.86	0.80
38.00	11.59	0.03	0.43	6.11	0.81
75.00	11.89	0.04	0.40	6.25	0.82
100.00	12.50	0.04	0.28	6.38	0.87
150.00	12.79	0.02	0.27	6.72	0.89
200.00	13.33	0.00	0.21	7.46	0.93
300.00	13.09	0.01	0.25	6.63	0.93
500.00	13.10	0.01	0.30	6.44	0.91

168	Station Number				
depth	NO3	NO2	NH4	Si	PO4
0.00	3.14	0.03	1.44	2.02	0.41
6.00	3.11	0.04	1.42	1.97	0.40
10.00	3.27	0.04	1.43	1.86	0.40
16.00	3.98	0.04	1.31	1.99	0.42
25.00	6.20	0.04	1.23	3.09	0.55
38.00	9.34	0.04	0.81	5.12	0.72
50.00	11.86	0.04	0.44	6.30	0.84
75.00	12.36	0.03	0.36	6.99	0.88
100.00	12.72	0.03	0.33	6.98	0.89
150.00	12.42	0.05	0.37	6.52	0.87
200.00	12.80	0.03	0.29	6.71	0.89
300.00	13.21	0.01	0.23	7.11	0.92
500.00	13.41	0.00	0.20	7.75	0.96

Nutrient Data (AWI - Chemical Oceanography)

169 Station Number					
depth	NO3	NO2	NH4	Si	PO4
2.00	2.88	0.03	0.99	1.91	0.34
5.00	1.67	0.03	0.96	1.11	0.27
10.00	4.09	0.04	0.87	2.40	0.41
20.00	7.98	0.05	0.89	5.24	0.65
30.00	9.78	0.04	0.71	5.71	0.72
50.00	12.01	0.04	0.53	6.69	0.88
75.00	13.28	0.02	0.25	7.75	0.93
100.00	12.74	0.02	0.26	6.99	0.89
150.00	12.80	0.04	0.21	6.27	0.87
200.00	12.77	0.03	0.23	6.15	0.86
300.00	12.95	0.02	0.22	6.23	0.88
500.00	13.03	0.02	0.16	6.25	0.90

170 Station Number					
depth	NO3	NO2	NH4	Si	PO4
2.00	3.17	0.05	0.95	2.23	0.38
5.00	3.54	0.05	0.91	2.56	0.38
10.00	3.55	0.05	0.79	2.56	0.38
20.00	8.40	0.05	0.80	5.56	0.66
30.00	6.01	0.06	1.35	5.72	0.57
50.00	9.14	0.05	1.10	5.99	0.72
75.00	11.47	0.05	0.63	6.17	0.82
100.00	12.00	0.05	0.57	6.18	0.85
150.00	12.87	0.05	0.29	6.31	0.89
200.00	12.78	0.04	0.33	6.23	0.89
300.00	13.05	0.03	0.29	6.43	0.90
500.00	13.26	0.00	0.26	6.72	0.91

171 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	5.96	0.08	0.89	3.33	0.62
5.00	7.48	0.10	0.81	4.00	0.64
8.00	8.80	0.03	0.71	4.54	0.72
12.00	11.47	0.02	0.59	5.78	0.88
19.00	12.53	0.02	0.42	6.50	0.89
30.00	12.96	0.02	0.29	6.79	0.91
50.00	12.68	0.03	0.50	6.67	0.94
75.00	12.92	0.02	0.39	6.61	0.92
100.00	12.95	0.00	0.23	6.47	0.91
200.00	12.87	0.03	0.29	6.37	0.92
300.00	13.00	0.04	0.25	6.40	0.91
500.00	12.98	0.04	0.25	6.39	0.90

Nutrient Data (AWI - Chemical Oceanography)

172 Station Number					
depth	NO3	NO2	NH4	Si	PO4
2.00	4.93	0.06	0.90	3.67	0.47
5.00	5.36	0.06	0.88	3.83	0.50
10.00	5.96	0.06	0.87	4.14	0.54
20.00	8.45	0.05	0.94	5.25	0.69
30.00	8.77	0.05	0.88	5.27	0.70
50.00	9.48	0.04	0.82	5.37	0.74
75.00	12.11	0.05	0.51	5.99	0.88
100.00	12.78	0.05	0.33	6.16	0.90
150.00	12.86	0.06	0.53	6.17	0.91
200.00	12.86	0.06	0.34	6.20	0.93
300.00	13.15	0.02	0.26	6.47	0.94
500.00	13.42	0.00	0.23	6.93	0.95

173 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	7.12	0.07	0.90	5.25	0.57
5.00	7.33	0.07	0.92	5.24	0.60
8.00	7.54	0.07	0.90	5.23	0.60
12.00	8.13	0.07	0.85	5.33	0.64
19.00	8.96	0.06	0.85	5.53	0.69
30.00	10.75	0.07	0.75	5.81	0.78
50.00	10.77	0.06	0.80	5.78	0.80
75.00	12.18	0.06	0.51	6.08	0.86
100.00	12.51	0.06	0.39	6.04	0.88
150.00	13.00	0.03	0.36	6.15	0.92
200.00	13.03	0.03	0.34	6.30	0.94
300.00	12.92	0.05	0.30	6.27	0.91
500.00	13.23	0.00	0.29	6.62	0.97

174 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	5.54	0.00	0.31	6.90	0.58
2.00	5.75	0.00	0.34	6.99	0.57
10.00	6.61	0.00	0.37	7.30	0.62
21.00	7.81	0.01	0.33	5.49	0.63
30.00	7.80	0.01	0.59	4.85	0.61
34.00	7.97	0.01	0.65	4.15	0.64
50.00	7.59	0.01	1.08	3.63	0.60
53.00	8.76	0.03	1.05	4.13	0.68
75.00	10.48	0.03	0.59	5.30	0.73
81.00	10.71	0.03	0.66	5.50	0.77
100.00	11.50	0.02	0.36	5.93	0.77
300.00	12.19	0.00	0.23	5.84	0.80
500.00	12.50	0.00	0.38	6.15	0.89
750.00	12.92	0.00	0.18	7.95	0.88
1000.00	13.29	0.00	0.16	8.93	0.90
1250.00	13.59	0.00	0.19	9.73	0.93
1500.00	13.93	0.00	0.19	10.50	0.96

Nutrient Data (AWI - Chemical Oceanography)

176 Station Number					
depth	NO3	NO2	NH4	Si	PO4
2.00	5.61	0.02	0.56	5.52	0.55
5.00	6.40	0.02	0.70	4.90	0.57
10.00	8.16	0.03	0.70	4.26	0.62
20.00	8.64	0.03	0.62	4.73	0.66
30.00	9.05	0.04	0.65	4.81	0.67
50.00	10.86	0.01	0.37	6.73	0.75
75.00	11.71	0.02	0.44	5.98	0.77
100.00	11.87	0.04	0.35	6.04	0.80
150.00	12.30	0.03	0.24	6.39	0.82
200.00	12.09	0.02	0.25	5.86	0.80
300.00	12.19	0.01	0.21	5.96	0.81
500.00	12.44	0.02	0.24	6.26	0.84

177 Station Number					
depth	NO3	NO2	NH4	Si	PO4
0.00	3.59	0.03	1.06	3.31	0.41
7.00	5.01	0.03	1.26	3.36	0.48
10.00	6.61	0.03	1.26	3.33	0.55
11.00	6.38	0.03	1.24	3.60	0.55
18.00	8.01	0.03	0.94	4.15	0.61
28.00	9.09	0.04	0.77	4.80	0.68
43.00	9.21	0.03	0.98	5.24	0.68
50.00	10.14	0.04	0.88	5.37	0.73
75.00	11.89	0.04	0.34	6.18	0.80
100.00	11.88	0.03	0.35	6.20	0.80
300.00	12.23	0.01	0.35	5.94	0.82
500.00	12.45	0.01	0.35	6.33	0.85
750.00	12.57	0.01	0.28	6.47	0.86
1000.00	13.72	0.00	0.32	8.61	0.92
1250.00	14.10	0.00	0.28	9.96	0.95
1500.00	14.35	0.00	0.29	11.01	0.97
1750.00	14.58	0.00	0.25	11.71	0.97
2000.00	14.58	0.00	0.24	11.87	0.99

Nutrient Data (AWI - Chemical Oceanography)

178	Station Number				
depth	NO3	NO2	NH4	Si	PO4
0.00	2.93	0.04	0.76	1.99	0.33
4.00	8.24	0.04	0.85	4.58	0.63
7.00	9.96	0.04	0.71	5.44	0.73
11.00	10.89	0.04	0.54	5.92	0.75
18.00	12.02	0.03	0.45	6.29	0.83
27.00	12.08	0.03	0.33	6.26	0.82
50.00	11.54	0.04	0.53	6.05	0.80
75.00	11.74	0.05	0.45	6.02	0.81
100.00	11.95	0.06	0.30	5.98	0.82
200.00	12.33	0.02	0.28	6.18	0.83
300.00	12.41	0.02	0.31	6.14	0.85
500.00	12.86	0.00	0.31	7.19	0.89

179	Station Number				
depth	NO3	NO2	NH4	Si	PO4
0.00	2.67	0.05	1.04	2.14	0.35
4.00	3.94	0.05	0.82	2.82	0.40
7.00	5.69	0.05	0.50	3.67	0.47
10.00	6.33	0.05	0.88	4.05	0.52
18.00	7.36	0.04	0.79	4.25	0.57
27.00	9.33	0.05	0.97	5.71	0.69
50.00	10.92	0.04	0.76	5.98	0.74
75.00	11.50	0.05	0.52	5.95	0.77
100.00	11.93	0.05	0.37	6.03	0.79
300.00	12.17	0.06	0.37	6.00	0.83
500.00	12.69	0.00	0.31	6.71	0.85
750.00	13.61	0.00	0.32	8.47	0.91
1000.00	13.97	0.00	0.24	9.98	0.95
1250.00	14.22	0.00	0.18	10.22	0.94
1500.00	14.47	0.00	0.24	11.32	0.97
1750.00	14.54	0.00	0.20	11.91	0.96
2000.00	14.53	0.00	0.28	12.00	0.99

Surface particle size distribution and fluorescence  
(M. Kahru, S. Nommann, J. Sildam)

Automated measurements of the concentration of 12 size classes of particles with the equivalent spherical diameter from 1 to 1000 micrometers (Table 1), as well as chlorophyll *a* in vivo fluorescence were made in the "underway" (quasi-continuous) sampling mode from water that was continuously pumped into the lab from an inlet near the ship's bow at a depth of 9 m. The instrumentation package consisted of an on-line particle size analyzer Hiac-Royco PC-320, a Turner Designs flow-through fluorometer, and an IBM PC-XT compatible computer/data logger. The corresponding water temperature data were retrieved from the INDAS data files. Measurements were not made in dense ice due to the contamination problem by snow and ice particles. However, short, spike-like pulses from snow and ice particles of individual ice floes cannot be totally excluded from the data at the present stage.

The total length of the sections measured was more than 1570 nm. Inventories of the data collected are presented in Table 2. The designation of the transects follows the scheme accepted for the leg; however, new numbers (or letters) had to be used for those transects where no measurements were undertaken by other groups.

The distributions on most of the sections for the representative channels, fluorescence, and temperature are shown on Figures 1 - 22. They are followed by distribution maps of particle concentration in the size range 28 - 72  $\mu\text{m}$  (the sum of channels 7 and 8) and temperature on the 2 densely covered areas.

Our data (both the part presented here and the one processed later) are available either in the form of graphs or numerical data on floppy disks (supplied by the requester) (in ASCII or Lotus 1-2-3 worksheet format).

Table 1. Channel settings for the Hiac Model PC 320 particle counter in equivalent spherical diameters.

Sensor	Channel	Diameter range ( $\mu\text{m}$ )
CMH-60	1	1-2
	2	2-4
	3	4-6
	4	6-10
	5	10-20
	6	20-60
E-1000	7	28-42
	8	42-73
	9	73-105
	10	105-163
	11	163-305
	12	305-1000

Table 2. File inventory for ARK 19/11.

File	Date	Transact	Stabeg	Stand	UTCbeg	UTCend	Ndeqth	Ndeqth	Edqgth	Edqth	Ndeqce	Ndeqce	Edqce	Ncycl
P11001	5/18/87	0			21.43	2.02	73	146	8	401	74	0	8	594 260
P11002	5/19/87	1	>2	>27	2.13	9.46	74	1	8	543	74	153	4	104 208
P11003	5/19/87	2	028		14.32	15.06	74	149	5	414	74	149	6	35 11
P11004	5/19/87	2		029	15.19	15.48	74	150	6	123	74	151	6	197 13
P11005	5/20/87	3			8.56	18.34	74	161	8	435	74	302	4	93 261
P11006	5/20/87	[4]	-60	051	19.16	3.08	74	299	4	223	74	302	9	295 228
P11008	5/22/87	A	-72	-73	6.19	14.05	74	305	4	138	74	450	8	587 222
P11009	5/22/87	5	073		14.09	18.50	74	453	8	592	74	531	6	60 140
P11010	5/22/87	5		087	19.00	21.45	74	540	5	593	75	0	4	98 79
P11011	5/23/87	8	094	095	17.56	21.10	74	499	7	149	75	88	9	4 97
P11012	5/23/87	7	095	096	23.12	1.07	75	84	9	28	75	105	7	7 492 49
P11013	5/24/87	7	096	097	2.34	4.40	75	111	7	486	75	121	6	347 58
P11014	5/24/87	7	(97)	098	6.48	8.20	75	129	6	181	75	135	5	227 44
P11015	5/24/87	7	098	099	9.55	11.59	75	141	5	221	75	150	4	107 60
P11016	5/24/87	C	099	100	13.33	17.19	75	149	4	142	74	514	6	361 112
P11017	5/25/87	8	110	113	23.19	1.58	75	4	6	421	75	35	7	478 81
P11018	5/26/87	8	110	113	23.41	6.09	75	129	4	457	75	220	2	2 189
P11019	5/27/87		113	117	8.02	15.59	75	230	1	545	75	347	2	0 228
P11020	5/27/87	E-H	117		18.14	19.28	75	385	2	9	75	377	1	553 36
P11021	5/27/87	E-H		118	19.46	8.24	75	385	1	545	77	298	0	-9 264
P11022	5/28/87	9	118	122	9.10	13.40	77	296	0	20	77	296	-2	7 126
P11023	5/29/87	9	122	124	14.38	16.50	77	299	-2	14	77	292	-2	574 67
P11024	5/28/87	9	124		17.45	17.51	77	286	-3	39	77	281	-3	92 4
P11025	5/29/87	10	130		1.31	1.41	77	233	-5	18	77	230	-5	53 10
P11026	5/29/87	10	133	135	12.25	15.55	77	390	-3	322	77	446	-2	58 96
P11027	5/29/87	10		136	18.05	18.27	77	446	-1	435	77	446	-1	399 12
P11028	5/29/87	10	136	141	20.04	6.53	77	450	-1	382	77	550	-2	36 267
P11029	5/30/87	10	141	142	7.43	9.10	77	548	-2	30	77	573	3	1 45
P11030	5/30/87	10	142	143	10.03	10.55	77	568	3	10	77	584	3	337 27
P11031	5/30/87	11	143	145	13.08	19.52	77	584	3	311	77	599	0	-593 198
P11032	5/30/87	11	145	149	20.43	4.28	77	597	-1	5	77	597	-4	292 222
P11033	5/31/87	12	149		6.21	8.05	77	597	-4	308	78	1	-3	578 39
P11034	5/31/87	12	150	151	10.34	11.50	78	8	-3	399	78	37	-3	82 39
P11035	5/31/87	12	151	152	13.41	14.49	78	41	-3	57	78	57	-2	203 35
P11036	5/31/87	12	152	153	16.41	17.59	78	54	-2	129	78	81	-1	277 39
P11037	5/31/87	12	153	155	19.44	22.36	78	90	-1	31	78	119	0	-54 64
P11038	6/01/87	12	155	156	0.04	1.18	78	117	0	9	78	142	2	0 539 67
P11039	6/01/87	12	156	157	3.06	4.42	78	151	0	528	78	167	2	103 49
P11040	6/01/87	13	157	161	7.14	17.37	78	178	2	6	78	210	-3	53 283
P11041	6/01/87	13	161	163	19.27	21.36	78	204	-3	88	78	199	-4	53 62
P11042	6/02/87	14	163	168	0.23	7.41	78	179	-4	75	78	188	-2	406 162
P11043	6/02/87	14	168	169	9.38	11.00	78	186	-2	443	78	216	-2	80 25
P11044	6/02/87	14	169	169A	11.54	12.34	78	216	-2	86	78	235	-1	440 21
P11045	6/02/87	14	169A	171	13.44	17.13	78	233	-1	454	78	315	0	-118 211
P11046	6/02/87	14	171	173	18.36	22.16	78	309	0	-99	78	366	1	468 68
P11047	6/03/87	D	173	174	0.49	8.13	78	359	1	380	78	395	-4	48 217
P11048	6/04/87		179		2.43	4.19	78	494	0	-187	78	529	1	10 47
P11049	6/04/87				4.25	12.38	78	540	1	51	79	525	6	6 249
P11050	6/04/87				12.58	22.52	78	526	5	448	79	139	4	175 300
P11051	6/04/87				23.09	9.03	79	166	4	170	78	565	4	403 300
P11052	6/05/87				9.09	14.20	79	572	4	405	78	581	4	461 313
P11053	6/05/87				14.43	0.37	79	543	4	459	79	129	5	97 300
P11055	6/06/87				11.38	16.11	79	210	5	322	78	525	4	15 238
P11056	6/06/87				16.22	2.16	79	526	3	533	78	502	3	398 297
P11057	6/07/87				2.23	12.17	79	501	3	334	78	589	10	433 300

-----Ndeqg,.... - beginning and end coordinates, Ncycl - number of cycles

Table 3. Average values for the files of ARK IV/1.

File	Length	na	Temp/C	ch1	ch1/L	ch2/L	ch3/L	ch4/L	ch5/L	ch6/L	ch7/L	ch8/L	ch9/L	ch10/L	ch11/L	ch12/L
P11001	45.7		3.63	854876	1195194	739789	789246	63324	10801	968	86	40	18	2		
P11002	79.1	0.95	69750	703937	310758	251128	39296	17239	5455	235	42	12	1			
P11003	6	0.12	700332	529057	166725	75589	39548	16448	7030	525	103	36	3			
P11004	2	0.98	435226	354270	136575	84813	26523	7136	2078	136	39	12	2			
P11005	75.1	0.96	375091	529210	213938	143060	18265	8923	3330	166	38	13	1			
P11006	82.1	1.55	427	311581	374227	132377	68477	11233	9622	3259	154	49	18	2		
P11008	76.9	1.40	495						10265	4671	439	65	19	0		
P11009	46	2.04	474	158500	239123	78272	40820	9321	8833	1874	120	29	11	0		
P11010	29.1	-0.40	567	245895	240689	64565	27298	9842	17813	8018	697	95	40	0		
P11011	33.2	2.66		102192	182505	100928	77256	14978	5672	863	34	16	4	0		
P11012	19	2.83		116737	218963	98236	90379	13113	5819	757	49	25	4	0		
P11013	18.9	1.37	312	149335	201547	72150	98236	90379	13113	5819	757	49	25	4		
P11014	14.1	0.15	397	200902	147879	34366	18256	10926	11783	2529	90	30	13	1		
P11015	18.2	-0.32	446	195148	142684	31696	16384	8990	21558	8221	77	21	1	1		
P11016	43.5	0.18	455	233080	154308	37677	20809	9102	21119	6972	385	61	20	1		
P11017	17.2	0.39	500	121254	145991	81600	56980	23392	23440	4770	263	63	15	3		
P11018	43	2.14	461	144647	73915	19640	11347	6835	10859	3842	257	62	32	2		
P11019	11.8	-0.89	353	93585	52147	13726	6545	5454	9886	8986	3134	189	54	16	0	
P11020	3.3	-0.76	426	1204652	688706	199638	74806	34960	20391	6797	378	139	57	8		
P11021	114.5	-0.26	369	563688	396452	130774	52160	20284	12328	3950	205	21	9	0		
P11022	26.6	-0.19	326	381495	219000	53426	39719	7523	3793	1117	54	15	4	0		
P11023	12.1	-1.14	341	311881	148665	41909	30792	7378	8308	2992	149	51	13	1		
P11024	1.1	-0.88	580						41250	13875	0	0	0	0		
P11025	0.8	-1.79	398	162458	78418	23643	15589	7369	3991	1151	93	31	9	1		
P11026	19.2	-0.89	411	818147	546037	169190	126133	45532	10464	2891	111	31	8	1		
P11027	0.8	-0.04	436	739799	894370	337116	123556	39542	21305	4646	177	53	16	2		
P11028	11.3	0.35	380	499998	511337	163739	85270	17158	9018	2256	98	39	16	3		
P11029	63.4	0.38	389	661191	1102213	355355	103528	23933	13230	3163	118	29	11	1		
P11030	7	0.38	409	669873	1633851	847355	153343	34552	13923	3175	74	23	9	1		
P11031	56.3	0.67	483	860561	1326670	724856	282898	74344	26145	5446	253	66	22	4		
P11032	43.4	0.01	420	1021797	1030225	476781	215033	62788	13442	3206	252	103	32	6		
P11033	6.8	-1.15	344	546026	467295	215786	121655	45929	7255	1984	86	33	11	1		
P11035	9.5	0.51	411	1616487	1403619	429063	274837	88260	11557	2472	103	30	14	2		
P11036	9.7	0.12	460	1971590	2841581	1131335	608812	147769	19876	2907	180	66	31	5		
P11037	12.2	0.59	630	1533037	2677360	1824206	655573	166255	37466	5659	241	70	26	3		
P11038	11.1	0.72	652	1645277	3583378	2236094	586931	138236	35940	7726	269	65	21	4		
P11039	15.9	2.13	541	1855787	2487739	1150928	573885	11896	19968	2918	84	27	9	1		
P11040	62	0.25	498	1550097	2484166	1303720	565033	159209	25991	4360	164	47	20	1		
P11041	11.4	-1.18	532	1236207	1120814	785321	315386	100376	38804	10940	498	129	56	14		
P11042	17.6	-1.37	420	932716	861158	446401	315386	100376	15499	3991	256	78	31	5		
P11043	7.9	-0.98	351	821389	720160	369021	220284	65076	8501	2033	92	33	33	3		
P11044	5.3	-0.22	458	1006186	1232099	1121498	576620	103460	41018	8161	861	296	86	32	5	
P11045	20.4	0.21	477	1341073	1777791	1300881	641354	133508	29734	5132	152	48	20	2		
P11046	23.8	1.52	631	1835273	2484103	1991534	783265	176964	34936	6216	325	120	50	15		
P11047	67.7	0.38	598	1726432	3159152	1507952	691233	140110	31759	5953	300	94	33	5		
P11048	16	0.43	648	2019671	3437414	1413332	872280	159085	54709	11105	541	147	43	7		
P11049	57	0.53	589	1826782	2197425	2864681	1449307	201330	79043	19460	1090	355	73	7		
P11050	27	0.23	763	1215480	1286745	2514679	1981141	111198	85235	15253	353	106	57	15		
P11051	20.6	-0.07	846	1165386	1214967	2316520	1952000	119454	92727	14650	395	106	48	5		
P11052	1.4	1.03	695	1572760	1540350	2317992	1715308	157195	82620	16624	359	105	171	94		
P11053	19.1	0.48	750	1261898	1205749	1835407	1841125	147210	79798	16055	359	100	100	8		
P11055	33.3	0.67	630	1645025	1648275	1648275	1648275	1648275	69877	13058	572	94	43	12		
P11056	3.5	0.84	843	1392676	1608908	2343901	1990702	207507	76177	19876	572	126	47	4		
P11057	83.2	1.56	718	1828188	1852825	2172738	1586534	210813	60551	16544	582	117	36	3		



Table 4. Coefficients of variance (100\*SD/Mean) for files of ARK IV/1.

File	Length, nm	Temp	chl f1	chl	ch2	ch3	ch4	ch5	ch7	ch8	ch9	chl0	chl1	chl2
P11001	45.7	4.5		19	17	20	17	19	34	73	70	98	131	255
P11002	79.1	182.5		21	32	47	83	35	67	88	77	51	82	134
P11003	6.0	192.3		16	17	20	16	19	25	40	61	46	48	66
P11004	2.0	38.0		12	17	32	31	31	42	64	62	29	44	94
P11005	75.1	150.5		19	15	26	57	34	112	149	151	113	116	153
P11006	82.1	94.5	28.4	12	28	30	40	31	107	135	112	82	82	122
P11008	76.9	110.8	18.0						86	129	137	105	111	204
P11009	46.0	64.1	6.6	16	12	17	30	36	57	123	136	85	121	185
P11010	29.1	-38.7	9.2	7	10	15	18	32	17	31	45	28	28	222
P11011	33.2	16.5		15	12	19	21	24	28	32	47	43	80	412
P11012	19.0	4.0		11	8	17	19	22	33	40	43	47	73	180
P11013	18.9	88.8	19.1	19	20	29	41	27	47	71	78	69	89	244
P11014	14.1	200.0	5.8	21	17	18	23	25	10	36	72	43	47	151
P11015	18.2	-41.0	3.4	12	12	17	22	37	15	31	47	34	40	153
P11016	43.5	405.3	3.0	17	17	26	32	50	21	30	35	39	47	140
P11017	17.2	64.8	5.5	28	34	44	44	38	20	54	85	72	84	119
P11018	43.0	39.3	16.5	30	41	41	48	77	49	69	65	45	47	97
P11019	11.8	-5.7	2.6	24	28	39	43	47	48	51	39	36	43	160
P11020	3.3	-6.7	2.4	9	11	15	14	14	16	19	52	252	245	240
P11021	114.5	-179.4	10.2	36	29	37	20	28	42	47	68	86	68	185
P11022	26.6	-133.1	39.2	17	29	25	20	25	55	52	67	94	90	299
P11023	12.1	-28.6	6.7	8	14	17	16	35	49	57	65	73	75	162
P11024	1.1	-5.7	3.4						11	22	0	0	0	0
P11025	0.8	-1.8	0.5	8	13	15	12	18	12	18	34	58	130	177
P11026	19.2	-81.5	33.0	25	33	38	32	30	80	88	76	88	94	285
P11027	0.8	-674.6	3.2	10	11	25	13	9	13	16	42	54	50	119
P11028	11.3	67.2	7.4	23	44	42	37	33	43	52	96	116	144	244
P11029	63.4	45.1	5.4	14	11	8	7	16	33	44	51	67	65	167
P11030	7.0	43.0	8.5	7	16	19	14	10	20	28	68	86	96	151
P11031	56.3	53.6	18.0	38	30	46	68	62	81	81	109	110	105	144
P11032	43.4	6495.0	17.5	28	42	65	65	54	90	84	176	299	222	144
P11033	6.8	-22.4	10.8	32	37	72	91	101	101	100	95	131	65	205
P11034	7.0	-225.3	6.5	10	24	33	37	33	27	36	66	75	39	105
P11035	9.5	51.5	8.6	7	29	55	50	41	29	27	50	48	50	102
P11036	9.7	376.7	6.7	11	19	19	9	18	34	60	51	48	55	89
P11037	12.2	72.0	15.9	21	20	38	33	35	67	75	72	66	51	88
P11038	11.1	17.3	13.7	18	23	36	36	34	52	63	111	88	105	193
P11039	15.9	43.8	7.3	9	28	28	27	22	33	30	61	45	55	145
P11040	62.0	410.4	18.4	22	56	54	36	26	46	51	70	59	57	155
P11041	11.4	-21.5	20.0	27	31	51	55	42	58	62	75	91	63	133
P11042	17.6	-14.5	13.6	28	32	44	44	47	64	74	95	73	54	87
P11043	7.9	-30.9	4.5	15	22	55	26	19	60	56	46	46	41	52
P11044	5.3	-146.1	4.9	5	5	7	18	7	28	31	56	58	32	95
P11045	20.4	107.7	8.9	13	11	26	52	12	71	84	75	65	81	185
P11046	23.8	34.4	14.2	27	23	37	20	14	32	33	56	59	73	178
P11047	67.7	268.9	19.5	33	55	26	31	21	56	55	71	54	45	122
P11048	16.0	133.5	19.2	18	23	33	27	9	44	56	38	40	35	82
P11049	57.0	275.2	14.1	42	33	17	37	45	44	82	355	382	189	173
P11050	27.0	212.3	11.4	21	20	16	22	16	26	32	38	42	44	202
P11051	20.6	-441.6	6.9	24	23	16	10	9	16	32	54	50	37	105
P11052	1.4	803.0	14.8	6	4	19	25	21	44	61	54	59	829	1031
P11053	19.1	78.4	21.6	13	11	22	29	15	47	67	36	35	37	117
P11055	33.3	156.5	19.1	19	15	13	24	20	44	66	57	48	56	232
P11056	3.5	137.6	10.3	11	15	16	19	21	35	46	47	56	32	113
P11057	83.2	65.6	25.3	39	27	41	39	24	41	57	49	51	61	159

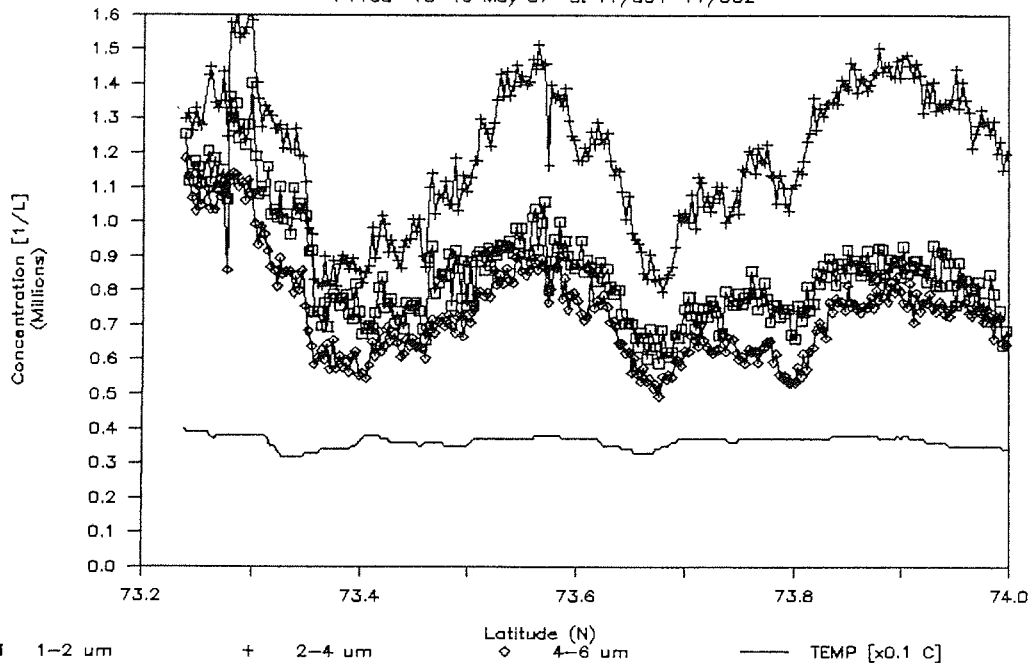
Table 5 Summary of samples taken from the flow-thru system for calibrations (concentrations of particles in liter).

File, cycle	Date	UTC	N lat	E lon	Temp	Ch1f1	ch1	ch2	ch3	ch4	ch5	ch7	ch8	ch9	ch10	ch11	ch12
P11008,	52	5/22/87	805	5.34	-0.6	653	134325	57330	18464	15002	18464	29016	17180	1664	203	33	1
P11016,	66	5/24/87	1545	5.75	0.0	449	236064	133277	32458	19426	8114	18168	5832	295	65	34	1
P11016,	80	5/24/87	1613	74.94	6.06	0.0	469	284260	185654	45737	22868	14999	8886	499	75	36	0
P11016,	82	5/24/87	1619	74.93	6.13	0.1	489	233359	148277	34426	25081	10573	33274	698	67	29	0
P11016,	93	5/24/87	1653	74.88	6.44	1.4	429	235572	151720	41065	18934	10573	33274	698	67	29	0
P11017,	2	5/25/87	2321	75.01	6.63	0.3	454	208034	120960	36826	39429	54185	26405	530	107	24	1
P11017,	8	5/25/87	2333	75.01	6.62	0.2	457	206098	166427	54911	35317	39187	32263	11410	953	147	4
P11018,	96	5/26/87	301	75.06	7.80	3.3	546	157513	100663	13726	4321	18935	9475	589	91	55	6
P11018,	107	5/26/87	323	75.06	7.81	3.2	613	161925	94816	25928	14989	25082	12911	861	99	38	6
P11018,	125	5/26/87	359	75.07	7.65	2.4	383	148452	60499	16014	8642	6320	2648	194	38	18	0
P11021,	31	5/27/87	2047	75.97	-1.59	-0.9	424	839413	504033	153867	51003	30859	18409	6147	424	52	21
P11021,	101	5/27/87	2329	0.00	0.00	0.0	380	370096	253945	83148	39645	19072	11452	3787	184	18	3
P11022,	84	5/28/87	1208	77.50	-1.29	-0.3	308	318432	205868	54142	35310	3883	1302	106	37	6	0
P11023,	62	5/28/87	1640	77.50	-2.92	-1.1	400	303055	171963	51958	36998	14783	19668	7474	163	57	46
P11024,	4	5/28/87	1751	77.47	-3.14	-0.9	550				36000		10500				
P11028,	98	5/29/87	102	77.80	-0.36	0.2	367	538875	334736	117797	73759	14968	2019	78	23	16	1
P11031,	9	5/30/87	1324	78.00	3.37	0.1	431	597632	1887889	783292	153267	38479	9791	2258	58	9	3
P11031,	18	5/30/87	1351	78.00	3.00	0.2	479	613285	2319875	1153307	198268	45001	12297	1994	42	4	8
P11031,	129	5/30/87	1733	78.00	0.02	0.7	621	1160481	1600281	1230918	565022	127179	44145	424	144	50	6
P11037,	45	5/31/87	2158	78.18	-0.24	0.4	926	1621985	4068308	3443559	1252332	287465	109125	15070	304	58	31
P11040,	63	6/01/87	922	78.33	0.18	0.6	590	1552998	5686343	2687509	549596	123127	21846	45	12	17	1
P11042,	51	6/02/87	314	78.28	-3.33	-1.8	475	993734	929111	572379	393422	143450	22743	325	143	80	6
P11046,	30	6/02/87	1934	78.56	0.64	1.2	812	1715796	3211706	3164052	857777	212146	42702	172	72	23	0
P11047,	55	6/03/87	240	78.66	0.15	0.8	700	1198242	2097692	1557266	694428	121879	33583	5001	190	79	38
P11047,	70	6/03/87	309	78.67	-0.27	0.9	965	1697333	3022179	1725913	1506247	206911	97376	325	130	50	11
P11053,	103	6/05/87	1806	79.33	4.94	1.2	646	1095625	1105312	1716562	1652812	160312	57967	10359	361	87	34
P11061,	32	6/16/87	1254	80.00	4.32	1.5	310	571909	704100	1730416	1565177	51407	13944	600	134	52	5
P11063,	45	6/16/87	1852	80.00	6.41	3.0	1203	1201912	1628062	4981513	4923874	110553	114416	14920	432	86	16
P11069,	82	6/18/87	1220	77.47	-1.04	1.9	874	2555289	13703130	5638208	1175261	243814	63066	116	15	5	0
P11069,	115	6/18/87	1326	77.23	-1.35	2.0	461	2360047	7697297	2523860	576202	144764	36299	12319	318	31	5
P11080,	63	6/24/87	1211	72.02	-8.34	2.6	327							21317	16991	177	11
P11092,	40	6/26/87	2006	72.65	-17.10	-0.8	346	614185	734187	347723	138900	19842	2173	100	50	22	11

NB! The coordinates are represented as degrees with decimal parts of degrees.

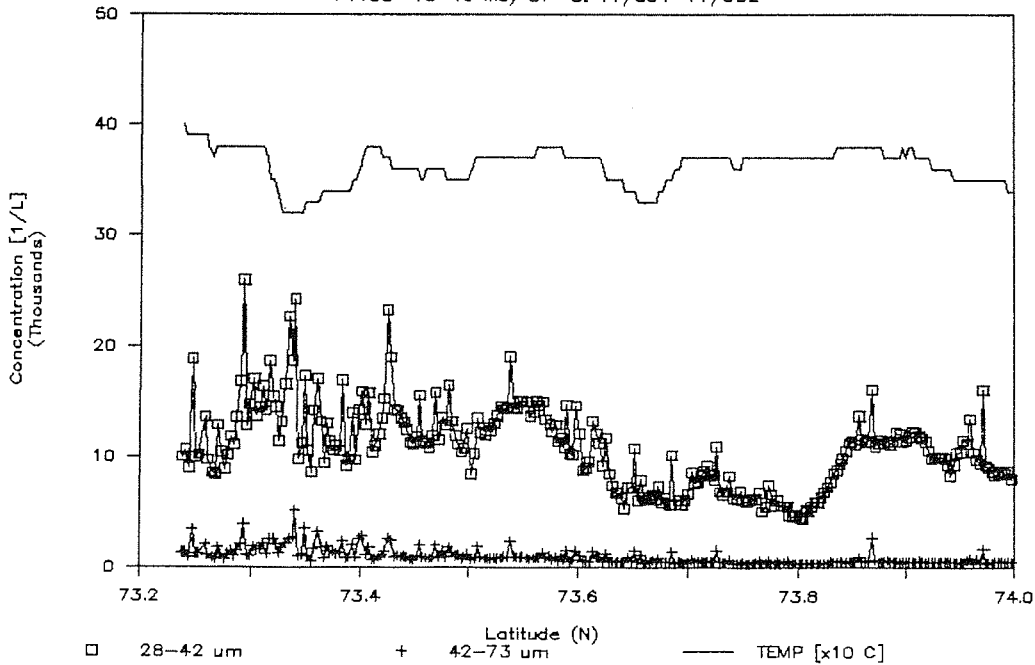
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P1100 18-19 May 87 St 11/001-11/002



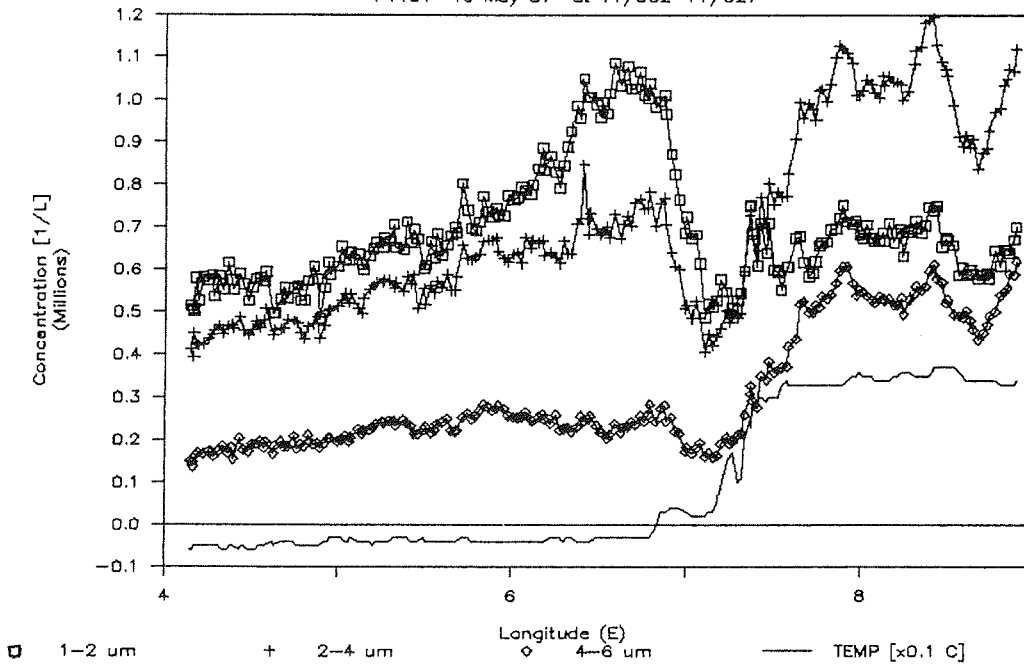
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P1100 18-19 May 87 St 11/001-11/002



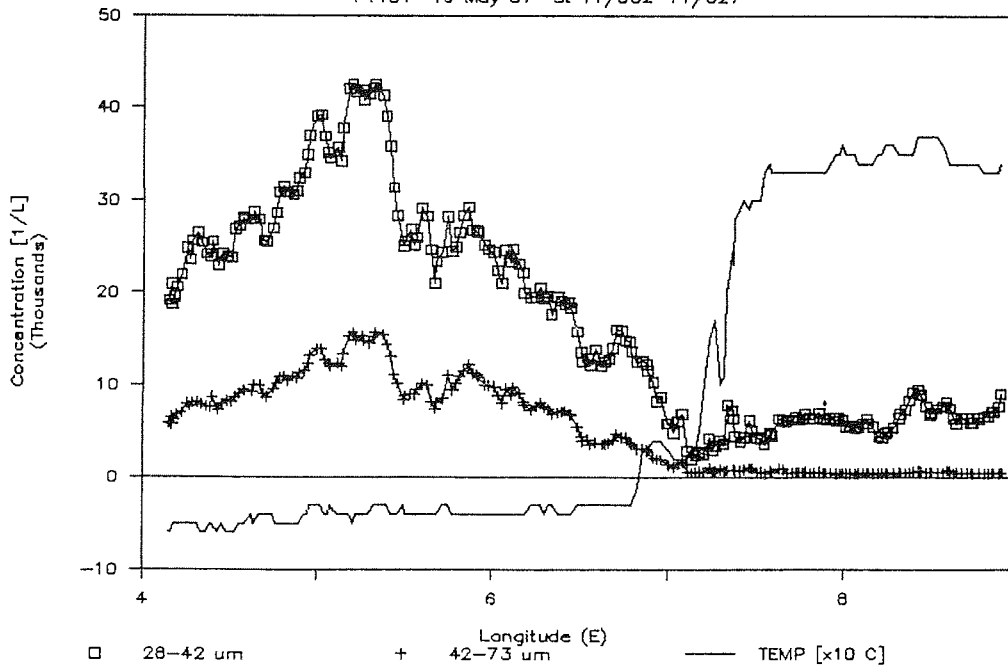
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P1101 19 May 87 St 11/002-11/027



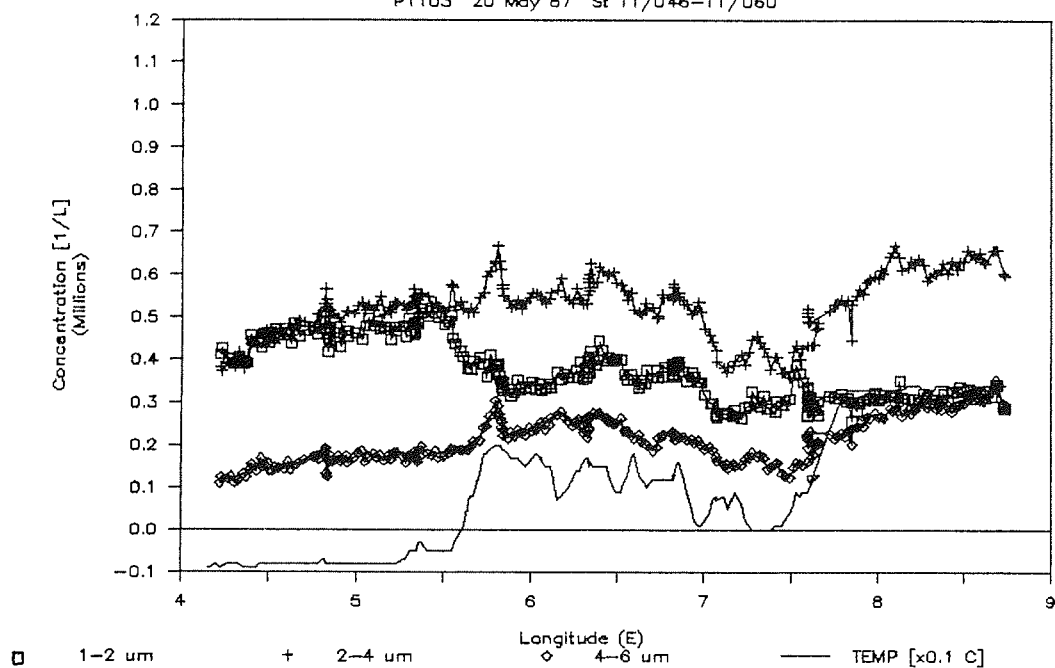
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P1101 19 May 87 St 11/002-11/027



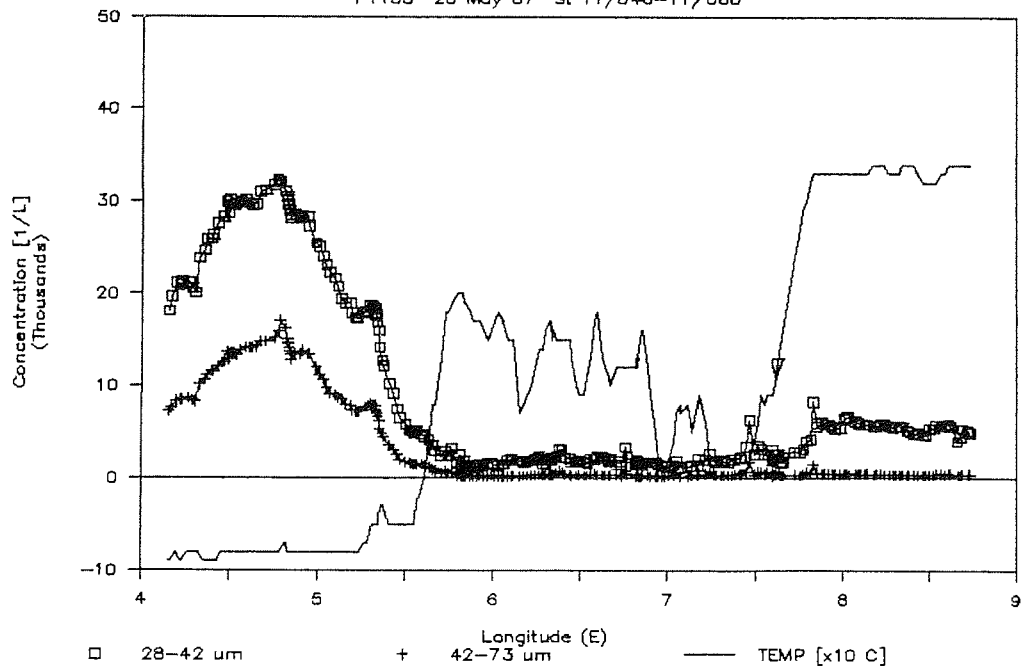
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P1103 20 May 87 St 11/046-11/060



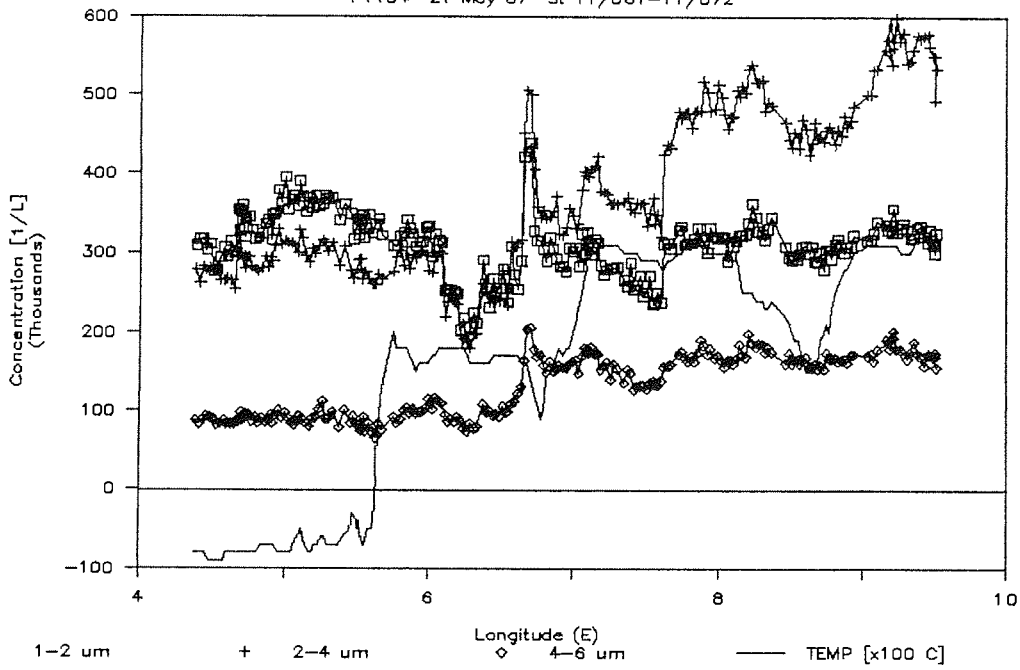
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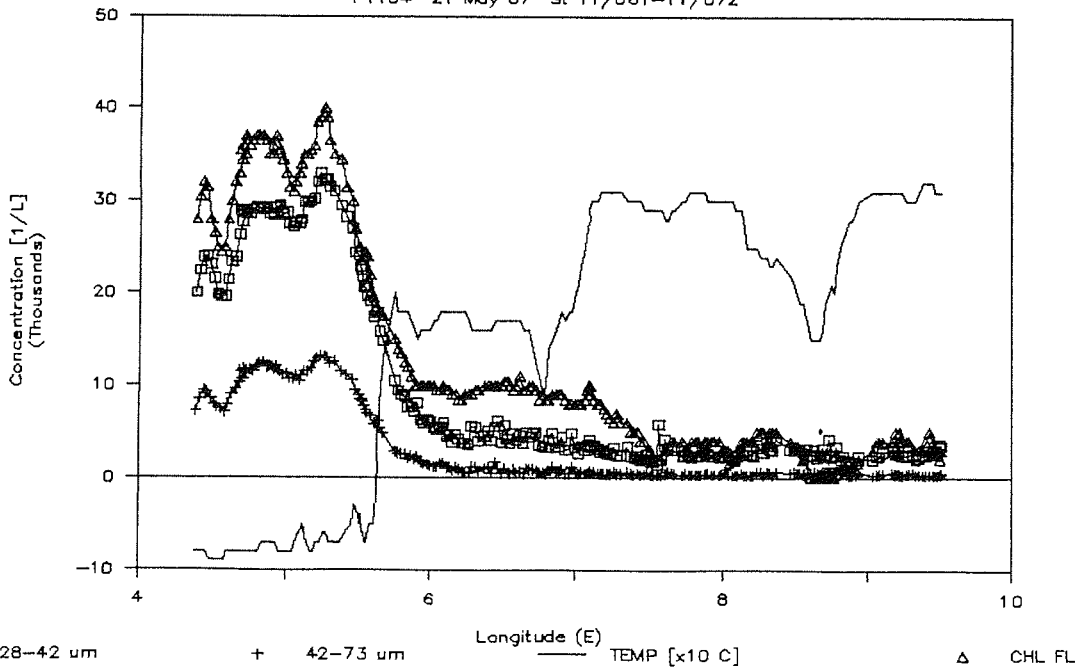
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P1104 21 May 87 St 11/061-11/072



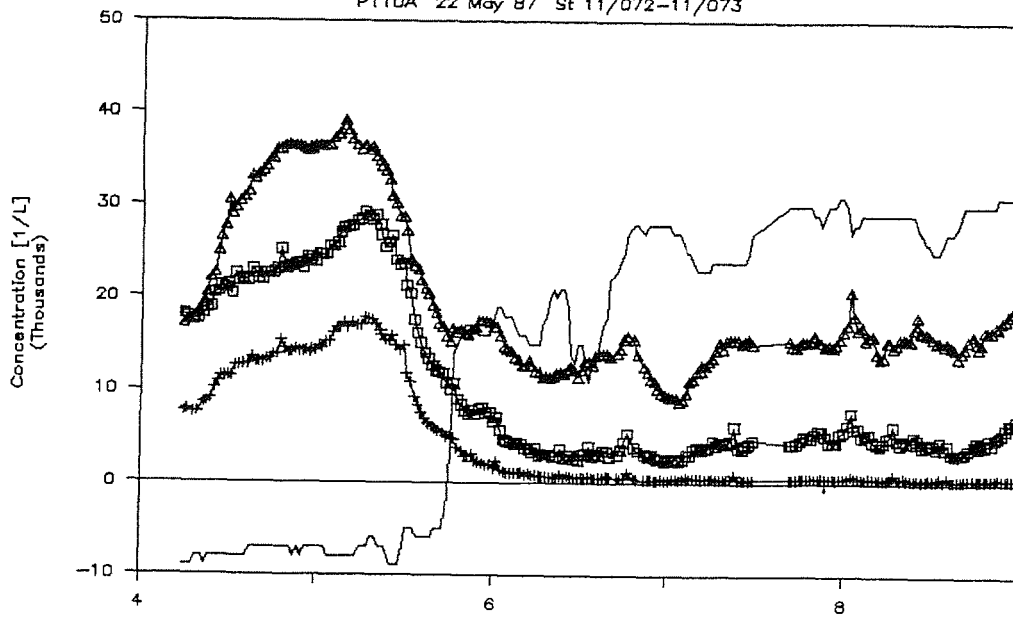
### ARK IV/1 TRANSECT No 4

P1104 21 May 87 St 11/061-11/072



# ARK IV/1 TRANSECT No A

P110A 22 May 87 St 11/072-11/073



□ 28-42 um

+ 42-73 um

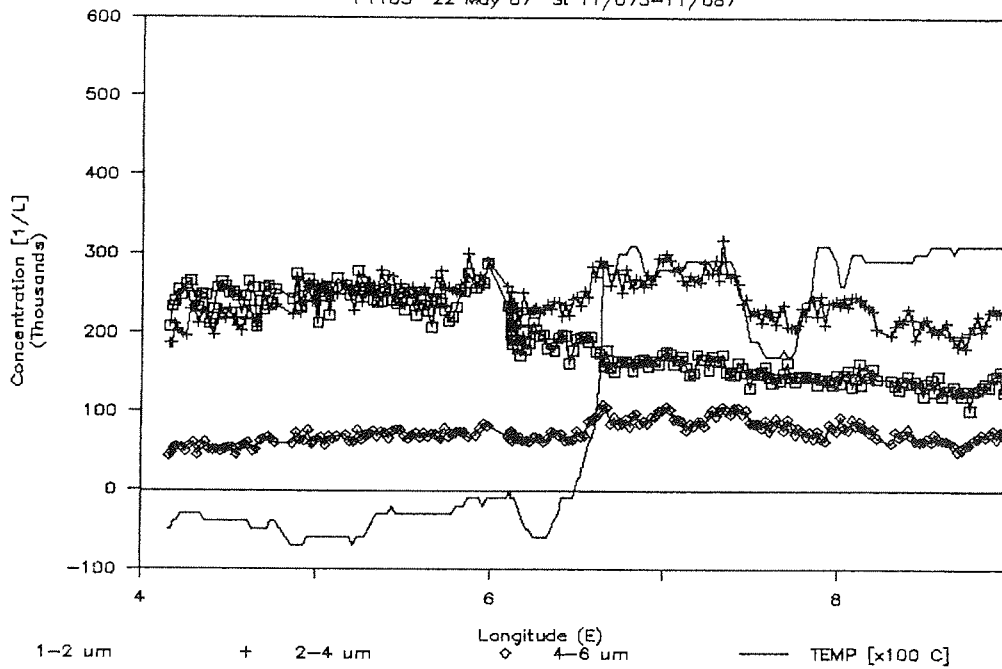
Longitude (E)

TEMP [x10 C]

△ CHL FL

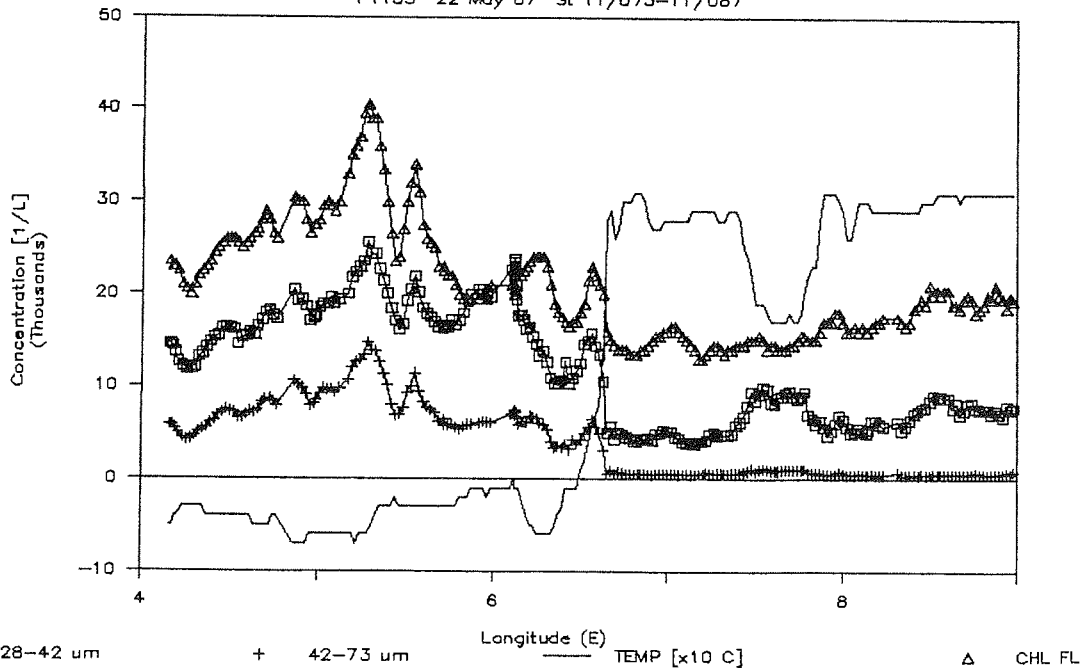
# ARK IV/1 TRANSECT No 5

P1105 22 May 87 St 11/073-11/087



# ARK IV/1 TRANSECT No 5

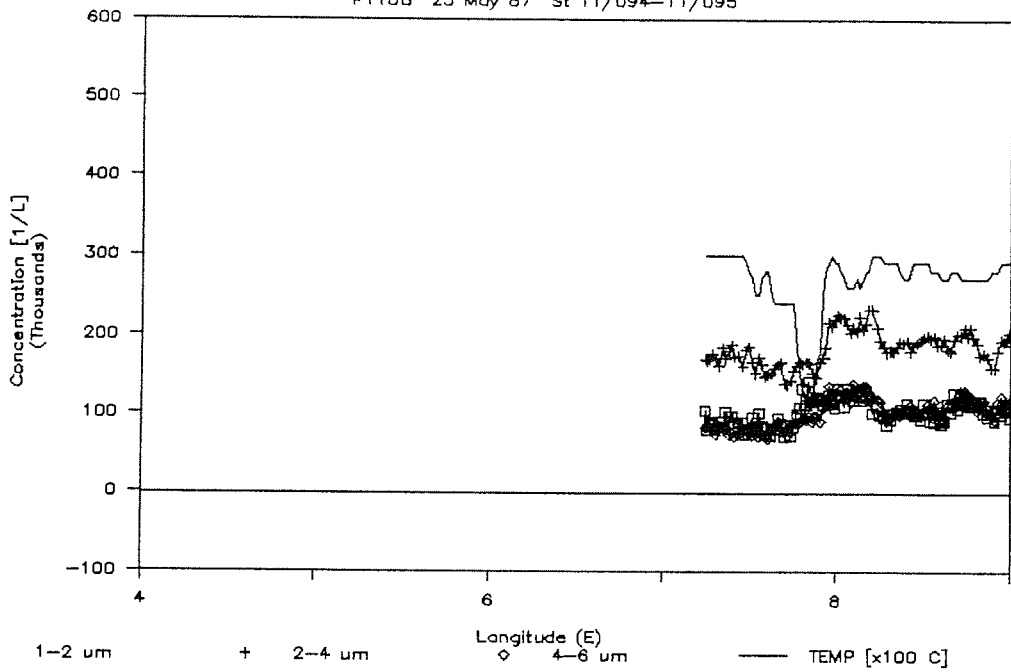
P1105 22 May 87 St 11/073-11/087





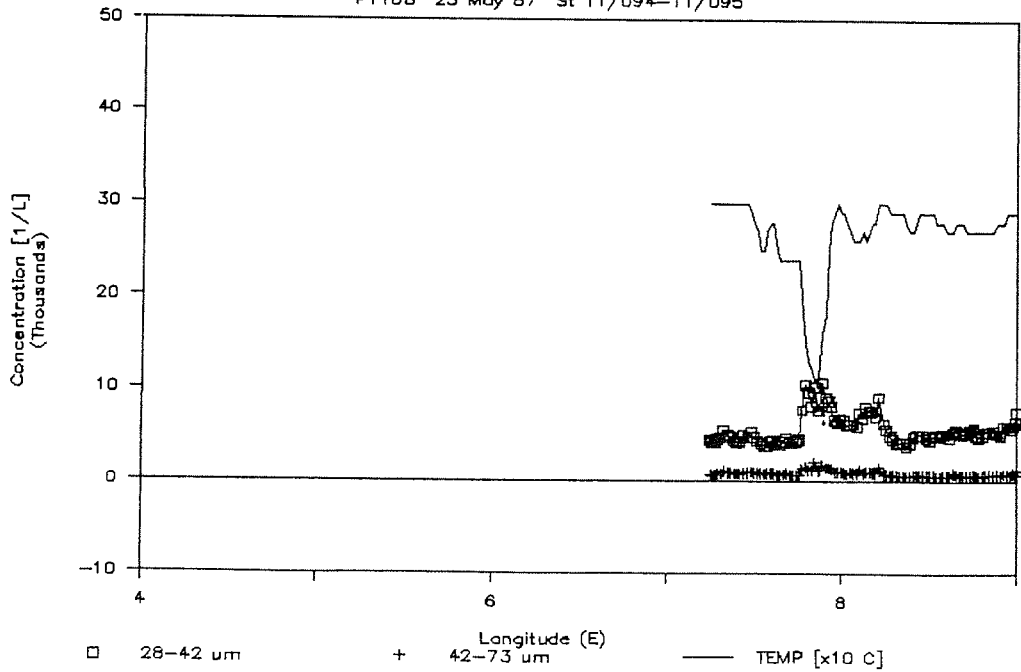
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P110B 23 May 87 St 11/094-11/095



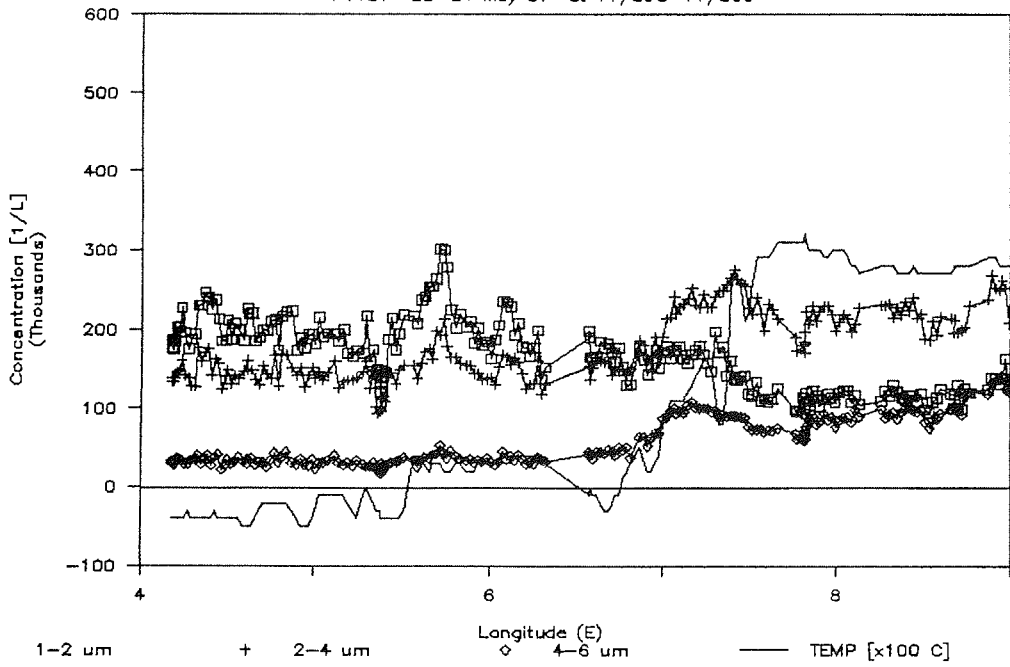
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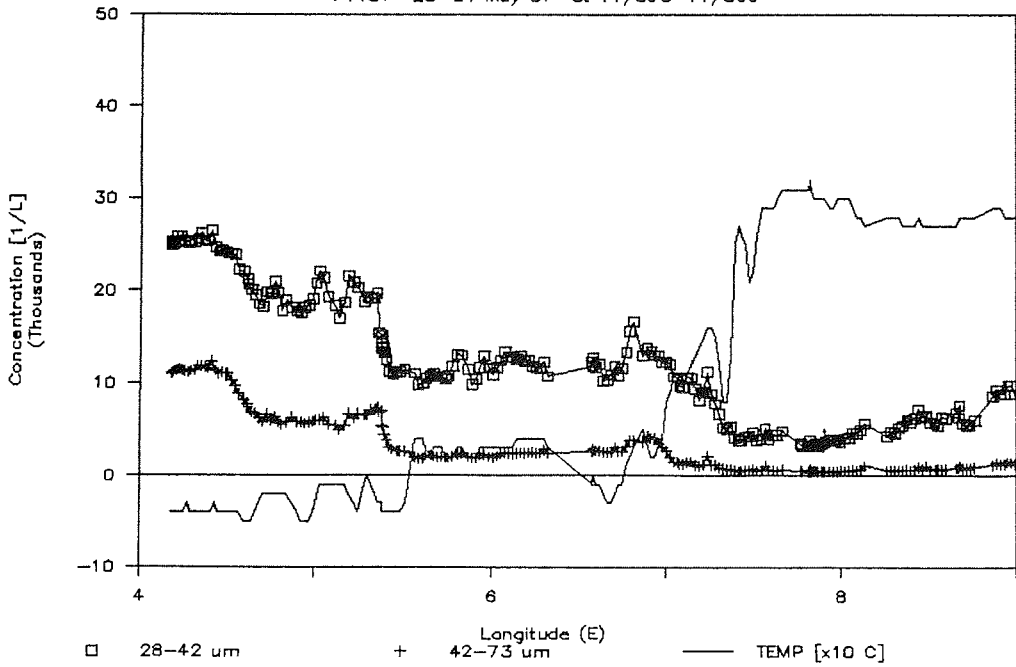
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P1107 23-24 May 87 St 11/095-11/099



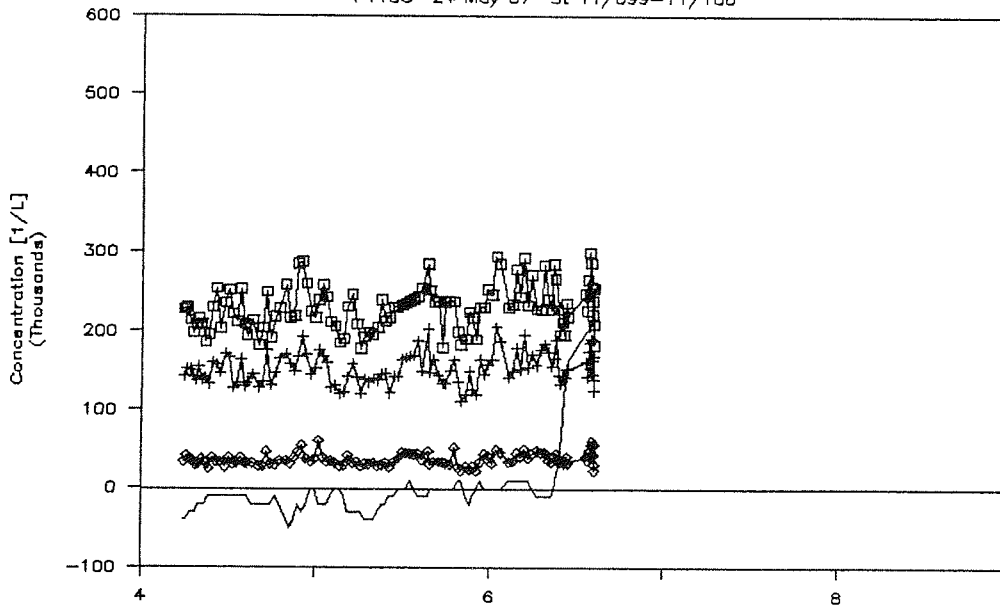
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P1107 23-24 May 87 St 11/095-11/099



ARK IV/1 TRANSECT No C

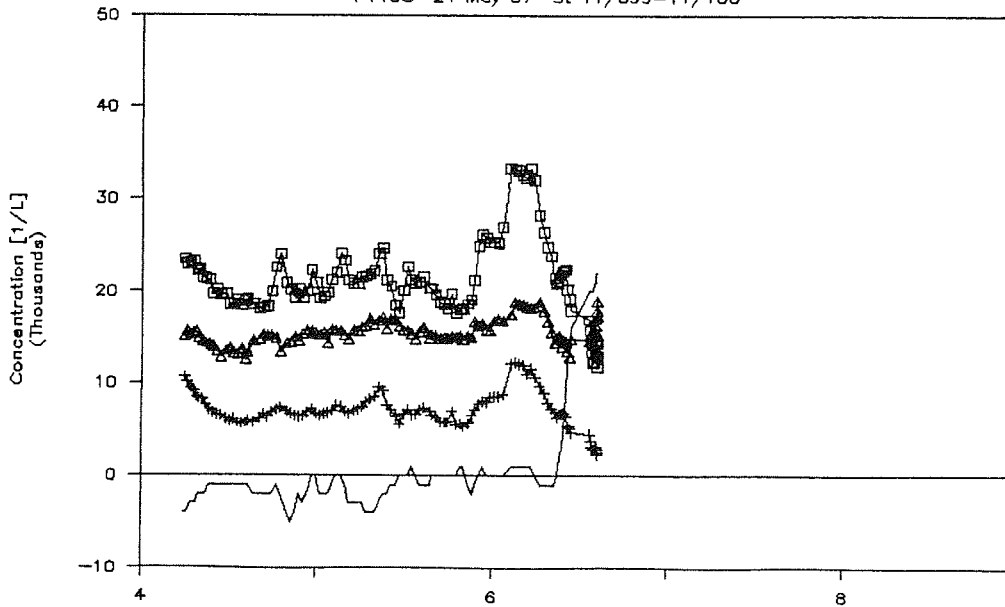
P110C 24 May 87 St 11/099-11/100



□ 1-2 um      + 2-4 um      ◇ 4-6 um      — TEMP [x100 C]

ARK IV/1 TRANSECT No C

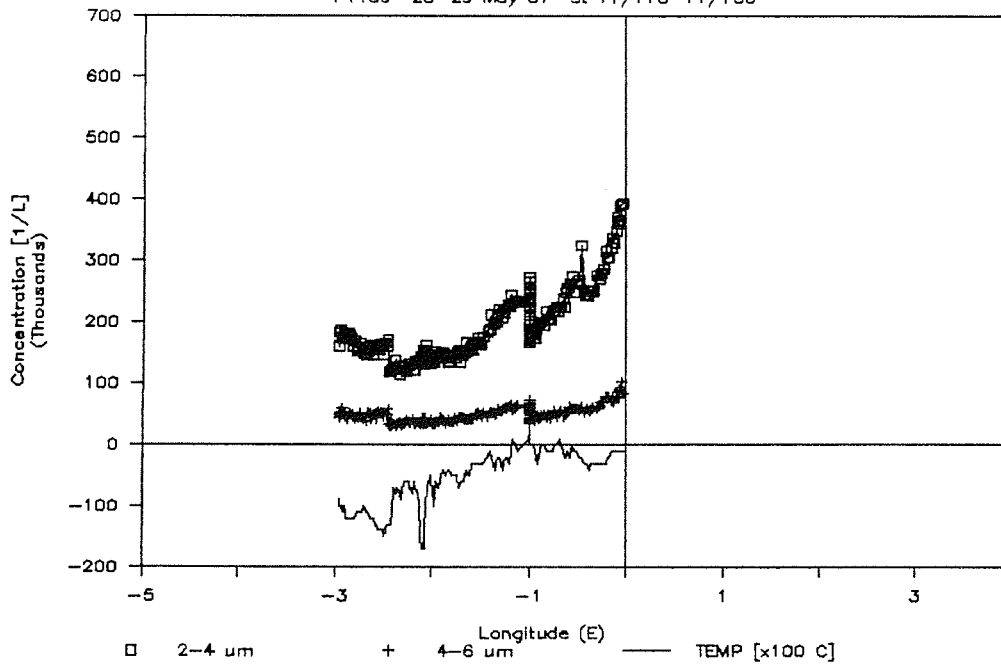
P110C 24 May 87 St 11/099-11/100



□ 28-42 um      + 42-73 um      — TEMP [x10 C]      Δ CHL FL

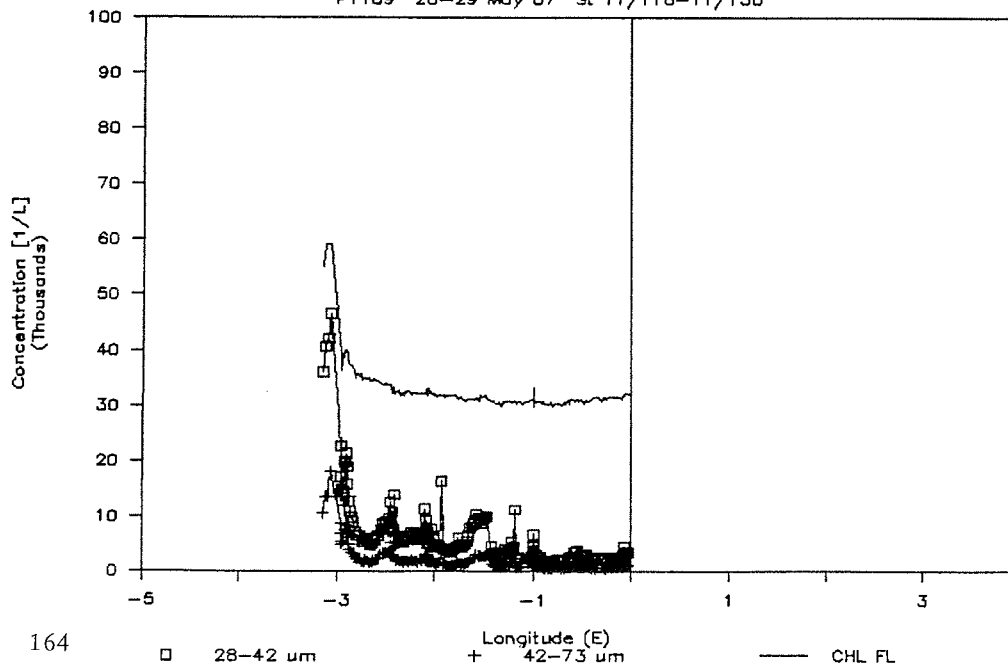
# ARK IV/1 TRANSECT No 9

P1109 28-29 May 87 St 11/118-11/130



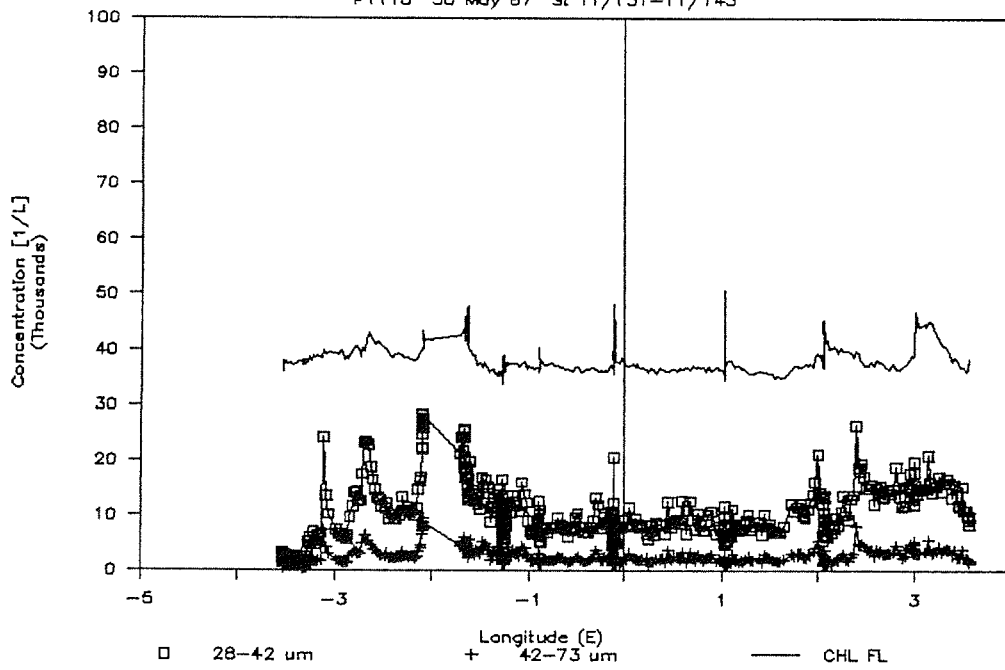
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P1109 28-29 May 87 St 11/118-11/130



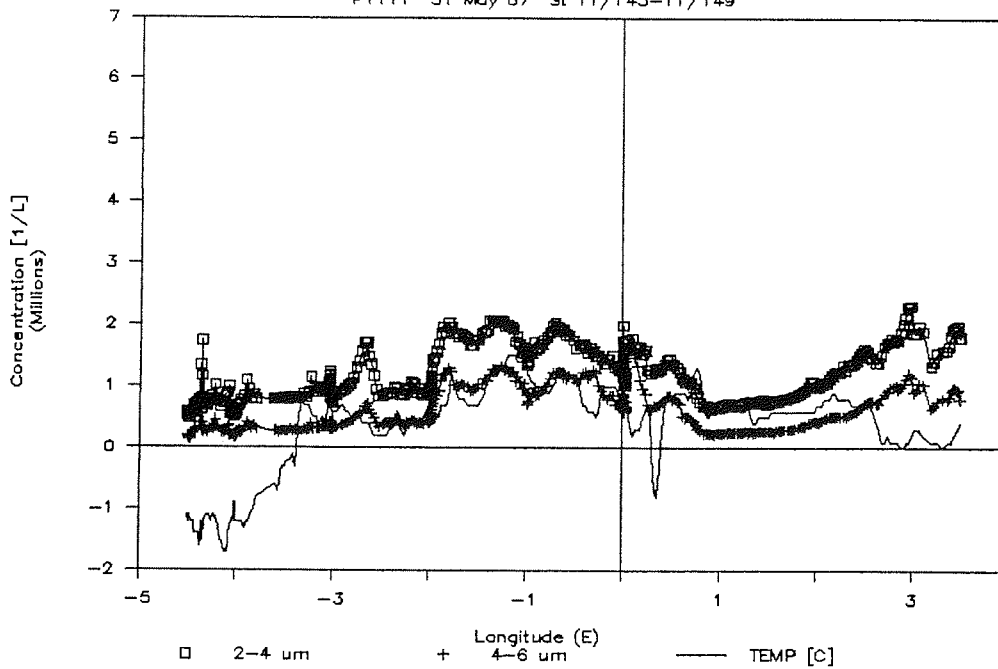
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P1110 30 May 87 St 11/131-11/143



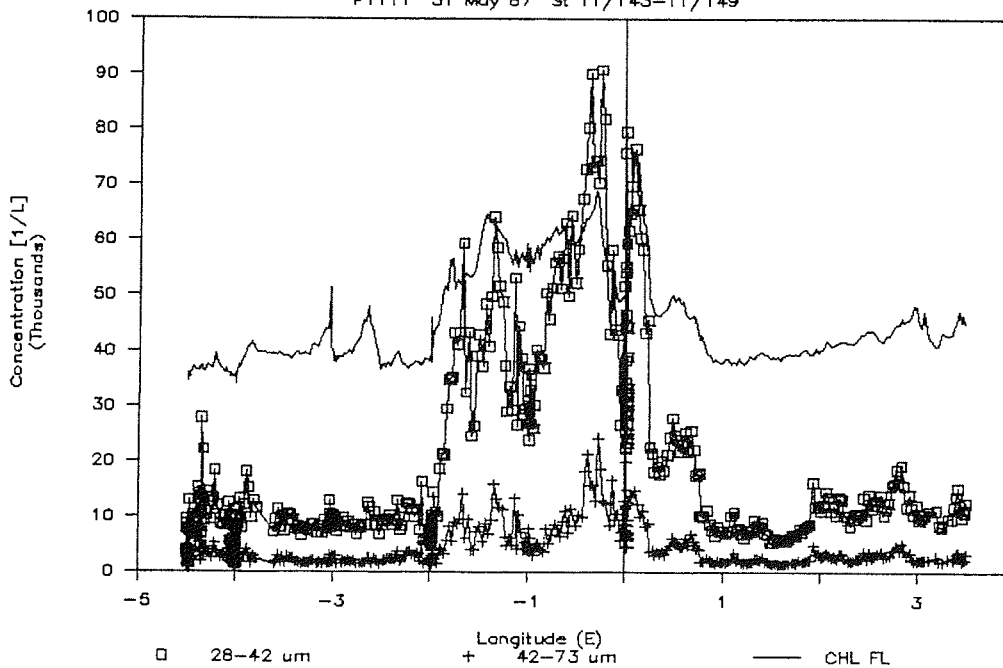
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P1111 31 May 87 St 11/143-11/149



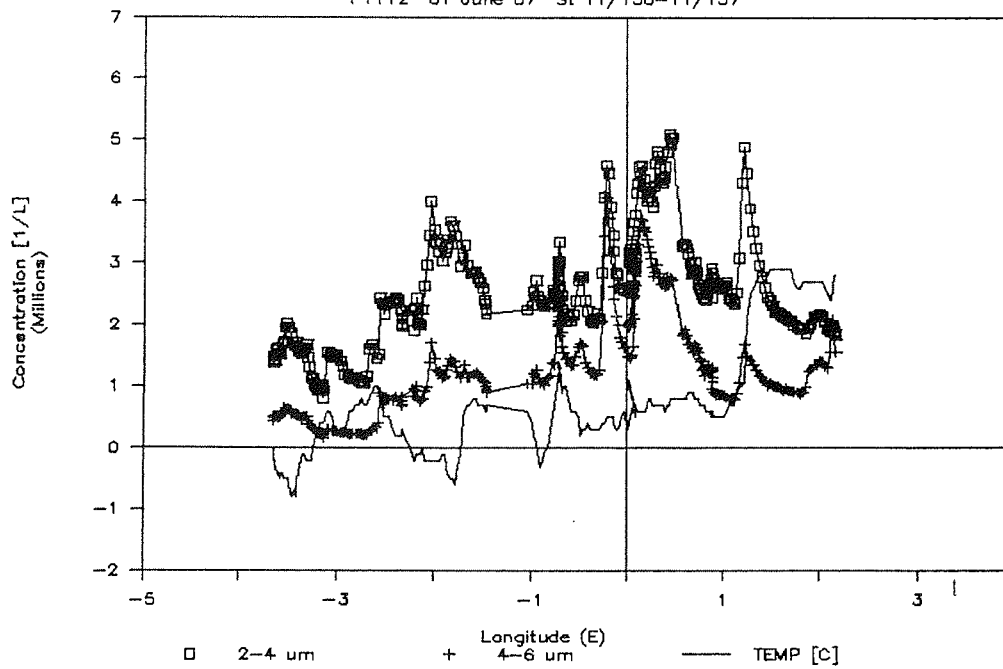
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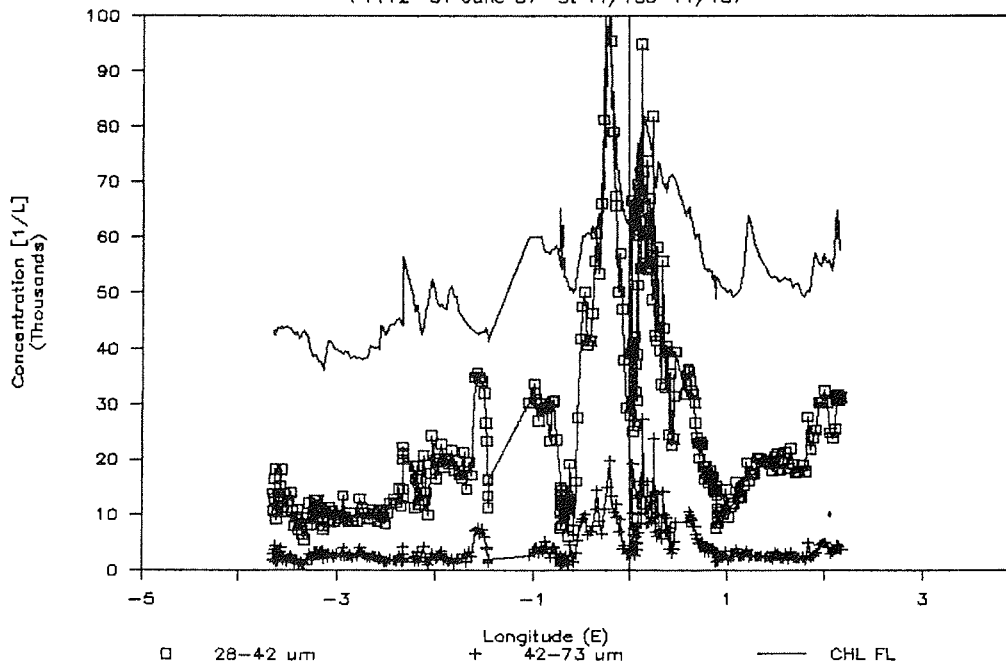
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P1112 01 June 87 St 11/150-11/157



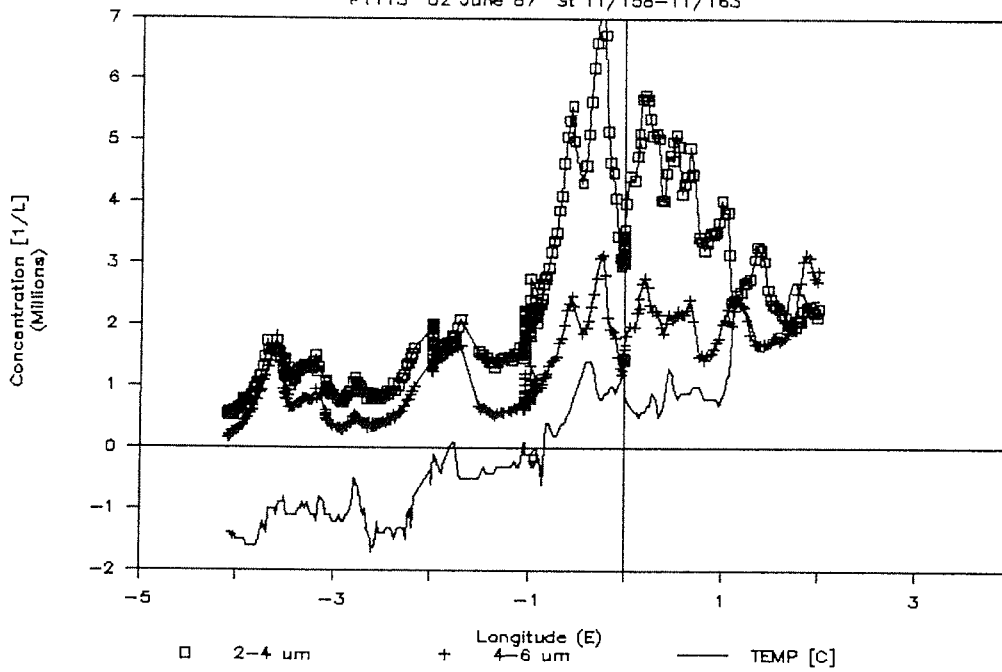
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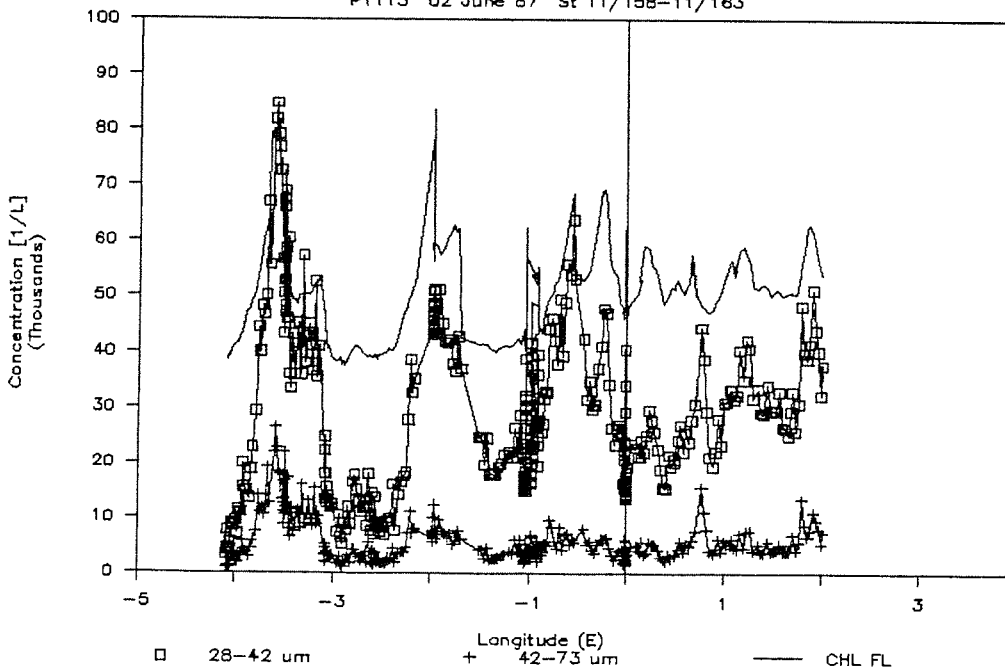
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P1113 02 June 87 St 11/158-11/163



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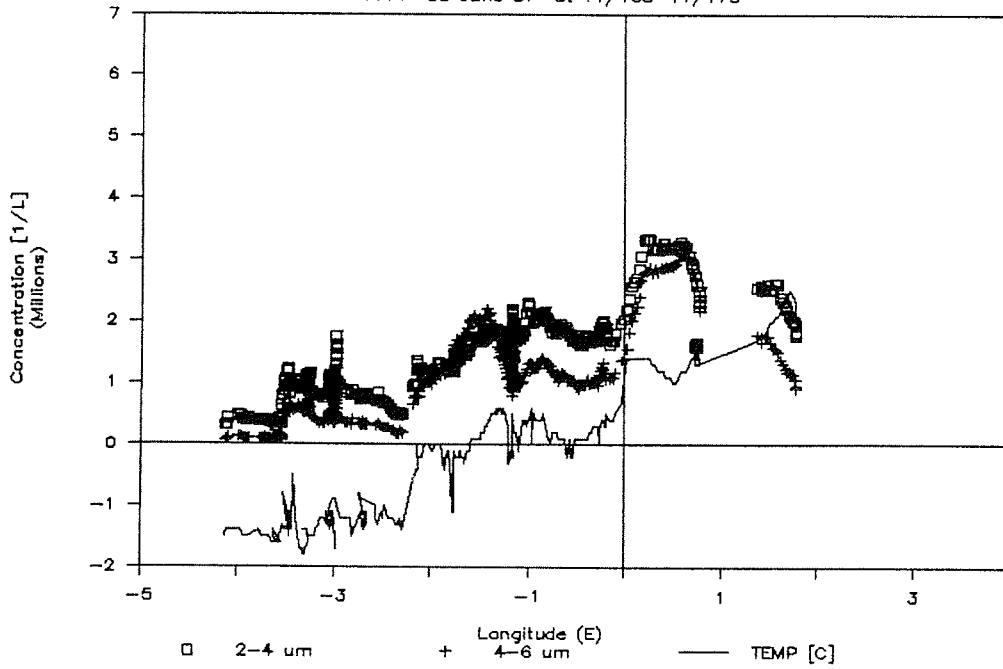
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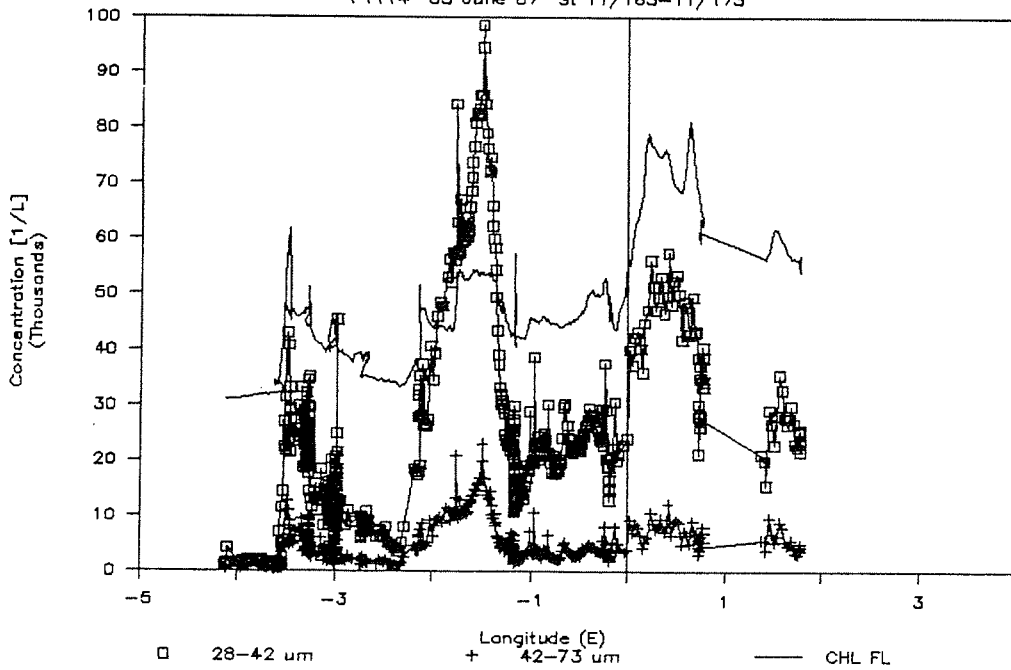
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P1114 03 June 87 St 11/163-11/173



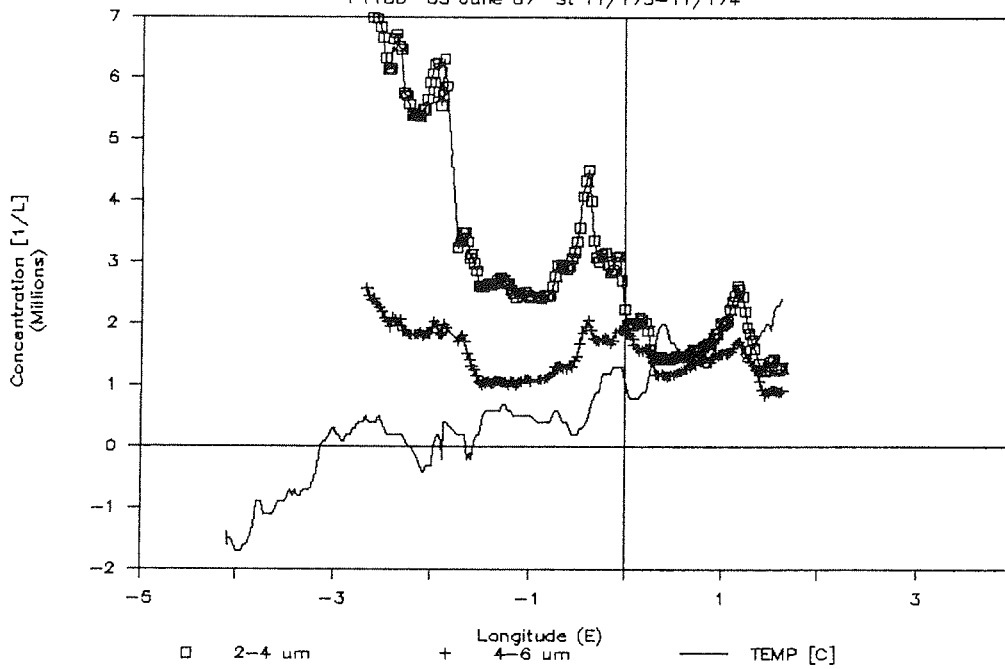
ARK IV/1 TRANSECT No 14

P1114 03 June 87 St 11/163-11/173



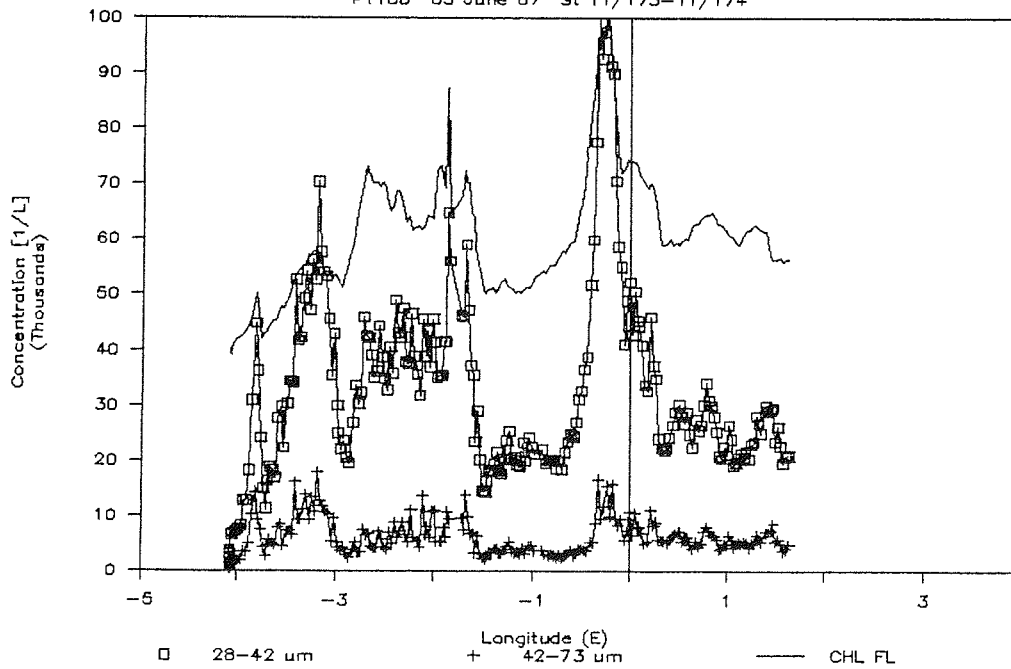
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P110D 03 June 87 St 11/173-11/174



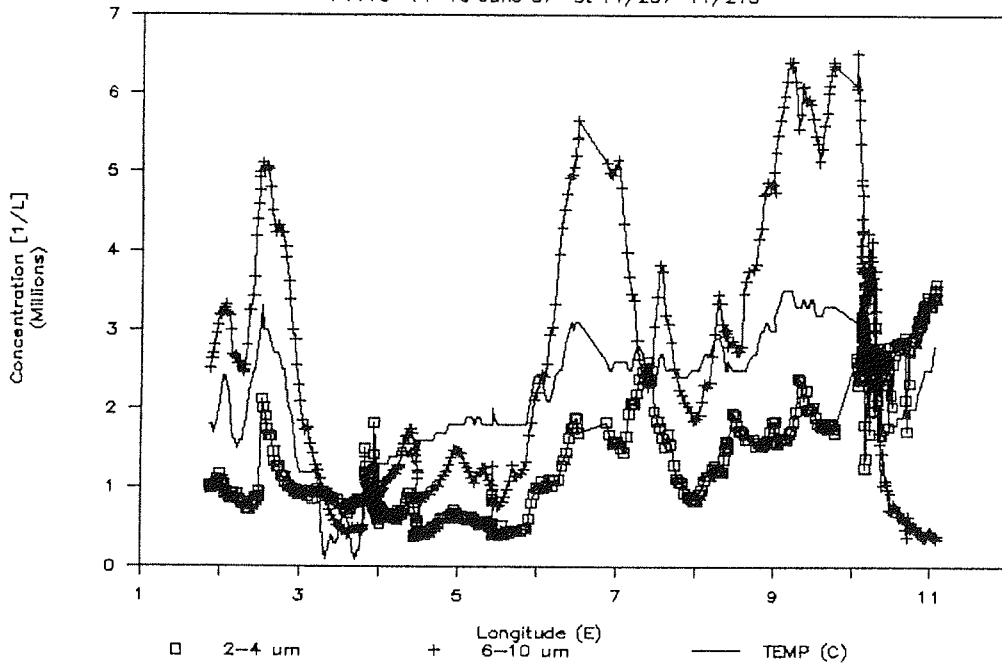
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P110D 03 June 87 St 11/173-11/174



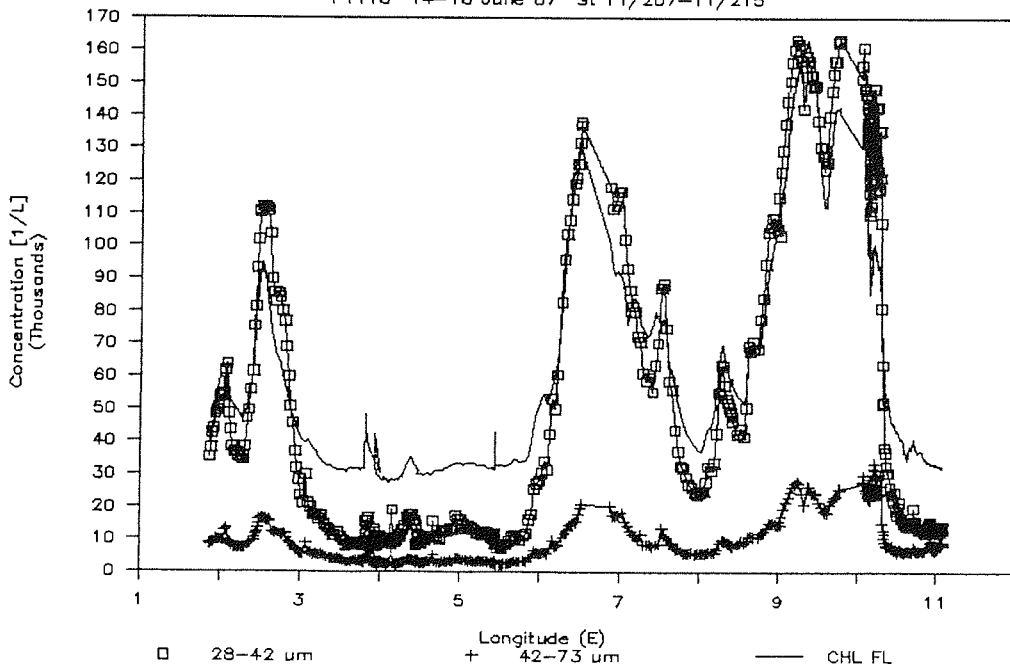
ARK IV/2 SECTION No 2

P1116 14-16 June 87 St 11/207-11/215



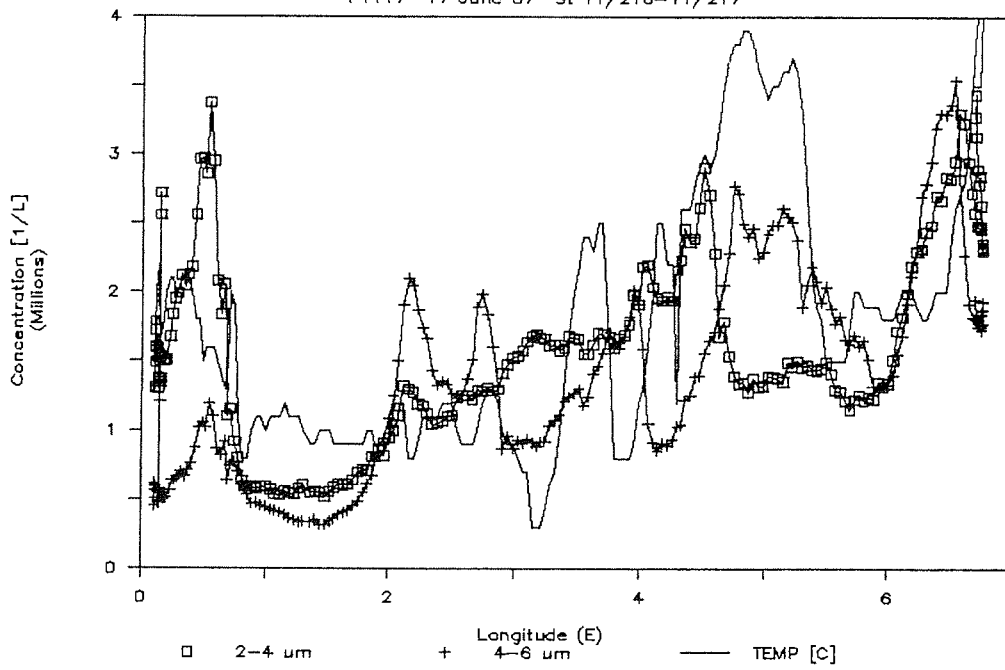
ARK IV/2 SECTION No 2

P1116 14-16 June 87 St 11/207-11/215



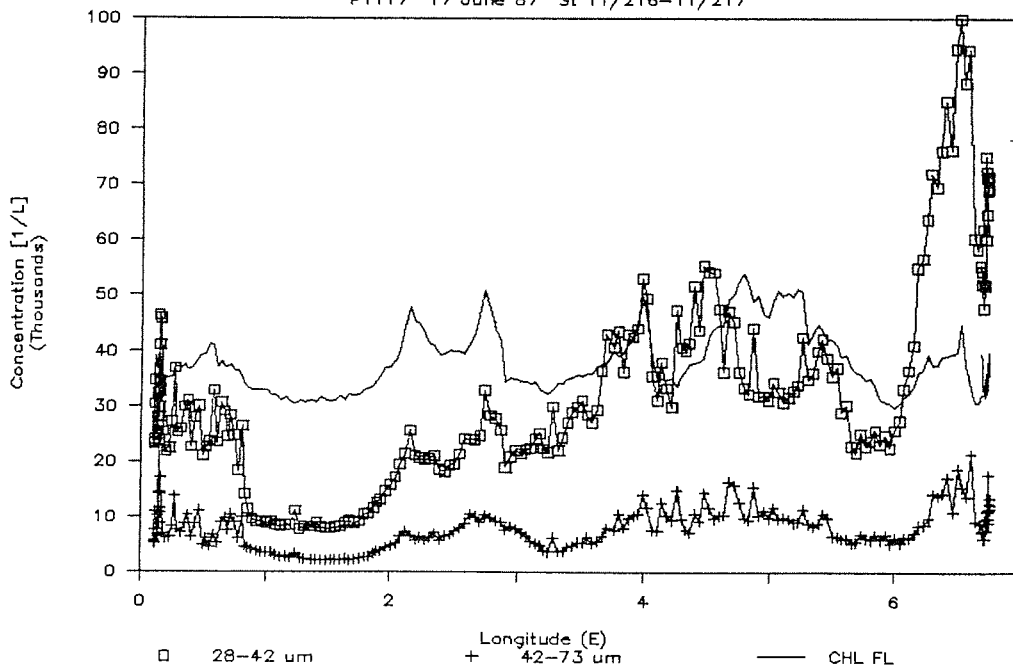
ARK IV/2 SECTION No 17

P1117 17 June 87 St 11/216-11/217



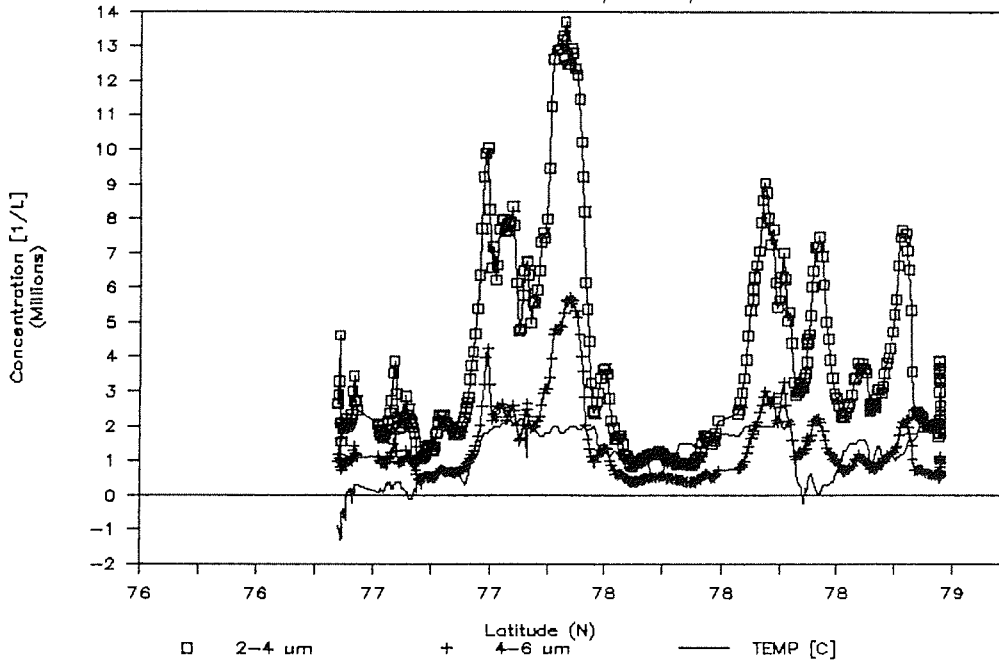
ARK IV/2 SECTION No 17

P1117 17 June 87 St 11/216-11/217



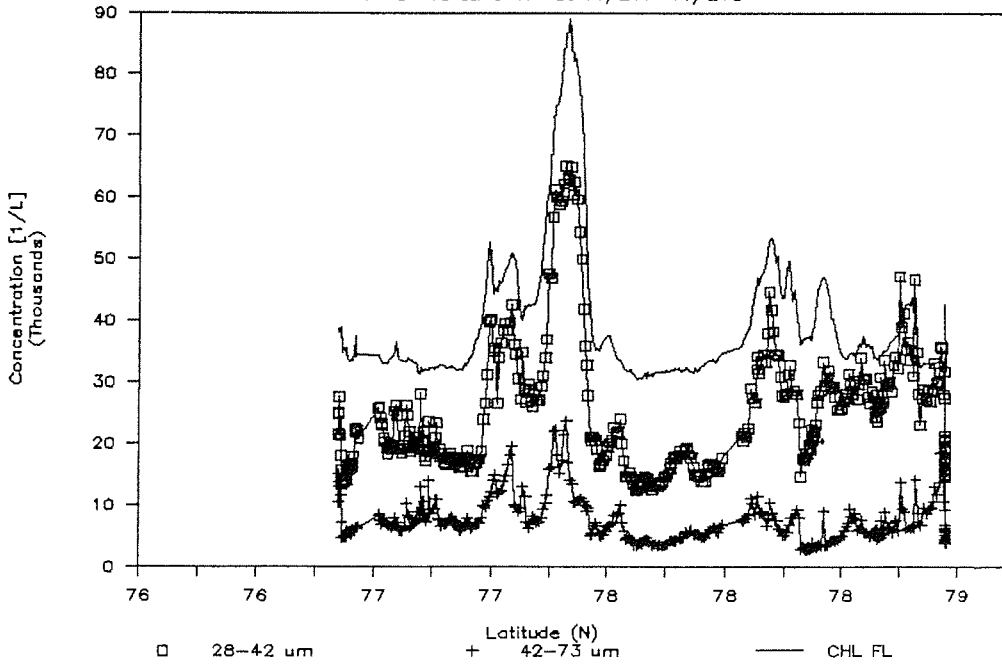
ARK IV/2 SECTION No 18

P1118 18 June 87 St 11/217-11/218



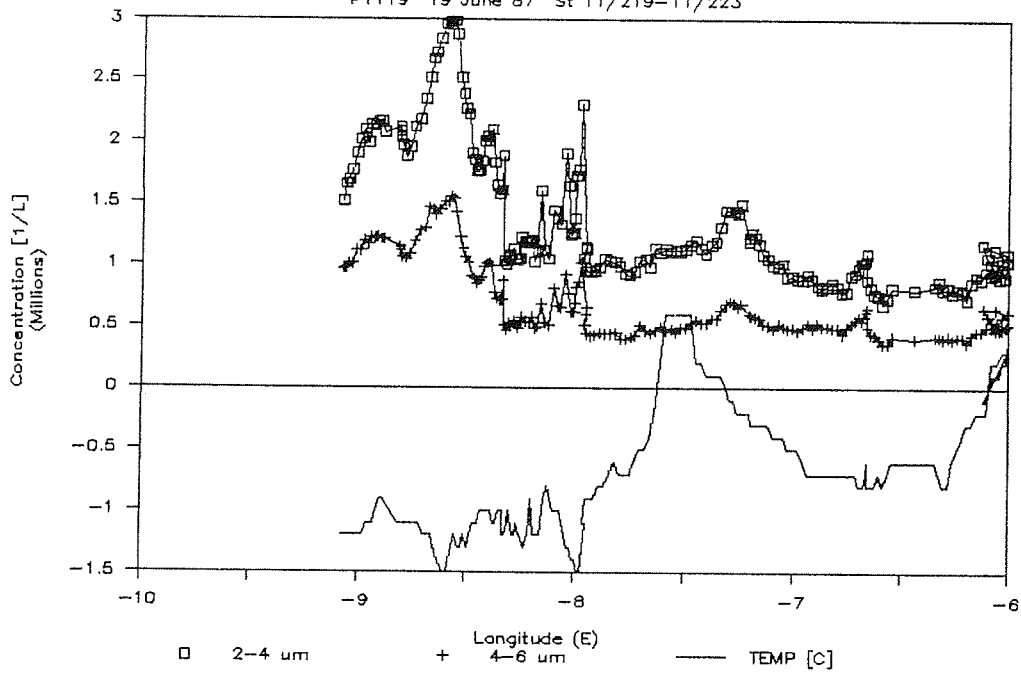
ARK IV/2 SECTION No 18

P1118 18 June 87 St 11/217-11/218



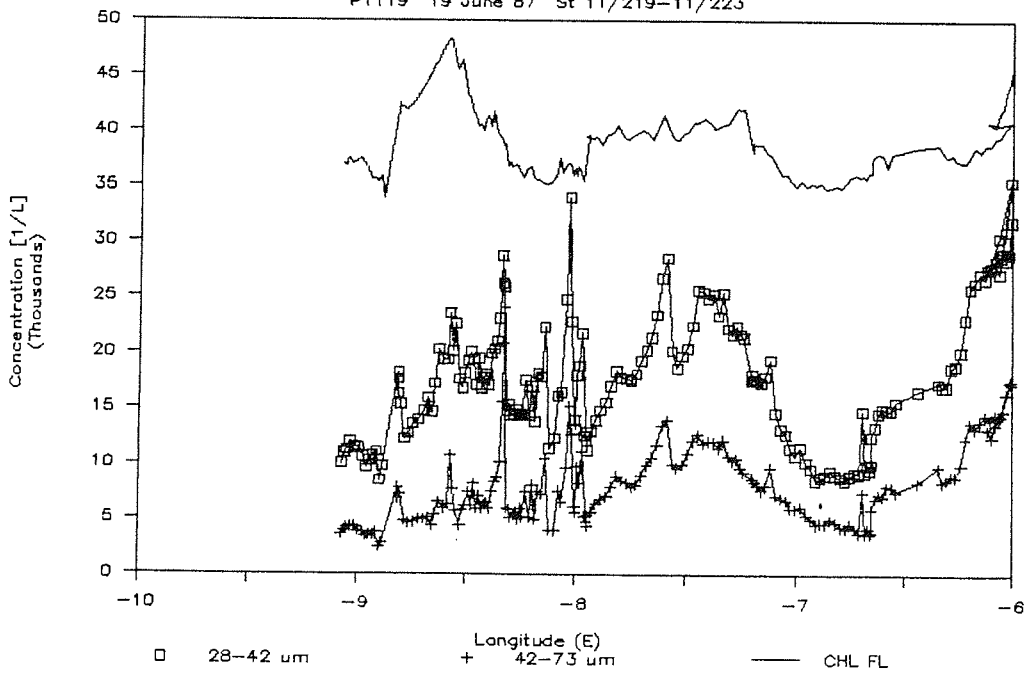
### ARK IV/2 SECTION No 3

P1119 19 June 87 St 11/219-11/223



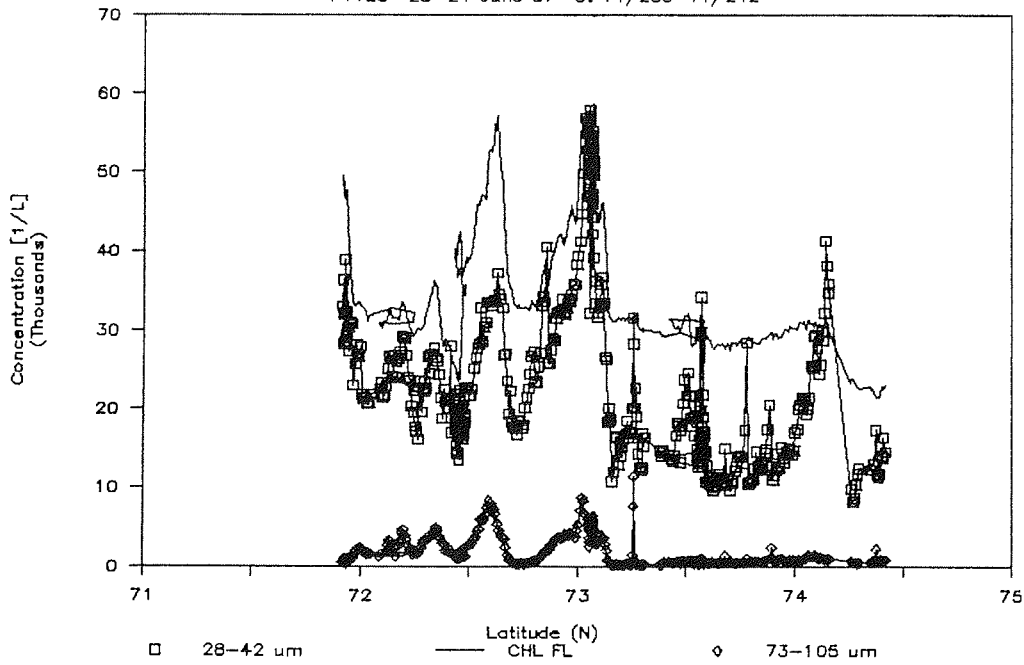
### ARK IV/2 SECTION No 3

P1119 19 June 87 St 11/219-11/223



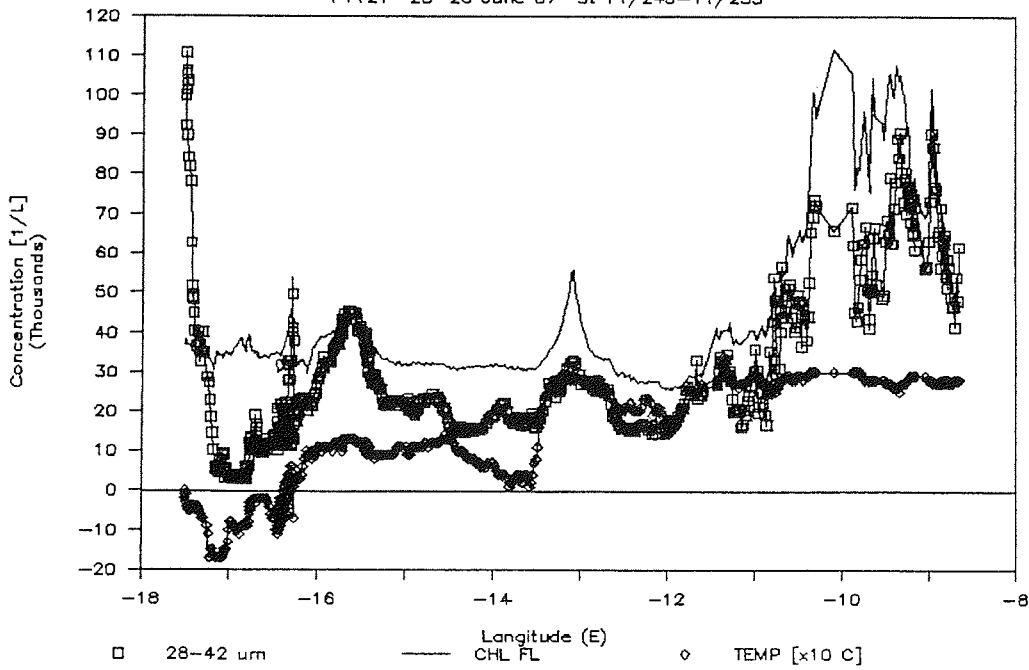
### ARK IV/2 SECTION No 5

P1120 23-24 June 87 St 11/238-11/242



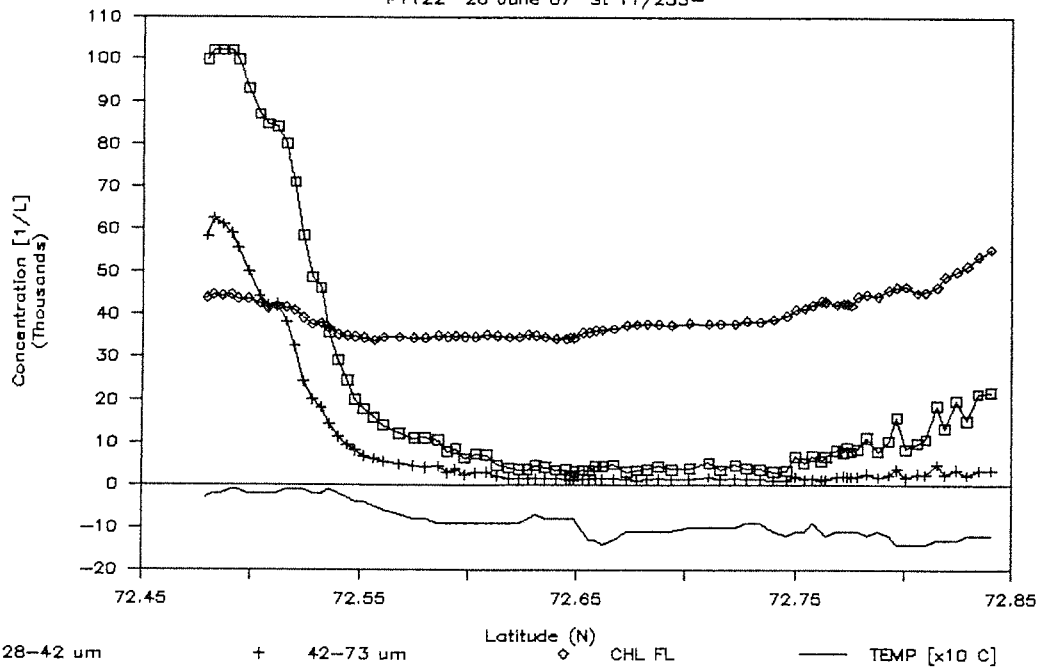
### ARK IV/2 SECTION No 6

P1121 25-26 June 87 St 11/243-11/253



# ARK IV/2 SECTION No 7

P1122 26 June 87 St 11/253-





Distribution of ultraplankton (R. Gradinger)

The abundance and size classes of ultraplankton (pico- and nanoplankton) was studied using epifluorescence microscopy. Samples were taken with a Niskin Bottle rosette sampler from different light depths. A few ml of seawater were stained with the DNA specific fluorescence stain DAPI and filtered on 0.2  $\mu$ m Nuclepore filters. Bacteria and heterotrophic nanoflagellates were counted by UV-excitation resulting in a blue fluorescence of the DNA/DAPI-complex. Autotrophic cyanobacteria and nanoflagellates could be recognized by the chlorophyll autofluorescence.

Stat.	% light depth	bacteria ( $10^5$ ind/ml)	autotrophic nanoplankton ( $10^3$ ind/ml)				cyanobacteria ( $10^2$ ind/ml)
			<2 $\mu$ m	2-5 $\mu$ m	5-10 $\mu$ m	10-20 $\mu$ m	
61	100	5.36	nd	nd	0.18	1.17	0.00
61	50	5.72	nd	nd	0.41	0.30	nd
61	30	6.16	nd	nd	0.77	0.39	nd
61	15	6.51	nd	nd	0.00	0.00	2.83
61	5	6.16	nd	nd	nd	nd	nd
61	1	5.74	nd	nd	nd	nd	3.97
66	100	10.26	nd	nd	nd	nd	1.19
66	50	4.06	nd	nd	nd	nd	0.79
66	30	5.20	nd	nd	nd	nd	1.87
66	15	4.68	nd	nd	nd	nd	1.93
66	5	5.13	nd	nd	nd	nd	1.53
66	1	4.70	nd	nd	nd	nd	2.61
72	100	8.41	nd	nd	nd	nd	0.28
72	50	11.72	nd	nd	nd	nd	0.11
72	30	12.59	nd	nd	nd	nd	0.51
72	15	10.98	nd	nd	nd	nd	0.96
72	5	10.60	nd	nd	nd	nd	0.23
72	1	11.25	nd	nd	nd	nd	0.45
87	50	12.03	22.67	in<2 $\mu$ m	0.21	0.00	0.23
87	15	12.95	24.63	in<2 $\mu$ m	0.41	0.00	0.40
87	1	11.44	24.12	in<2 $\mu$ m	0.41	0.00	0.11
91	50	9.86	16.80	in<2 $\mu$ m	0.93	0.00	0.28
91	15	9.54	14.53	in<2 $\mu$ m	0.41	0.00	0.91
91	5	8.41	13.81	in<2 $\mu$ m	0.62	0.00	0.40
94	50	5.31	7.52	in<2 $\mu$ m	1.65	0.10	4.08
94	15	5.45	8.76	in<2 $\mu$ m	0.52	0.21	4.08
94	1	4.84	10.51	in<2 $\mu$ m	0.93	0.31	2.78
101	50	6.21	17.42	in<2 $\mu$ m	1.03	0.00	0.00
101	15	5.81	13.09	in<2 $\mu$ m	1.86	0.31	0.00
101	1	5.37	17.73	in<2 $\mu$ m	0.93	0.10	0.00
102	50	6.49	12.68	in<2 $\mu$ m	0.72	0.21	0.00
102	15	6.16	11.54	in<2 $\mu$ m	0.52	0.00	0.00
102	1	3.48	2.89	in<2 $\mu$ m	0.00	0.00	0.00
104	50	8.87	16.90	in<2 $\mu$ m	1.03	0.00	0.00
104	15	9.04	22.67	in<2 $\mu$ m	0.10	0.00	0.00
104	1	7.18	12.37	in<2 $\mu$ m	0.10	0.00	0.00

Stat.	% light depth	bacteria (10 <sup>5</sup> ind/ml)	autotrophic nanoplankton (10 <sup>3</sup> ind/ml)				cyanobacteria (10 <sup>2</sup> ind/ml)
			<2μm	2-5μm	5-10μm	10-20μm	
105	50	9.96	22.88	in<2μm	0.10	0.00	0.28
105	15	10.15	22.57	in<2μm	0.10	0.00	0.62
105	1	7.86	16.49	in<2μm	0.21	0.00	0.34
109	50	11.59	35.04	in<2μm	0.00	0.00	0.34
109	15	11.09	40.40	in<2μm	0.00	0.00	0.11
109	1	9.66	26.38	in<2μm	0.21	0.00	0.00
110	50	8.44	34.83	in<2μm	0.00	0.00	0.11
110	15	8.94	35.45	in<2μm	0.21	0.00	0.40
110	1	9.82	30.40	in<2μm	0.00	0.00	0.06
132	50	1.88	6.70	0.21	0.10	0.00	0.00
132	15	1.80	3.61	0.23	0.08	0.01	0.06
132	1	1.57	0.82	0.05	0.02	0.01	0.00
135	50	4.14	39.88	2.78	0.82	0.52	0.00
135	15	4.62	31.02	1.96	0.41	0.52	0.06
135	1	2.60	4.74	0.52	0.10	0.10	0.06
136	50	4.58	38.13	1.65	0.31	0.31	0.00
136	15	4.91	51.63	1.96	0.52	0.31	0.00
136	1	2.70	27.62	1.55	0.00	0.00	0.00
138	50	4.33	35.87	1.34	0.72	0.21	0.00
138	15	3.70	31.02	2.27	0.31	0.72	0.00
138	5	2.09	3.50	0.62	0.00	0.00	0.00
149	50	2.76	4.43	0.45	0.10	0.01	0.00
149	15	2.13	2.78	0.28	0.04	0.01	0.00
149	1	1.55	0.31	0.04	0.05	0.00	0.00
151	50	4.69	46.89	4.02	1.86	0.31	0.00
151	15	4.55	46.69	4.33	0.82	0.21	0.00
151	1	3.76	29.99	2.47	0.52	0.00	0.00
153	50	19.39	16.90	4.02	1.65	0.21	0.00
153	15	9.13	10.41	2.06	1.03	0.21	0.00
153	1	4.99	7.83	1.65	0.10	0.00	0.00
157	50	8.91	5.57	9.69	0.41	0.21	0.34
157	15	8.77	7.01	7.63	0.00	0.00	0.34
157	1	7.36	1.86	1.03	0.21	0.00	0.23
163	50	1.85	0.10	0.07	0.02	0.00	0.00
163	15	2.41	0.62	0.18	0.04	0.01	0.06
163	1	1.89	0.10	0.01	0.01	0.00	0.00
168	50	11.49	7.32	0.93	1.34	0.52	0.00
168	15	7.78	3.81	0.93	1.24	0.62	0.00
168	1	5.18	5.57	0.41	0.31	0.00	0.00
172	50	7.44	10.51	1.24	0.21	0.08	1.25
172	15	9.01	9.07	1.86	0.00	0.02	0.68
172	1	8.22	3.30	1.86	0.21	0.00	0.34
174	50	2.47	0.41	0.00	0.00	0.00	0.00
174	15	4.33	1.65	0.00	0.00	0.00	0.00
174	1	3.20	0.62	1.03	0.00	0.00	0.00
179	50	7.73	5.57	2.68	1.44	0.21	0.00
179	15	7.20	7.21	0.62	1.44	0.21	0.00
179	1	5.77	2.47	0.62	0.00	0.00	0.00

Stat.	% light depth	bacteria (10 <sup>5</sup> ind/ml)	heterotrophic nanoplankton (10 <sup>2</sup> ind/ml)				choano- flagellates (10 <sup>2</sup> cells/ml)
			<2μm	2-5μm	5-10μm	10-20μm	
61	100	5.36	1.59	1.02	0.68	1.33	nd
61	50	5.72	1.36	0.68	0.68	0.59	nd
61	30	6.16	1.70	1.93	1.02	1.27	nd
61	15	6.51	2.61	2.04	0.79	1.39	nd
61	5	6.16	1.93	1.59	0.91	0.62	nd
61	1	5.74	2.61	1.59	0.23	1.05	nd
66	100	10.26	2.66	2.89	1.19	0.62	nd
66	50	4.06	3.12	2.72	0.68	0.40	nd
66	30	5.20	3.74	2.89	1.30	0.28	nd
66	15	4.68	2.55	3.51	1.02	0.40	nd
66	5	5.13	4.14	2.32	1.02	0.17	nd
66	1	4.70	3.74	2.38	0.74	0.06	nd
72	100	8.41	3.06	1.25	0.68	0.11	nd
72	50	11.72	2.44	0.91	0.45	0.11	nd
72	30	12.59	1.42	1.19	0.57	0.06	nd
72	15	10.98	1.70	1.93	0.57	0.23	nd
72	5	10.60	1.30	1.64	0.68	0.17	nd
72	1	11.25	1.53	1.76	0.68	0.62	nd
87	50	12.03	1.81	3.80	1.30	0.17	0.68
87	15	12.95	2.04	4.70	1.42	0.17	0.51
87	1	11.44	1.59	4.31	1.30	0.00	0.74
91	50	9.86	4.02	3.51	0.34	0.06	0.85
91	15	9.54	3.12	4.31	0.96	0.23	0.79
91	5	8.41	3.29	3.91	0.51	0.23	0.62
94	50	5.31	3.57	2.32	0.40	0.17	0.06
94	15	5.45	1.81	3.91	0.51	0.28	0.17
94	1	4.84	2.32	2.66	0.34	0.23	0.06
101	50	6.21	2.32	3.46	1.08	0.28	0.85
101	15	5.81	2.95	3.97	1.02	0.17	0.23
101	1	5.37	4.25	6.46	1.02	0.17	0.28
102	50	6.49	1.76	2.89	1.19	0.45	0.00
102	15	6.16	1.13	1.70	0.68	0.28	0.00
102	1	3.48	0.85	2.10	0.34	0.11	0.00
104	50	8.87	6.69	8.67	1.13	0.23	2.15
104	15	9.04	5.21	7.65	1.98	0.17	1.53
104	1	7.18	2.78	2.32	0.62	0.06	0.57
105	50	9.96	6.80	9.63	1.70	0.11	2.95
105	15	10.15	7.59	5.16	0.74	0.11	2.27
105	1	7.86	7.54	6.12	1.36	0.06	0.85
109	50	11.59	12.47	6.80	1.59	0.11	1.93
109	15	11.09	7.03	4.42	0.68	0.23	1.59
109	1	9.66	7.03	2.49	0.45	0.23	1.25
110	50	8.44	10.37	7.42	1.13	0.17	2.72
110	15	8.94	10.60	6.80	1.08	0.17	2.72
110	1	9.82	8.05	5.95	1.08	0.28	2.32
132	50	1.88	0.40	0.96	0.96	0.34	0.00
132	15	1.80	0.40	0.96	0.40	0.34	0.00
132	1	1.57	0.85	1.76	0.28	0.00	0.00
135	50	4.14	3.17	6.74	1.42	0.28	0.00

Stat.	% light depth	bacteria (10 <sup>5</sup> ind/ml)	heterotrophic nanoplankton (10 <sup>2</sup> ind/ml)				choano- flagellates (10 <sup>2</sup> cells/ml)
			<2µm	2-5µm	5-10µm	10-20µm	
135	15	4.62	4.87	4.48	1.64	0.23	0.00
135	1	2.60	1.30	1.08	0.45	0.17	0.00
136	50	4.58	1.93	4.42	1.47	0.17	0.11
136	15	4.91	3.17	7.08	1.70	0.17	0.11
136	1	2.70	2.66	1.59	0.45	0.11	0.00
138	50	4.33	1.30	2.89	1.08	0.17	0.06
138	15	3.70	3.00	4.42	1.64	0.11	0.00
138	5	2.09	1.47	1.36	0.28	0.06	0.00
149	50	2.76	0.34	0.68	0.79	0.00	0.00
149	15	2.13	0.79	0.62	0.06	0.00	0.00
149	1	1.55	0.96	0.74	0.17	0.06	0.00
151	50	4.69	5.44	11.22	3.29	0.23	0.00
151	15	4.55	5.04	12.13	4.76	0.45	0.00
151	1	3.76	1.59	7.65	5.16	0.45	0.00
153	50	19.39	3.17	8.33	1.25	0.06	0.28
153	15	9.13	2.78	7.25	0.74	0.23	0.62
153	1	4.99	5.33	4.42	0.91	0.00	0.23
157	50	8.91	1.70	3.17	2.04	0.45	11.45
157	15	8.77	2.27	5.10	1.36	0.34	10.77
157	1	7.36	1.93	4.76	1.25	0.23	11.90
163	50	1.85	0.23	0.96	0.11	0.00	0.06
163	15	2.41	2.66	2.44	0.57	0.00	0.00
163	1	1.89	0.85	1.36	0.17	0.00	0.00
168	50	11.49	8.22	13.54	4.19	0.28	2.10
168	15	7.78	2.61	11.33	3.40	0.57	2.44
168	1	5.18	2.49	3.68	1.02	0.28	2.10
172	50	7.44	3.40	2.38	0.91	0.11	10.99
172	15	9.01	3.63	1.59	1.02	0.34	7.82
172	1	8.22	3.74	2.95	0.57	0.23	0.91
174	50	2.47	1.36	1.25	0.57	0.11	0.00
174	15	4.33	4.31	4.31	1.13	0.34	0.91
174	1	3.20	3.40	2.72	0.79	0.34	0.34
179	50	7.73	4.08	10.88	1.25	0.11	6.01
179	15	7.20	7.71	10.65	2.38	0.00	3.40
179	1	5.77	4.19	5.55	1.13	0.11	5.33

nd = not determined

Activity of heterotrophic bacteria (D. J. Douglas)

The relative rates of bacterial metabolic activity and of growth were assessed by measurement of uptake of a tritiated mixture of amino acids (AA) and of incorporation of tritiated thymidine (TDR) into the macromolecular pool, respectively. These measurements were carried out at at least one depth in the upper mixed layer (between 0 and 10m) at 43 stations. Additionally, depth profiles measurements, extending from near the surface to below the euphotic zone, were made at 17 stations. Units for the rates of thymidine (TDR) incorporation are: picomoles per liter per hour (PMOL/L/H). Units for uptake rates of the amino acid mixture (AA) are: 1000 X disintegrations per liter/hour (KDPM/L/H). Standard deviations of the means calculated from duplicate samples are included in the data table.

STATION	DEPTH (M)	SAMPLE	TEMP (°C)	PMOL TDR/L/H OR KDPM AA/L/H	STAND. DEVIATION
28	0	TDR	-0.20	0.626	0.595
28	7	TDR	-0.40	0.899	0.074
28	11	TDR	-0.80	0.512	0.123
28	16	TDR	-1.00	0.446	0.316
28	28	TDR	-1.00	0.419	0.236
28	43	TDR	-1.20	0.052	0.009
28	0	AA	-0.20	ND	ND
29	0	TDR	1.50	0.049	0.013
29	0	AA	1.50	25.8	29.4
30	0	TDR	0.20	0.092	0.084
30	7	TDR	0.30	0.131	0.000
30	13	TDR	0.20	0.102	0.098
30	20	TDR	0.10	0.033	0.015
30	31	TDR	-0.06	0.035	ND
30	49	TDR	-0.30	0.077	0.040
30	0	AA	0.20	296.1	26.2
31	0	TDR		0.196	0.117
31	0	AA		132.3	127.5
32	0	TDR		0.147	0.014
32	0	AA		144.2	98.6
33	0	TDR		0.341	0.288
33	0	AA		29.9	43.3

34	0	TDR	0.90	0.025	0.002
34	5	TDR	0.87	0.042	0.042
34	9	TDR	0.85	0.113	0.156
34	14	TDR	0.84	0.048	0.016
34	23	TDR	0.89	0.305	0.282
34	35	TDR	0.98	0.060	0.041
34	0	AA	1.00	84.3	48.2
61	0	TDR	3.10	0.100	0.000
61	5	TDR	3.10	0.042	0.017
61	9	TDR	3.10	0.067	0.013
61	14	TDR	3.00	0.051	ND
61	23	TDR	3.00	0.047	0.035
61	35	TDR	3.00	0.043	0.036
61	5	AA	3.10	62.1	13.3
87	5	TDR	-0.45	0.915	0.019
87	8	TDR	-0.48	1.155	0.347
87	12	TDR	-0.49	1.066	0.123
87	19	TDR	-0.49	1.145	0.374
87	30	TDR	-0.52	0.659	0.068
87	75	TDR	-0.46	0.178	0.026
87	5	AA	-0.45	240.9	196.9
87	8	AA	-0.48	341.5	92.0
87	12	AA	-0.49	771.1	411.3
87	19	AA	-0.49	674.6	259.6
87	30	AA	-0.52	915.6	161.4
87	75	AA	-0.46	376.0	37.7
88	5	TDR		1.196	0.180
88	5	AA		501.0	279.6
89	4	TDR	-0.26	0.871	0.038
89	7	TDR	-0.26	1.120	0.577
89	11	TDR	-0.27	0.917	0.144
89	18	TDR	-0.27	0.711	0.063
89	27	TDR	-0.35	0.623	0.034
89	75	TDR	1.12	0.152	0.004
89	4	AA	-0.26	755.9	81.2
89	7	AA	-0.26	557.0	312.7
89	11	AA	-0.27	888.6	90.1
89	18	AA	-0.27	999.3	56.9
89	27	AA	-0.35	697.3	207.9
89	75	AA	1.12	240.4	60.4
90	5	TDR	-0.20	0.702	0.118
90	5	AA	-0.20	317.7	15.2
91	5	TDR	-0.70	2.380	0.349
91	5	AA	-0.70	602.2	158.1
92	5	TDR	1.42	0.289	0.003
92	5	AA	1.42	271.2	99.0

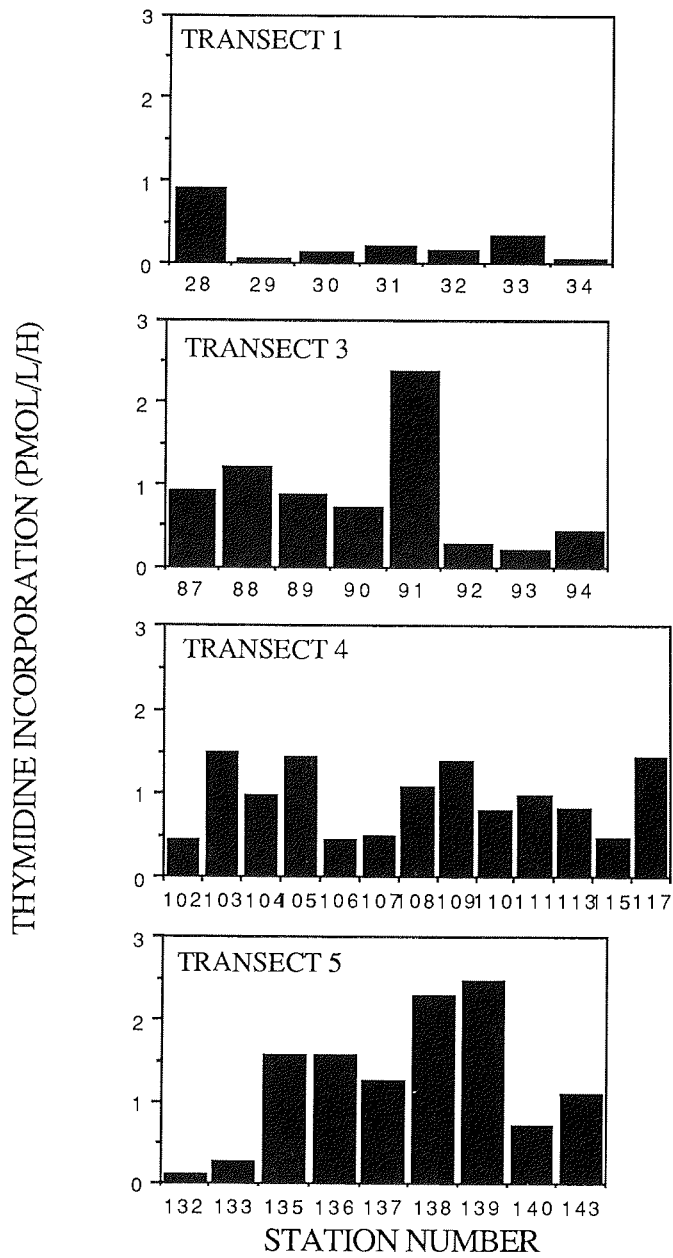
93	7	TDR	3.09	0.183	0.027
93	7	AA	3.09	54.4	17.4
94	7	TDR	4.00	0.435	0.014
94	13	TDR	3.50	0.338	0.004
94	20	TDR	3.20	0.435	0.038
94	32	TDR	3.00	0.359	0.049
94	49	TDR	2.50	0.441	0.056
94	75	TDR	2.50	0.053	0.011
94	7	AA	4.00	390.2	ND
94	13	AA	3.50	200.6	106.1
94	20	AA	3.20	126.2	1.4
94	32	AA	3.00	216.0	55.6
94	49	AA	2.50	211.9	52.1
94	75	AA	2.20	30.2	8.6
102	6	TDR	2.90	0.447	0.005
102	10	TDR	2.90	0.532	0.008
102	16	TDR	2.90	0.685	0.069
102	25	TDR	2.80	0.328	0.014
102	38	TDR	2.70	0.083	0.012
102	75	TDR	2.40	0.086	0.014
102	6	AA	2.94	152.8	13.0
103	5	TDR	0.83	1.478	0.175
103	5	AA	0.83	855.1	172.5
104	5	TDR		0.960	0.070
104	5	AA		252.9	305.9
105	5	TDR	-0.09	1.423	0.044
105	5	AA	-0.09	147.0	55.5
106	5	TDR	0.70	0.440	0.046
106	5	AA	0.70	238.6	67.7
107	5	TDR	0.49	0.478	0.057
107	5	AA	0.49	22.1	13.7
108	5	TDR		1.067	0.083
108	5	AA		99.2	63.0
109	5	TDR		1.388	0.108
109	5	AA		533.3	42.8
110	5	TDR	-0.35	0.809	0.104
110	8	TDR	-0.35	0.751	0.153
110	12	TDR	-0.35	0.802	0.179
110	19	TDR	-0.35	1.022	0.012
110	30	TDR	-0.35	0.985	0.077
110	75	TDR	-1.00	0.348	0.042
110	5	AA	-0.35	213.2	58.9

111	5	TDR		0.976	0.027
111	5	AA		489.3	9.3
113	12	TDR	-1.04	0.820	0.003
113	12	AA	-1.04	432.5	96.0
115	9	TDR	-0.97	0.462	0.217
115	9	AA	-0.97	461.1	11.7
117	9	TDR	-0.87	1.440	0.172
117	13	TDR	-0.89	1.485	0.571
117	18	TDR	-0.92	1.686	0.056
117	31	TDR	-1.11	1.270	0.268
117	45	TDR	-1.30	0.763	0.036
117	75	TDR	-1.78	0.265	0.049
117	7	AA	-0.87	547.8	24.6
132	10	TDR	-1.70	0.094	0.008
132	20	TDR	-1.70	0.053	0.006
132	31	TDR	-1.70	0.065	0.014
132	47	TDR	-1.70	0.035	0.014
132	75	TDR	-1.30	0.056	0.003
132	99	TDR	-1.00	0.093	0.001
132	10	AA	-1.70	80.6	32.3
133	11	TDR	-1.64	0.240	0.017
133	11	AA	-1.64	171.9	30.5
135	5	TDR	0.14	1.545	0.092
135	9	TDR	0.12	1.374	0.059
135	13	TDR	0.55	1.302	0.067
135	20	TDR	0.62	0.865	0.012
135	32	TDR	0.65	0.698	0.144
135	75	TDR	0.38	0.213	0.017
135	5	AA	0.14	508.3	97.8
136	5	TDR	0.05	1.571	0.045
136	10	TDR	0.02	1.321	0.088
136	13	TDR	0.03	1.974	0.065
136	20	TDR	-0.05	0.920	0.041
136	32	TDR	0.03	0.488	0.041
136	75	TDR	0.03	0.123	0.010
136	5	AA	0.14	672.3	49.2
137	9	TDR	-0.03	1.234	0.076
137	9	AA	-0.03	424.7	251.8
138	5	TDR	0.18	2.290	0.237
138	5	AA	0.18	987.3	64.6
139	5	TDR	0.35	2.462	ND
139	5	AA	0.35	376.2	ND
140	5	TDR		0.713	0.045
140	5	AA		365.6	122.6

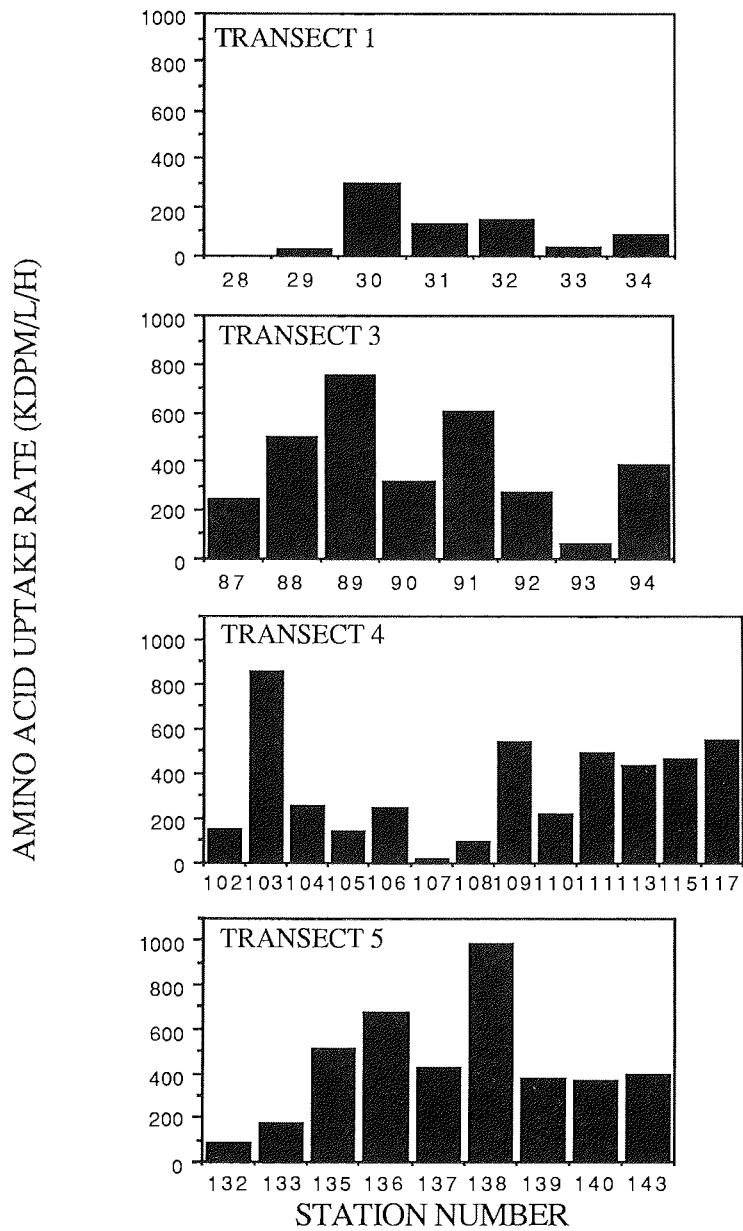


143	5	TDR	-0.44	1.092	0.043
143	8	TDR	-0.55	1.022	0.035
143	12	TDR	-0.60	1.071	0.053
143	19	TDR	-0.61	0.472	0.008
143	30	TDR	-0.98	0.342	0.039
143	75	TDR	-1.12	0.254	0.015
143	5	AA	-0.44	394.7	24.3
155	3	TDR	0.77	5.204	0.132
155	5	TDR	0.73	5.619	0.021
155	8	TDR	0.74	5.897	0.086
155	12	TDR	0.82	6.538	0.470
155	19	TDR		4.131	0.102
155	75	TDR		0.542	0.050
155	3	AA	0.77	121.8	27.9
163	11	TDR	-1.54	0.010	0.003
163	18	TDR	-1.53	0.037	0.004
163	27	TDR	-1.40	0.090	0.029
163	45	TDR	-1.72	0.224	0.005
163	69	TDR	-1.01	0.032	0.001
163	84	TDR	-0.60	0.003	0.001
163	11	AA	-1.54	5.5	2.1
168	5	TDR	-0.86	4.496	0.462
168	5	AA	-0.86	125.3	540.9
173	5	TDR	2.30	1.454	0.028
173	8	TDR	2.30	1.731	0.054
173	12	TDR	2.30	1.703	0.009
173	19	TDR	1.80	1.431	0.145
173	30	TDR	1.60	1.151	0.035
173	75	TDR	1.50	0.598	0.008
173	5	AA	2.30	669.8	502.3
178	4	TDR	1.20	1.518	0.170

Thymidine incorporation rate on four transects



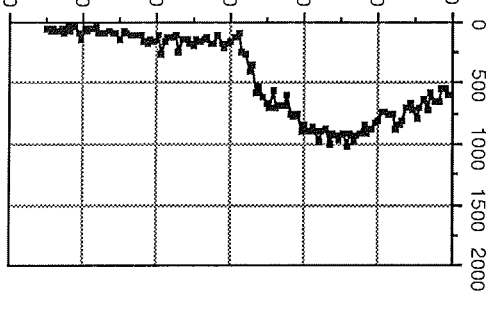
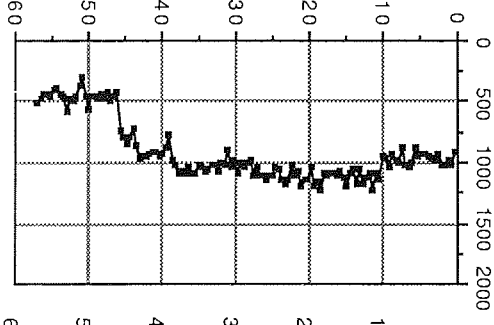
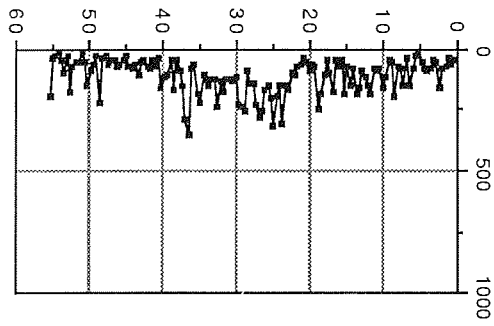
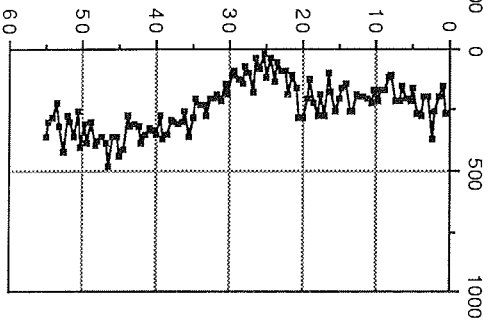
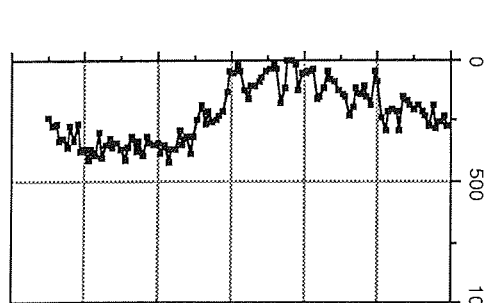
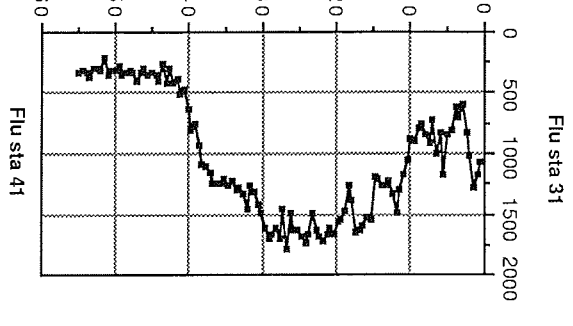
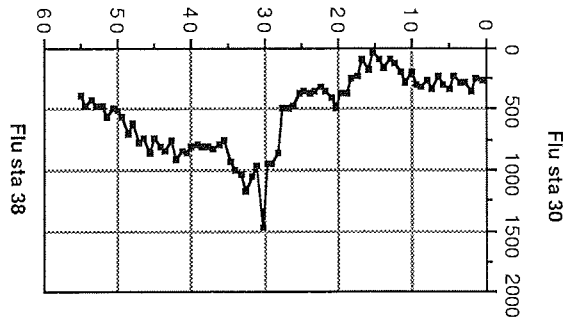
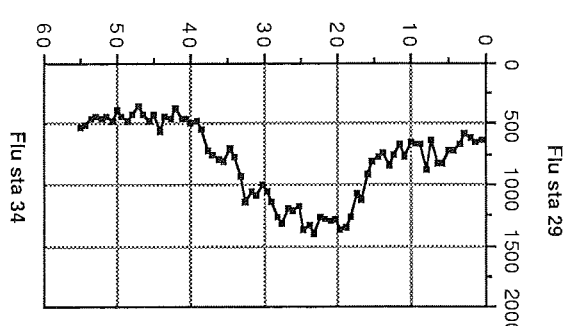
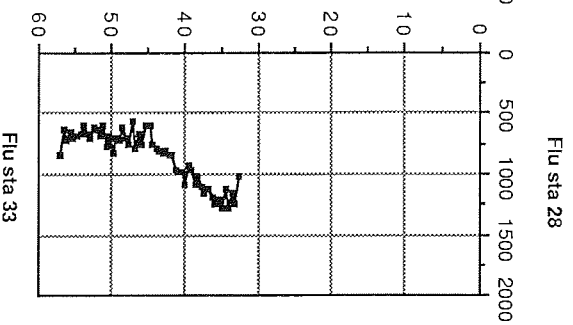
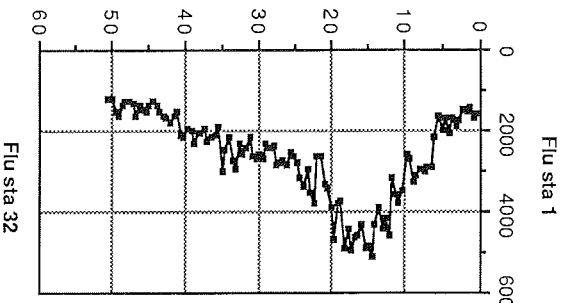
Amino acid uptake rates on four transects

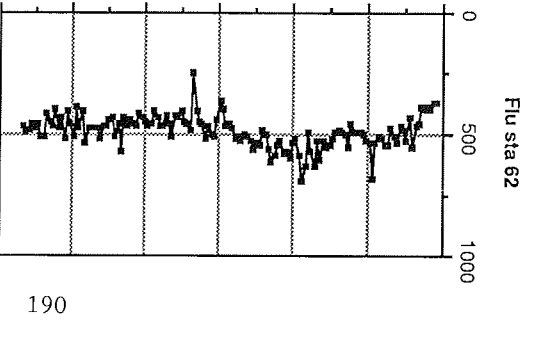
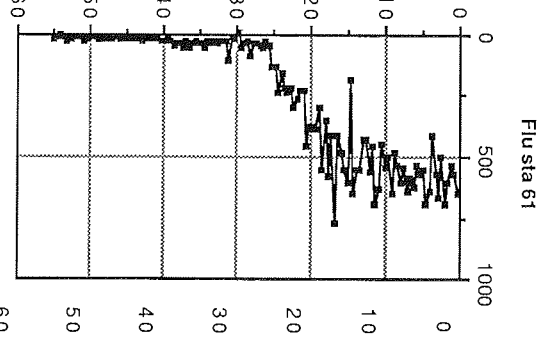
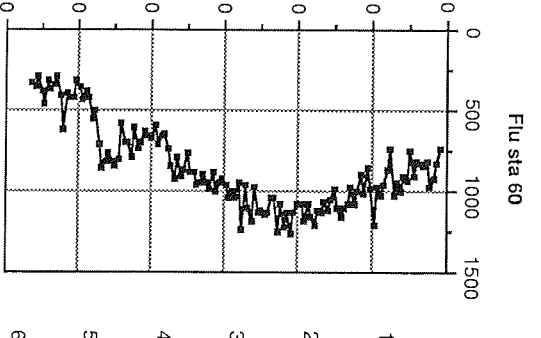
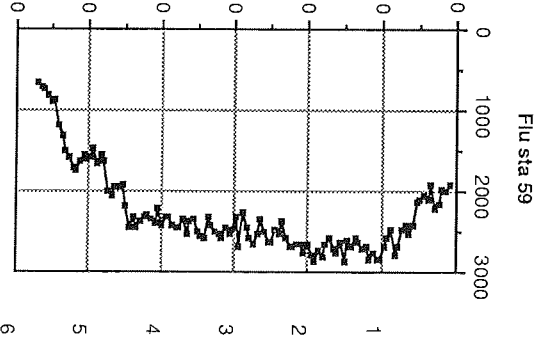
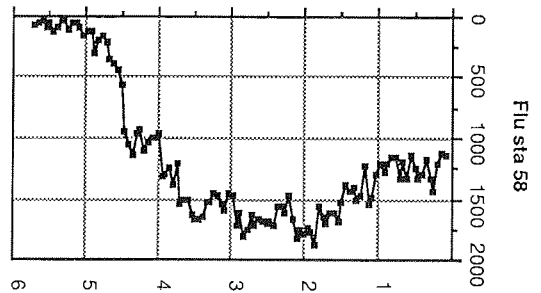
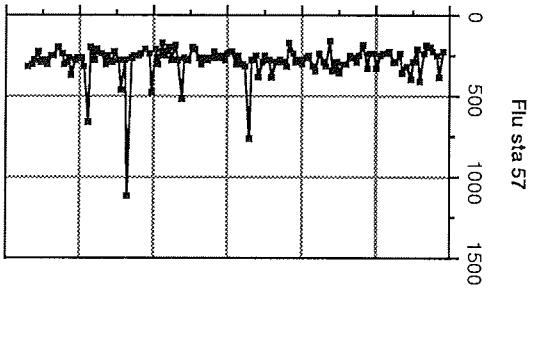
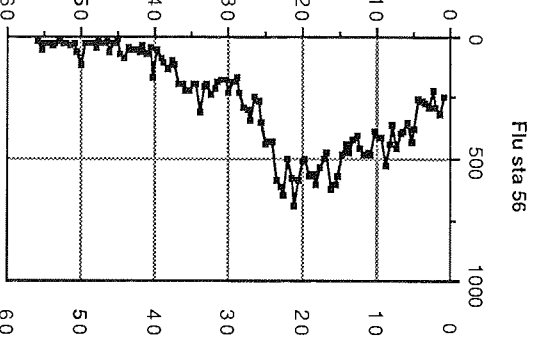
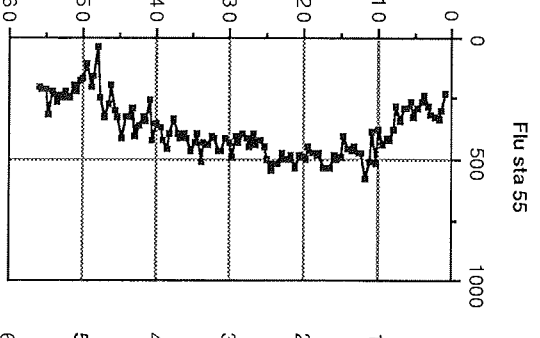
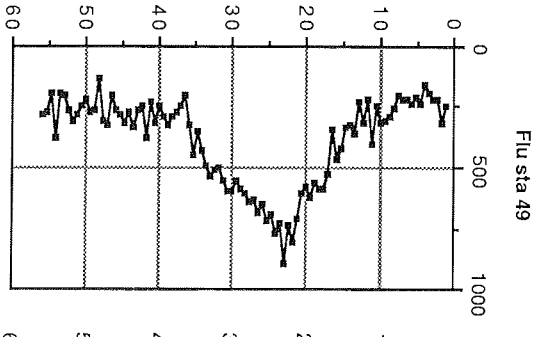
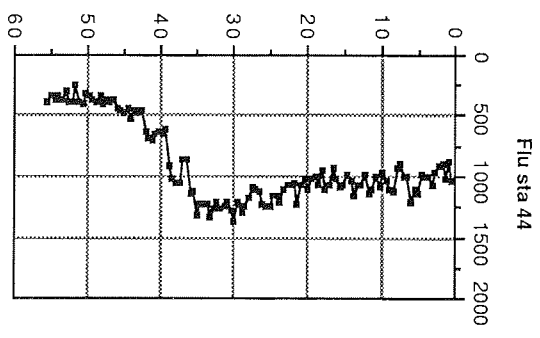


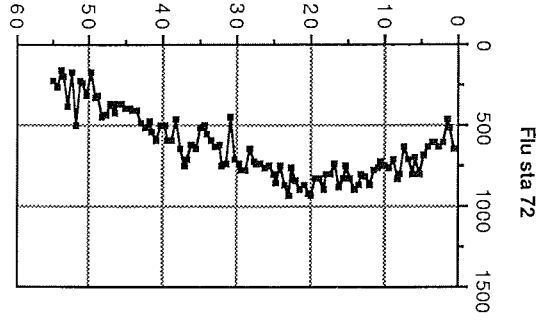
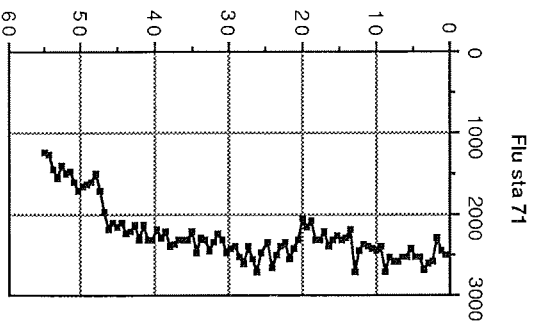
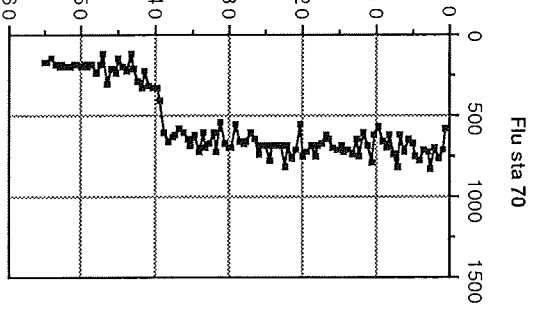
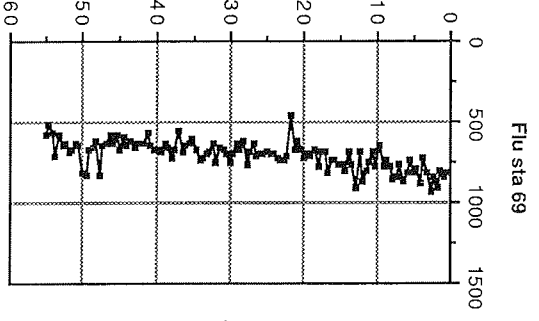
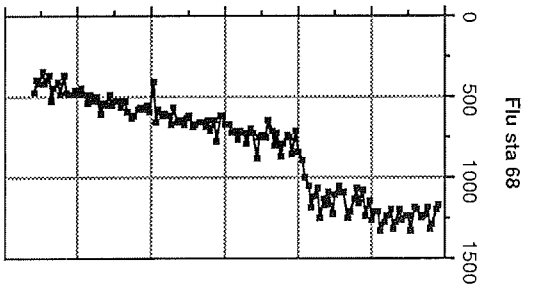
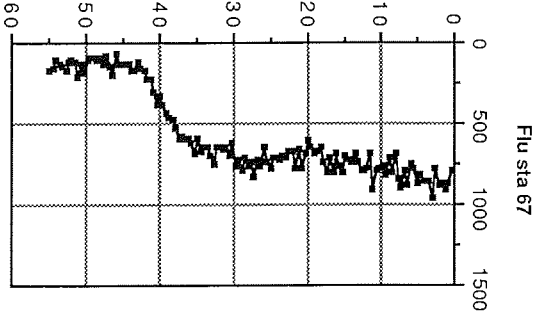
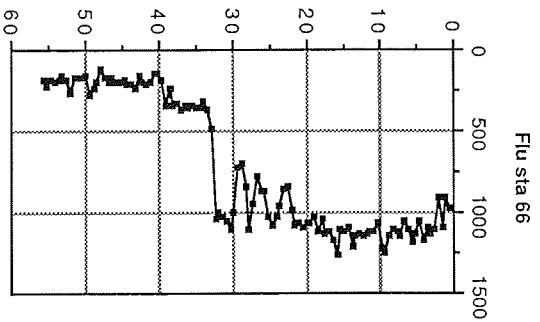
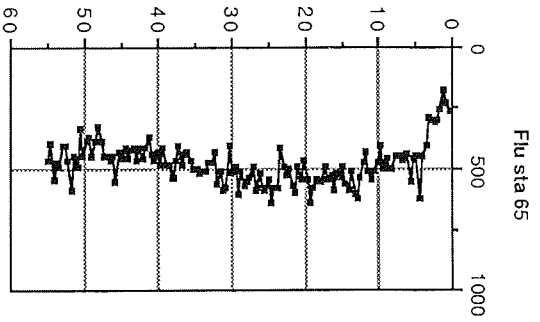
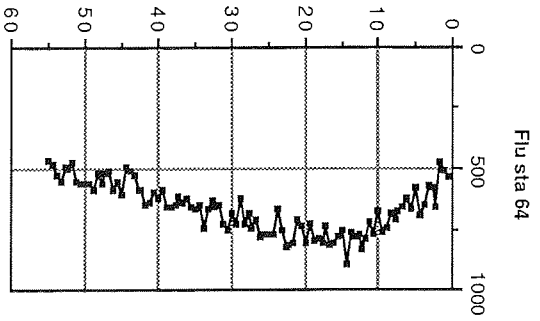
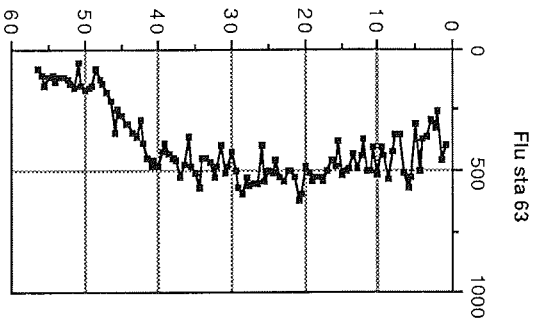
Vertical profiles of chlorophyll fluorescence  
(H.-J. Hirche)

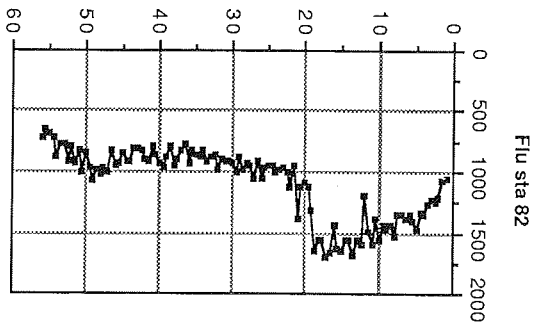
Chlorophyll fluorescence profiles were measured with a Backscat Fluorometer (Fa. Haardt). Flash frequency was 30 Hz. Each data point represents an integration of 25 measurements. Comparison with fluorometric chlorophyll determinations using a culture of Thalassiosira gravida gave the regression:

$$\text{total chlorophyll } (\mu\text{g/l}) = 0.0025 \times \text{fluorescence}$$

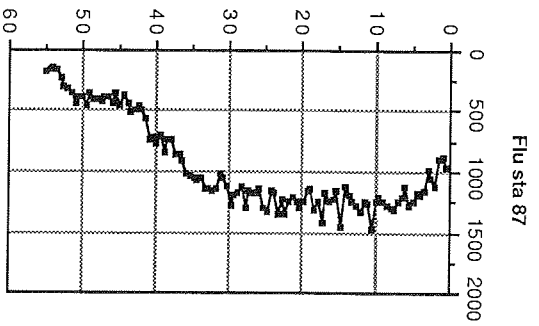




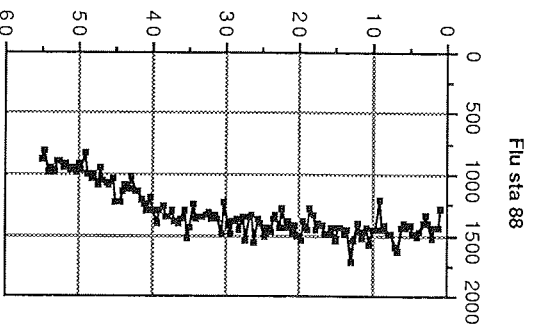




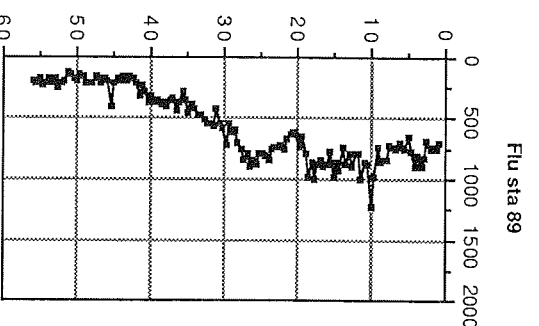
Flu sta 82



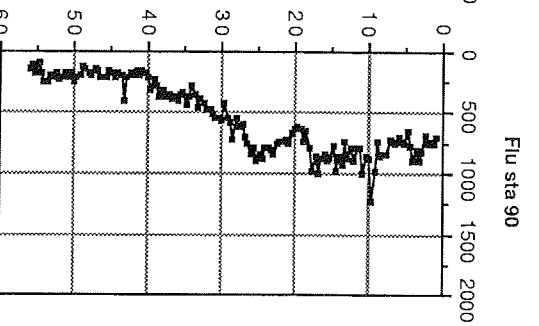
Flu sta 87



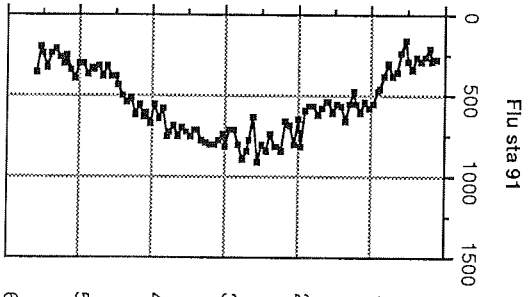
Flu sta 88



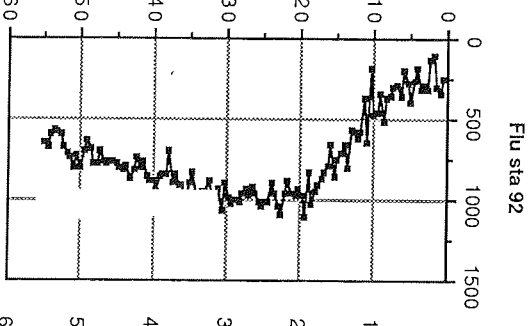
Flu sta 89



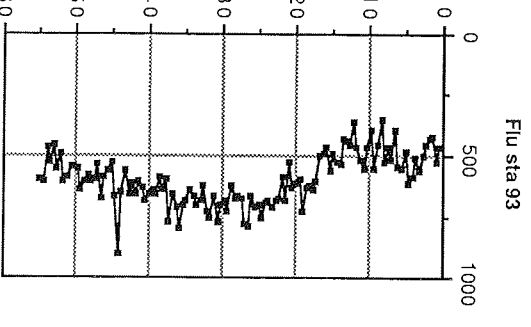
Flu sta 90



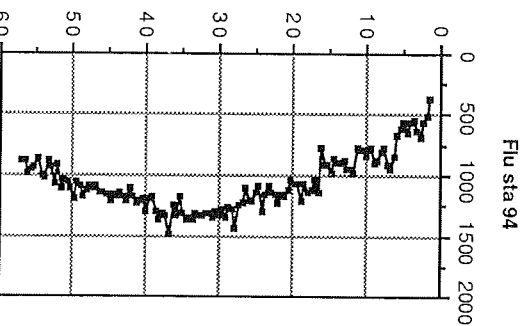
Flu sta 91



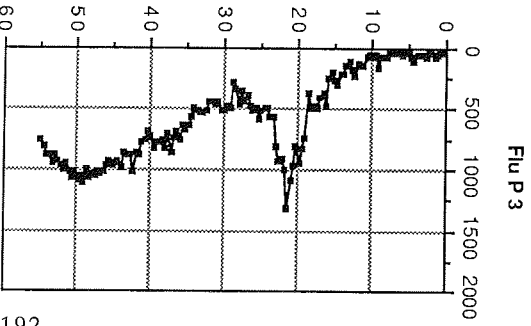
Flu sta 92



Flu sta 93

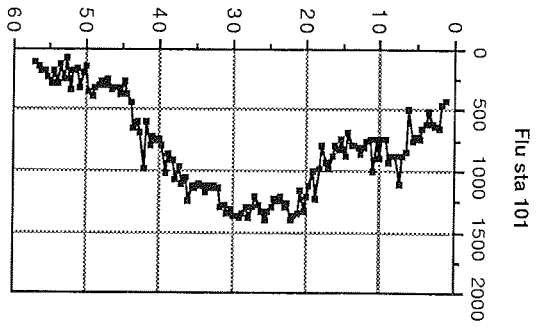


Flu sta 94

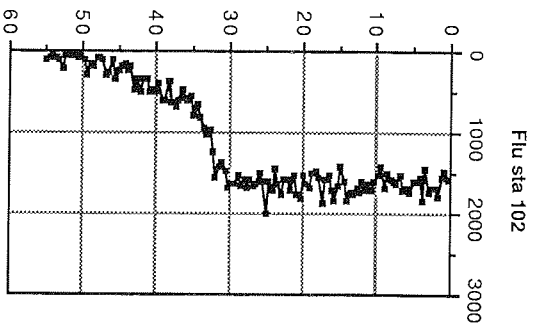


Flu P 3

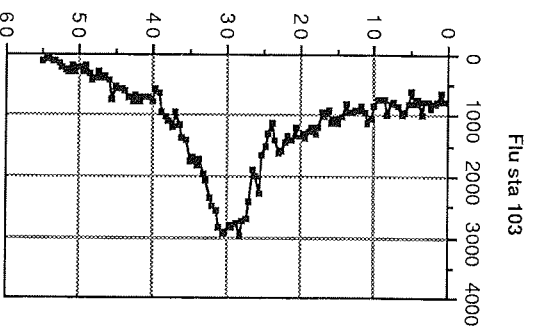




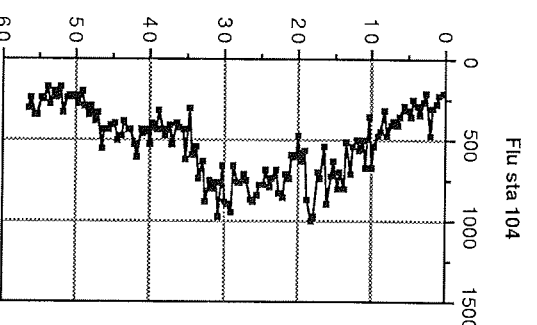
Flu sta 101



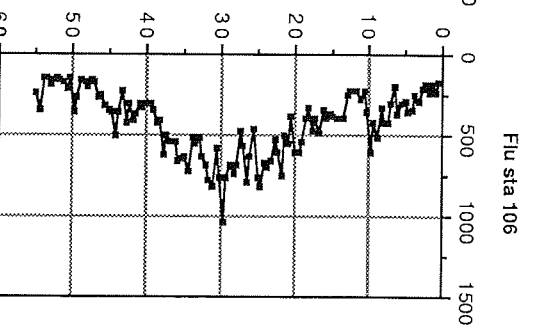
Flu sta 102



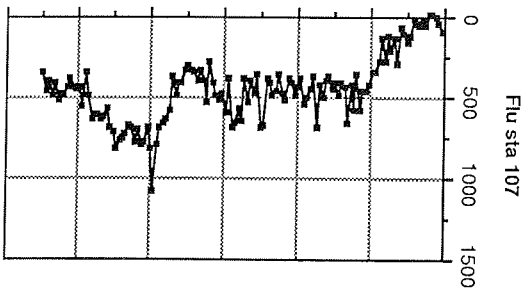
Flu sta 103



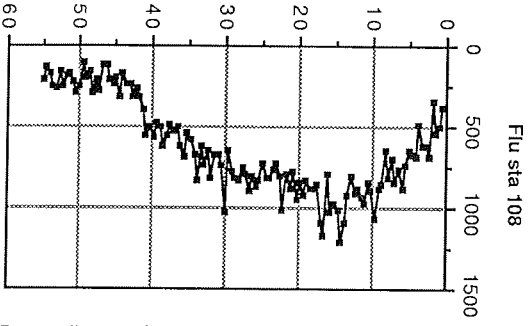
Flu sta 104



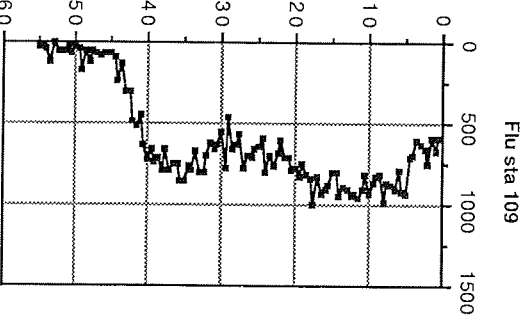
Flu sta 106



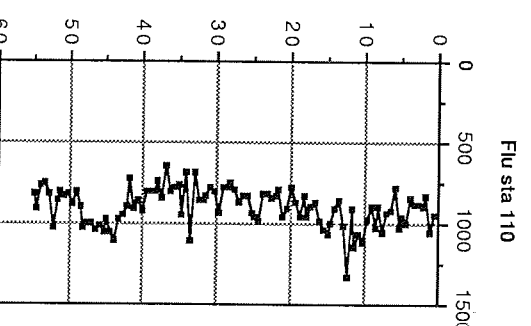
Flu sta 107



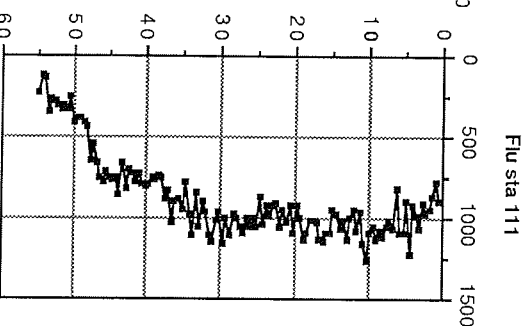
Flu sta 108



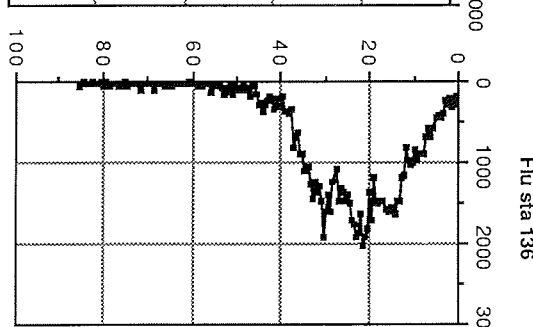
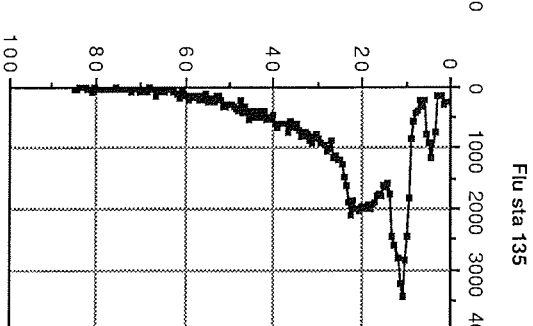
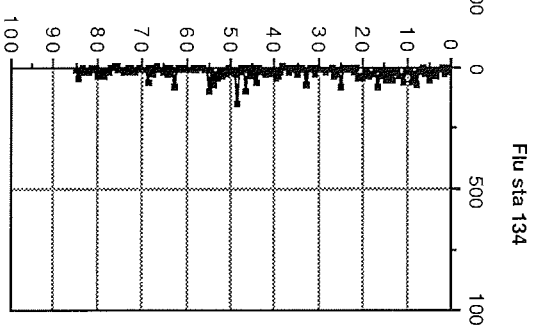
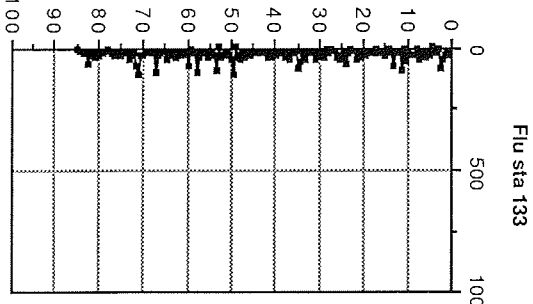
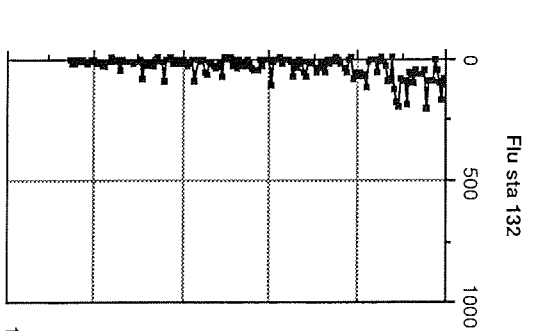
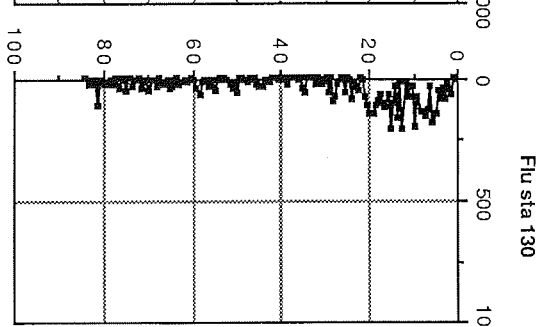
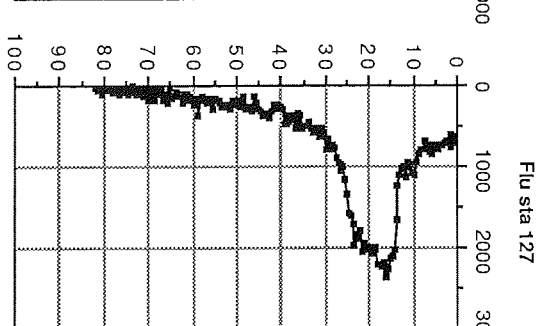
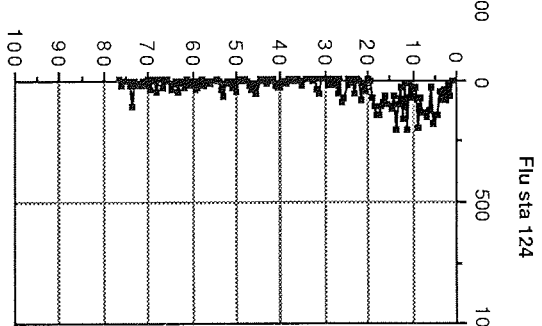
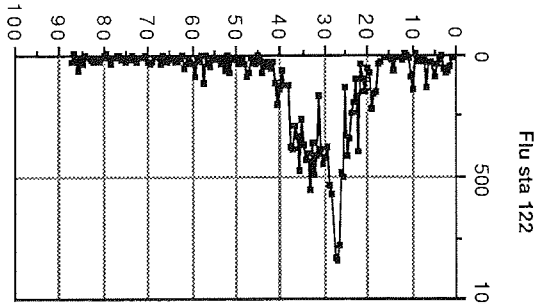
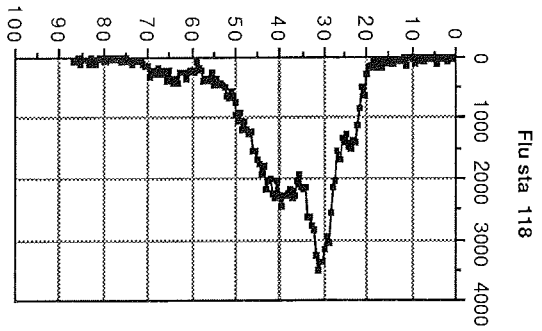
Flu sta 109

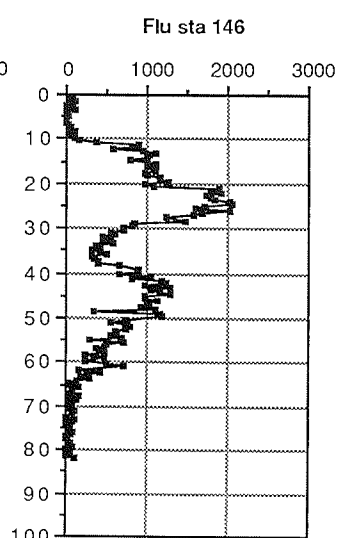
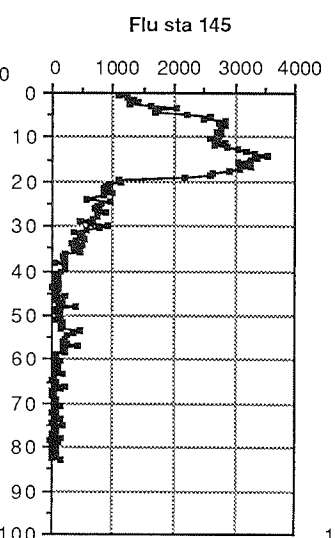
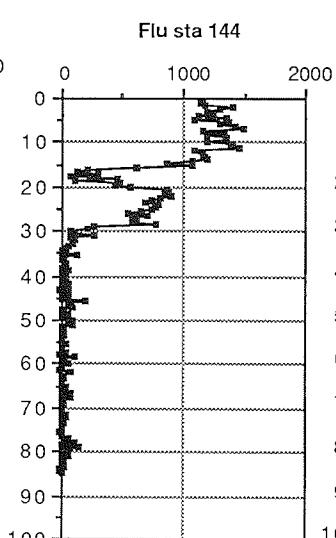
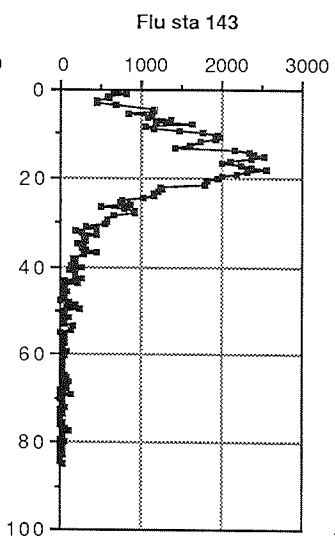
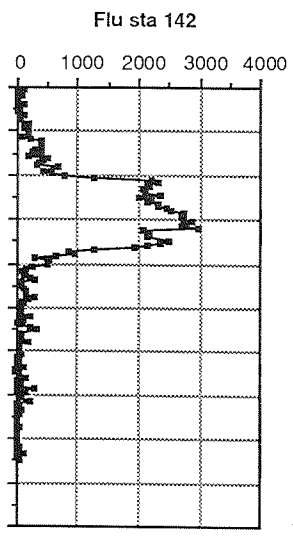
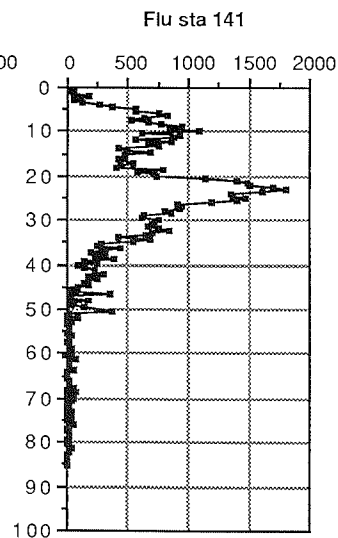
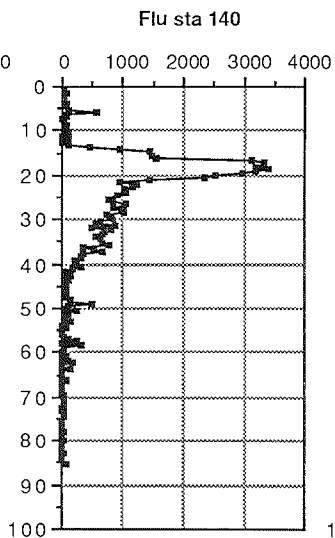
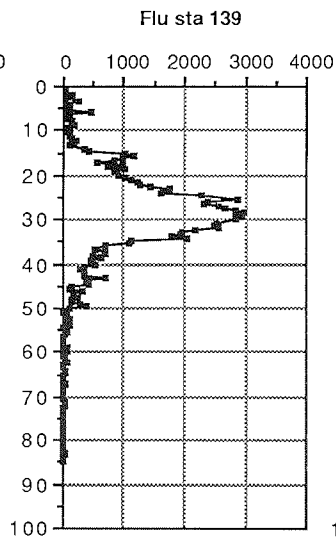
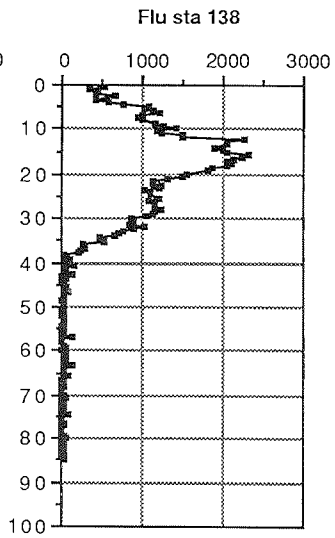
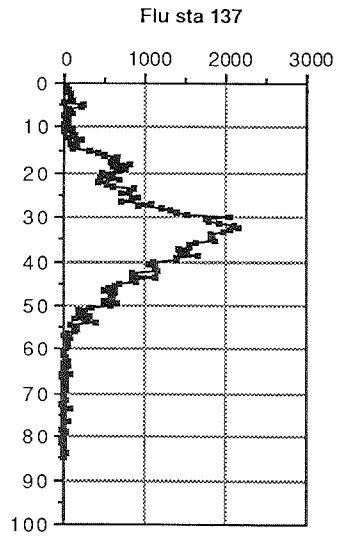


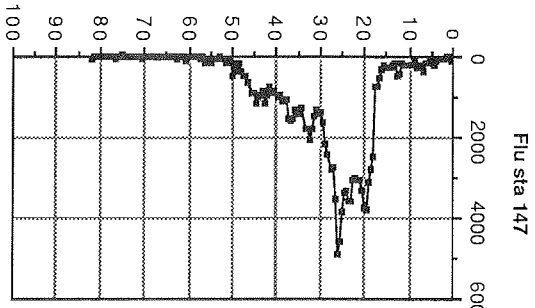
Flu sta 110



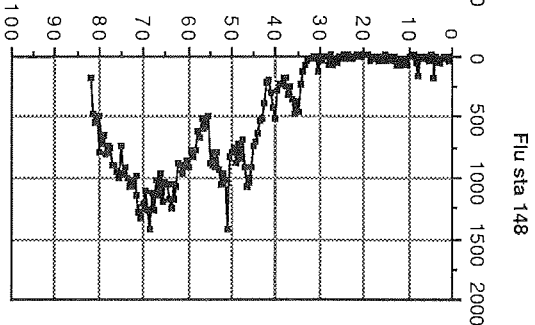
Flu sta 111



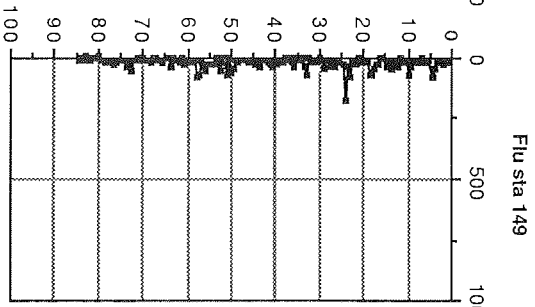




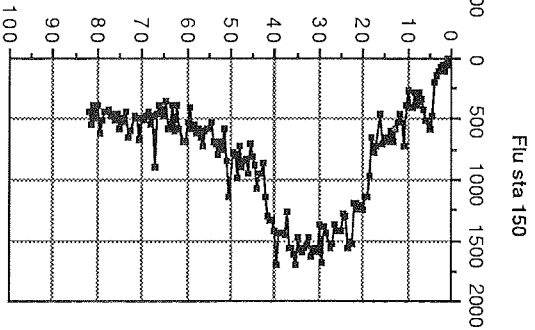
Flu sta 147



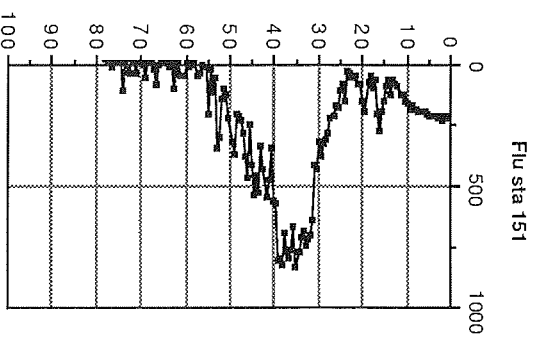
Flu sta 148



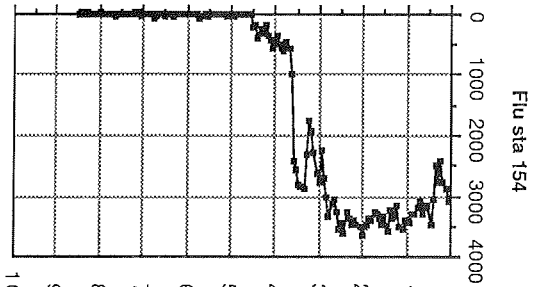
Flu sta 149



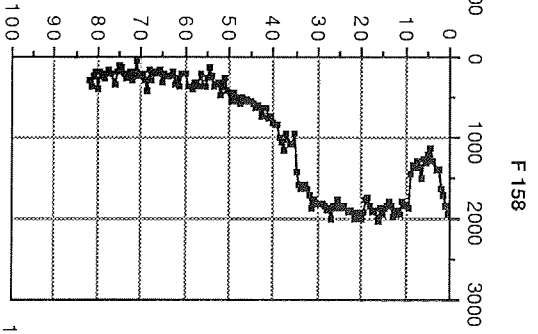
Flu sta 150



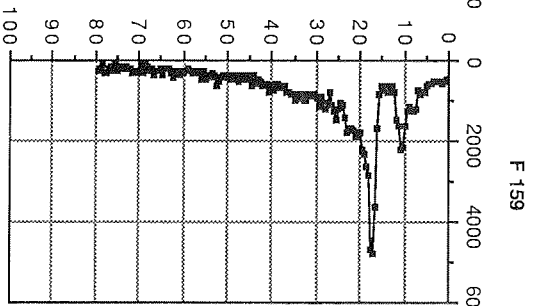
Flu sta 151



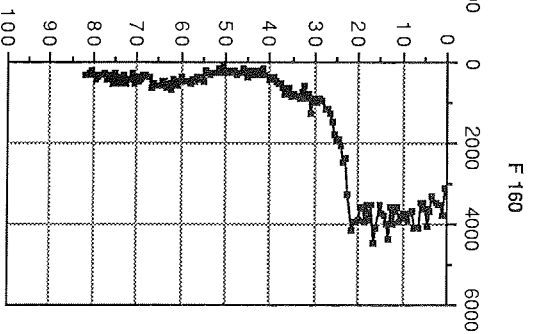
Flu sta 154



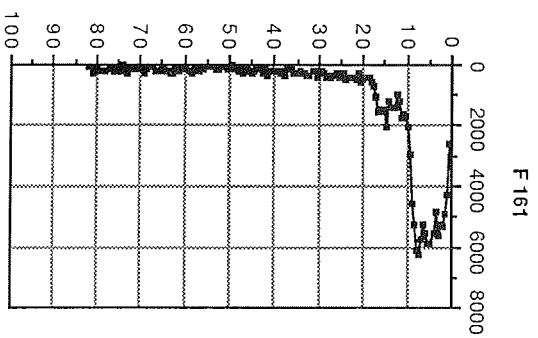
F 158



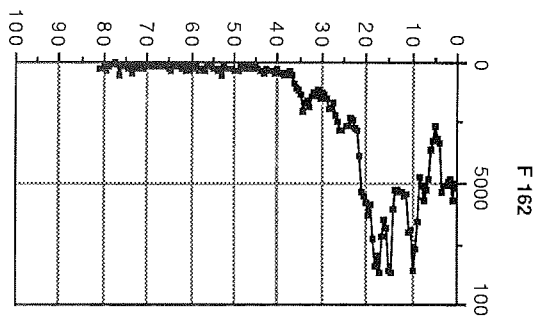
F 159



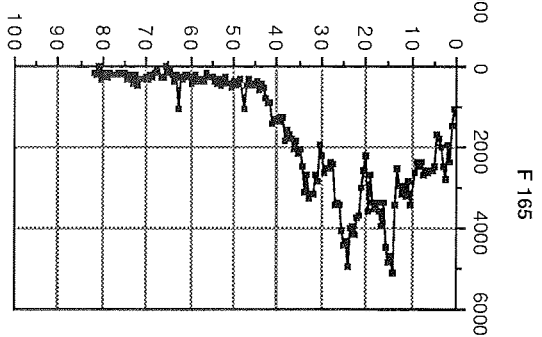
F 160



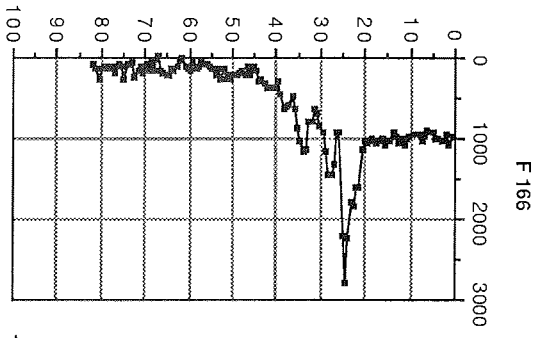
F 161



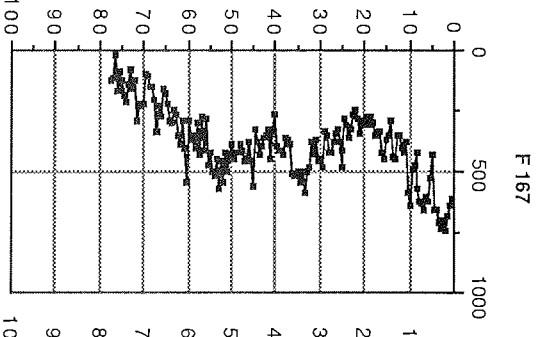
F-162



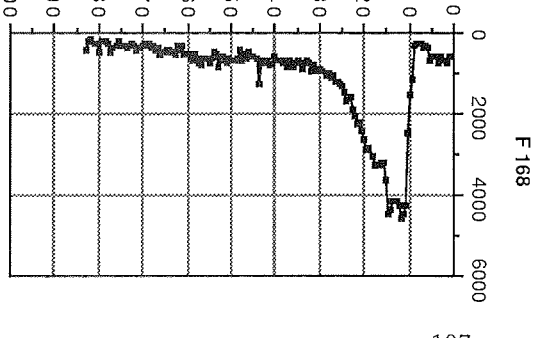
F-165



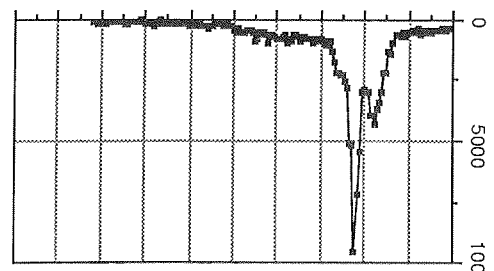
F-166



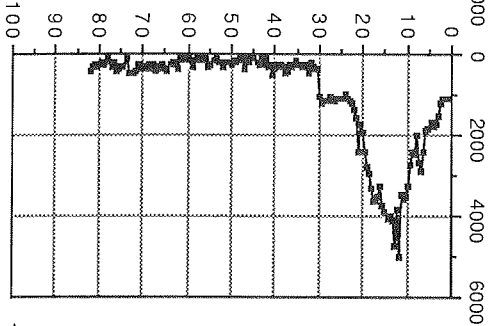
F-167



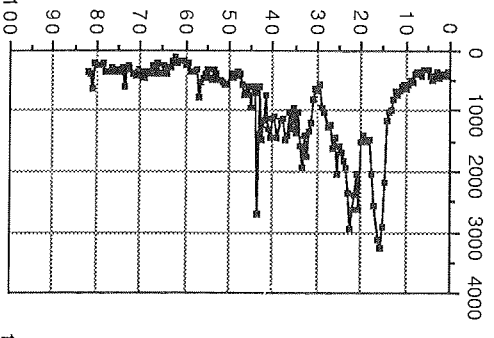
F-168



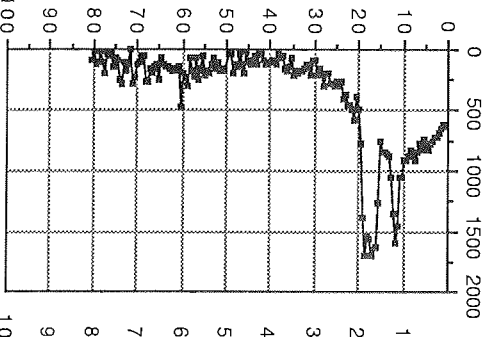
F-169



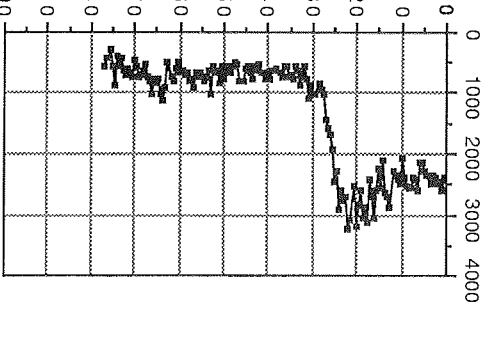
F-169A



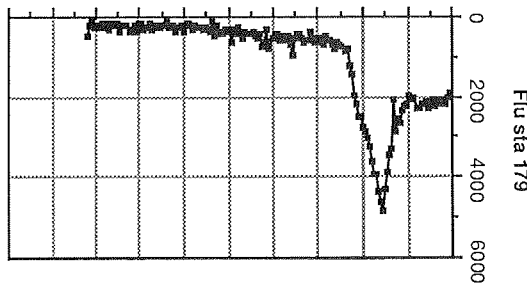
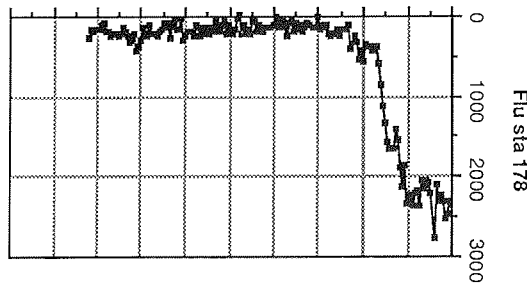
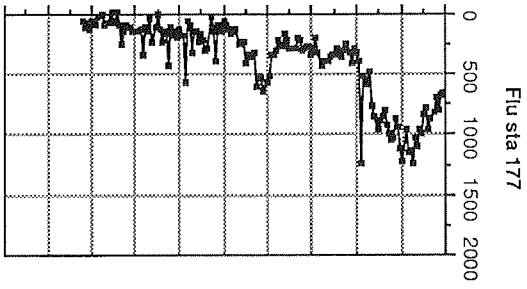
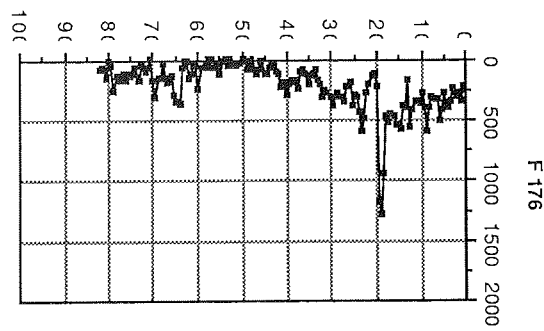
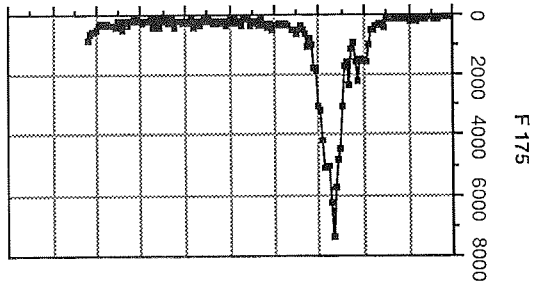
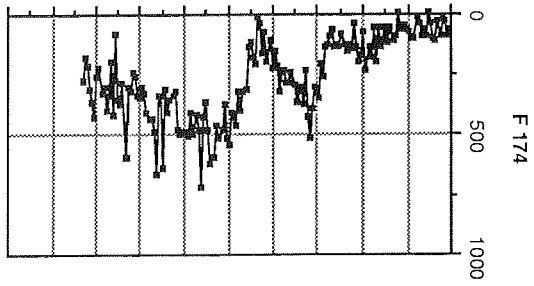
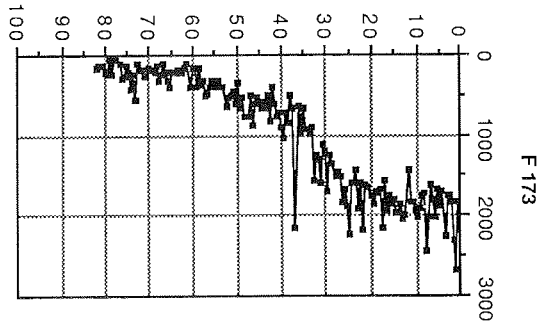
F-170



F-171



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1

### Primary production (M.E.M. Baumann)

Samples were collected with a 6 x 30 l PVC-bottle rosette system (HydroBios, Inc.). Sample depths were based on light penetration and corresponded to 100, 50, 30, 15, 5, and 1 % of surface irradiance. Light attenuation was estimated by a secchi disk. Primary production was measured via incorporation of  $^{14}\text{C-HCO}_3$ . Samples were dispensed into 100 ml clear, glass bottles, and about 5  $\mu\text{Ci}$  were added. Duplicate samples were measured after passing through a 20  $\mu\text{m}$ -net to get an idea about the contribution of the phytoplankton smaller than 20  $\mu\text{m}$  to the total amount of production. Production was measured in a laboratory incubator provided with a cooling unit. Temperature during all measurements was held constant at 0°C. Six several light levels were obtained with the aid of neutral density filters. Continuous light was provided by light tubes from above. The following intensities measured by a 4 $\pi$ -light gauge (LiCor LI 185 b, Inc.) were used for the respective samples:

sample from the light depth	light intensity ( $\mu\text{E}/\text{cm}^2 \times \text{s}$ )
100 %	415.0
50 %	200.0
30 %	120.0
15 %	65.0
5 %	21.0
1 %	4.4

The intensity of the 100 % light depths represents a typical value that could be measured during former cruises just below the surface in the high Arctic. The standard conditions were chosen in order to gain a better comparability of the several stations.

depth (m)	light- depth (%)	frakt. smaller than ( $\mu\text{m}$ )	primary production per depth		integrated over euphotic zone			
			(mg C/ $\text{m}^3 \times \text{h}$ )	(mg C/ $\text{m}^3 \times \text{d}$ )	total (mg C/ $\text{m}^2 \times \text{d}$ )	frakt. (mg C/ $\text{m}^2 \times \text{d}$ )		
station: 28								
0	100	-	0,65	15,56	432,86	199,48		
0	100	20	0,37	8,86				
6	50	-	0,74	17,72				
6	50	20	0,37	8,86				
11	30	-	0,81	19,45				
11	30	20	0,50	11,88				
18	15	-	0,51	12,32				
18	15	20	0,27	6,48				
28	5	-	0,20	4,75				
28	5	20	0,09	2,16				
43	1	-	0,05	1,08				
43	1	20	0,02	0,43				
station: 29								
0	100	-	0,35	8,30			115,22	-
4	50	-	0,35	8,30				
8	30	-	0,31	7,43				
12	15	-	0,17	4,15				
19	5	-	0,05	1,31				
30	1	-	0,01	0,22				
station: 30								
0	100	-	0,29	6,99	238,42	148,22		
0	100	20	0,20	4,80				
6	50	-	0,55	13,10				
6	50	20	0,26	6,33				
11	30	-	0,50	12,01				
11	30	20	0,35	8,52				
18	15	-	0,21	5,02				
18	15	20	0,14	3,28				
28	5	-	0,10	2,40				
28	5	20	0,07	1,75				
43	1	-	0,01	0,18				
43	1	20	0,00	0,00				
station: 31								
0	100	-	0,54	12,85			129,44	-
5	50	-	0,42	10,02				
8	30	-	0,41	9,86				
12	15	-	0,09	2,12				
19	5	-	0,05	0,99				
30	1	-	0,01	0,39				



depth (m)	light- depth (%)	frakt. smaller than ( $\mu\text{m}$ )	primary production per depth		integrated over the euphotic zone	
			(mg C/ $\text{m}^3 \times \text{h}$ )	(mg C/ $\text{m}^3 \times \text{d}$ )	total (mg C/ $\text{m}^2 \times \text{d}$ )	frakt. (mg C/ $\text{m}^2 \times \text{d}$ )
station: 32						
0	100	-	0,28	6,83	121,98	-
5	50	-	0,46	11,01		
8	30	-	0,29	7,12		
13	15	-	0,15	3,45		
21	5	-	0,03	0,81		
33	1	-	0,02	0,41		
station 34:						
0	100	-	1,22	29,30	408,82	232,97
0	100	20	0,59	14,10		
5	50	-	1,16	27,96		
5	50	20	0,36	8,72		
9	30	-	0,63	15,15		
9	30	20	0,59	14,10		
14	15	-	0,44	10,52		
14	15	20	0,41	9,71		
23	5	-	0,25	5,96		
23	5	20	0,10	2,34		
35	1	-	0,02	0,52		
35	1	20	0,02	0,41		
station 61:						
0	100	-	0,44	10,52	189,23	160,21
0	100	20	0,39	9,23		
5	50	-	0,37	8,87		
5	50	20	0,37	8,81		
9	30	-	0,41	9,88		
9	30	20	0,25	6,11		
14	15	-	0,27	6,50		
14	15	20	0,26	6,22		
23	5	-	0,12	2,95		
23	5	20	0,10	2,37		
35	1	-	0,02	0,35		
35	1	20	0,01	0,26		
station 63:						
0	100	-	0,54	12,98	246,17	-
6	50	-	0,49	11,76		
11	30	-	0,38	9,07		
17	15	-	0,35	8,50		
27	5	-	0,08	2,01		
40	1	-	0,02	0,40		

depth (m)	light- depth (%)	frakt. smaller than ( $\mu\text{m}$ )	primary production per depth		integrated over the euphotic zone	
			(mg C/ $\text{m}^3 \times \text{h}$ )	(mg C/ $\text{m}^3 \times \text{d}$ )	total (mg C/ $\text{m}^2 \times \text{d}$ )	frakt. (mg C/ $\text{m}^2 \times \text{d}$ )
station 65:						
0	100	-	0,63	15,24	240,26	159,56
0	100	20	0,47	11,36		
5	50	-	0,52	12,67		
5	50	20	0,42	10,18		
9	30	-	0,49	11,63		
9	30	20	0,21	5,12		
14	15	-	0,33	7,91		
14	15	20	0,21	5,12		
23	5	-	0,14	3,28		
23	5	20	0,09	2,21		
35	1	-	0,02	0,51		
35	1	20	0,02	0,46		
station 66:						
0	100	-	0,95	22,66	327,31	224,81
0	100	20	0,82	19,65		
5	50	-	0,76	18,29		
5	50	20	0,61	14,76		
9	30	-	0,71	17,02		
9	30	20	0,51	12,27		
13	15	-	0,49	11,89		
13	15	20	0,38	9,20		
21	5	-	0,10	2,53		
21	5	20	0,02	0,37		
32	1	-	0,02	0,36		
32	1	20	0,01	0,27		
station 67:						
0	100	-	0,57	13,50	187,94	148,43
0	100	20	0,42	10,21		
5	50	-	0,51	12,17		
5	50	20	0,39	9,39		
8	30	-	0,39	9,31		
8	30	20	0,32	7,61		
13	15	-	0,30	6,95		
13	15	20	0,25	5,85		
21	5	-	0,09	2,34		
21	5	20	0,07	1,70		
32	1	-	0,01	0,17		
32	1	20	0,01	0,13		

depth (m)	light- depth (%)	frakt. smaller than ( $\mu$ m)	primary production per depth		integrated over the euphotic zone			
			(mg C/ $m^3 \times h$ )	(mg C/ $m^3 \times d$ )	total (mg C/ $m^2 \times d$ )	frakt. (mg C/ $m^2 \times d$ )		
station 71:								
0	100	-	1,68	40,44	885,36	211,16		
0	100	20	0,64	15,47				
4	50	-	2,15	51,64				
4	50	20	0,42	10,05				
8	30	-	2,03	48,90				
8	30	20	0,49	11,73				
12	15	-	1,92	46,14				
12	15	20	0,47	11,37				
19	5	-	0,52	12,58				
19	5	20	0,13	3,10				
30	1	-	0,07	1,71				
30	1	20	0,03	0,58				
station 72:								
0	100	-	1,64	39,29			574,88	191,27
0	100	20	0,50	11,87				
6	50	-	1,59	38,14				
6	50	20	0,50	11,95				
10	30	-	0,94	22,53				
10	30	20	0,35	8,48				
16	15	-	0,65	15,65				
16	15	20	0,20	4,82				
25	5	-	0,12	2,87				
25	5	20	0,06	1,40				
38	1	-	0,03	0,74				
38	1	20	0,01	0,33				
station 87:								
0	100	-	1,04	24,93	351,34	173,48		
0	100	20	0,49	11,57				
5	50	-	1,01	24,18				
5	50	20	0,49	11,75				
8	30	-	0,93	22,19				
8	30	20	0,42	10,15				
12	15	-	0,61	14,65				
12	15	20	0,32	7,58				
19	5	-	0,14	3,42				
19	5	20	0,08	1,95				
30	1	-	0,02	0,59				
30	1	20	0,02	0,50				

depth (m)	light- depth (%)	frakt. smaller than ( $\mu\text{m}$ )	primary production per depth		integrated over the euphotic zone	
			(mg C/ $\text{m}^3 \times \text{h}$ )	(mg C/ $\text{m}^3 \times \text{d}$ )	total (mg C/ $\text{m}^2 \times \text{d}$ )	frakt. (mg C/ $\text{m}^2 \times \text{d}$ )
station 89:						
0	100	-	1,18	28,49	328,84	179,75
0	100	20	0,63	15,03		
4	50	-	0,97	23,23		
4	50	20	0,60	14,37		
7	30	-	0,97	23,37		
7	30	20	0,50	11,81		
11	15	-	0,58	13,91		
11	15	20	0,32	7,57		
18	5	-	0,16	3,96		
18	5	20	0,08	1,96		
27	1	-	0,01	0,21		
27	1	20	0,01	0,16		
station 90:						
0	100	-	1,10	26,26	398,76	220,65
0	100	20	0,50	12,03		
5	50	-	0,93	22,20		
5	50	20	0,57	13,60		
9	30	-	0,87	21,03		
9	30	20	0,47	11,24		
15	15	-	0,54	12,86		
15	15	20	0,30	6,74		
23	5	-	0,15	3,60		
23	5	20	0,09	2,17		
35	1	-	0,01	0,33		
35	1	20	0,01	0,24		
station 91:						
0	100	-	1,32	31,59	514,47	326,70
0	100	20	0,78	18,85		
5	50	-	1,26	30,45		
5	50	20	0,81	19,53		
9	30	-	1,13	27,05		
9	30	20	0,72	17,15		
15	15	-	0,72	17,35		
15	15	20	0,46	11,00		
23	5	-	0,16	3,94		
23	5	20	0,11	2,71		
35	1	-	0,02	0,41		
35	1	20	0,01	0,30		

depth (m)	light- depth (%)	frakt. smaller than ( $\mu\text{m}$ )	primary production per depth		integrated over the euphotic zone			
			(mg C/ $\text{m}^3 \times \text{h}$ )	(mg C/ $\text{m}^3 \times \text{d}$ )	total (mg C/ $\text{m}^2 \times \text{d}$ )	frakt. (mg C/ $\text{m}^2 \times \text{d}$ )		
station 92:								
0	100	-	0,85	20,33	343,58	300,00		
0	100	20	0,73	17,45				
5	50	-	0,94	22,57				
5	50	20	0,72	17,20				
10	30	-	0,88	21,09				
10	30	20	0,70	16,92				
15	15	-	0,73	17,58				
15	15	20	0,52	12,38				
20	5	-	0,13	3,28				
20	5	20	0,13	3,28				
30	1	-	0,05	1,30				
30	1	20	0,04	0,77				
station 93:								
0	100	-	0,86	20,74			419,98	318,06
0	100	20	0,63	14,91				
7	50	-	0,76	18,30				
7	50	20	0,54	13,08				
11	30	-	0,71	16,97				
11	30	20	0,48	11,47				
18	15	-	0,40	9,80				
18	15	20	0,37	8,74				
28	5	-	0,11	2,65				
28	5	20	0,10	2,42				
43	1	-	0,01	0,23				
43	1	20	0,01	0,23				
station 94:								
0	100	-	0,96	23,03	633,49	400,87		
0	100	20	0,57	13,61				
7	50	-	0,85	20,31				
7	50	20	0,28	6,63				
13	30	-	1,05	25,21				
13	30	20	0,86	20,62				
20	15	-	0,68	16,35				
20	15	20	0,46	11,05				
32	5	-	0,26	6,21				
32	5	20	0,18	4,35				
49	1	-	0,06	1,37				
49	1	20	0,04	0,95				

depth (m)	light- depth (%)	frakt. smaller than ( $\mu\text{m}$ )	primary production per depth		integrated over the euphotic zone	
			(mg C/ $\text{m}^3 \times \text{h}$ )	(mg C/ $\text{m}^3 \times \text{d}$ )	total (mg C/ $\text{m}^2 \times \text{d}$ )	frakt. (mg C/ $\text{m}^2 \times \text{d}$ )
station 101 (drift):						
0	100	-	0,83	19,84	365,91	287,36
0	100	20	0,75	17,85		
5	50	-	0,70	16,80		
5	50	20	0,58	13,79		
9	30	-	0,59	13,99		
9	30	20	0,53	12,75		
15	15	-	0,68	16,18		
15	15	20	0,49	11,75		
23	5	-	0,22	5,24		
23	5	20	0,12	3,06		
35	1	-	0,04	0,85		
35	1	20	0,03	0,68		
station 102:						
0	100	-	1,03	24,84	371,45	265,75
0	100	20	0,54	13,04		
6	50	-	0,74	17,87		
6	50	20	0,60	14,55		
10	30	-	0,68	16,31		
10	30	20	0,49	11,76		
25	5	-	0,14	3,40		
25	5	20	0,14	3,30		
38	1	-	0,03	0,75		
38	1	20	0,02	0,46		
station 103:						
0	100	-	1,10	26,46	496,75	268,11
0	100	20	0,52	12,54		
5	50	-	1,07	25,52		
5	50	20	0,54	12,98		
8	30	-	1,12	26,85		
8	30	20	0,58	13,80		
13	15	-	0,67	16,04		
13	15	20	0,34	8,22		
21	5	-	0,45	10,84		
21	5	20	0,29	7,18		
33	1	-	0,06	1,55		
33	1	20	0,05	0,99		

depth	light- depth	frakt. smaller than	primary production per depth		integrated over the euphotic zone			
(m)	(%)	( $\mu$ m)	(mg C/ $m^3 \times h$ )	(mg C/ $m^3 \times d$ )	total (mg C/ $m^2 \times d$ )	frakt. (mg C/ $m^2 \times d$ )		
station 104:								
0	100	-	0,82	19,72	259,28	200,99		
0	100	20	0,54	13,14				
5	50	-	0,72	17,23				
5	50	20	0,61	14,53				
8	30	-	0,65	15,57				
8	30	20	0,49	11,65				
12	15	-	0,45	10,89				
12	15	20	0,39	9,32				
19	5	-	0,12	2,75				
19	5	20	0,08	1,82				
30	1	-	0,02	0,35				
30	1	20	0,01	0,28				
station 105:								
0	100	-	1,02	24,56			259,38	196,86
0	100	20	0,69	16,63				
5	50	-	0,98	23,52				
5	50	20	0,74	17,73				
9	30	-	0,32	7,76				
9	30	20	0,30	7,19				
15	15	-	0,24	5,69				
15	15	20	0,17	4,14				
23	5	-	0,04	1,09				
23	5	20	0,04	0,87				
35	1	-	0,02	0,45				
35	1	20	0,01	0,31				
station 107:								
0	100	-	0,90	21,49	390,19	291,78		
0	100	20	0,44	10,61				
5	50	-	0,85	20,21				
5	50	20	0,74	17,61				
9	30	-	0,79	18,97				
9	30	20	0,57	13,69				
15	15	-	0,49	11,74				
15	15	20	0,39	9,33				
23	5	-	0,26	6,29				
23	5	20	0,20	4,75				
35	1	-	0,04	0,94				
35	1	20	0,04	0,78				

depth (m)	light- depth (%)	frakt. smaller than ( $\mu\text{m}$ )	primary production per depth		integrated over the euphotic zone	
			(mg C/ $\text{m}^3 \times \text{h}$ )	(mg C/ $\text{m}^3 \times \text{d}$ )	total (mg C/ $\text{m}^2 \times \text{d}$ )	frakt. (mg C/ $\text{m}^2 \times \text{d}$ )
station 109:						
0	100	-	1,05	25,23	356,64	275,96
0	100	20	0,78	18,85		
5	50	-	1,15	27,46		
5	50	20	0,85	20,29		
8	30	-	0,93	22,37		
8	30	20	0,68	16,26		
12	15	-	0,57	13,73		
12	15	20	0,49	11,66		
19	5	-	0,13	3,14		
19	5	20	0,12	2,81		
30	1	-	0,01	0,29		
30	1	20	0,01	0,24		
station 110:						
0	100	-	1,14	27,36	396,44	267,52
0	100	20	0,77	18,42		
5	50	-	1,19	28,52		
5	50	20	0,85	20,31		
8	30	-	1,18	28,38		
8	30	20	0,71	17,02		
12	15	-	0,64	15,40		
12	15	20	0,45	10,87		
19	5	-	0,13	3,23		
19	5	20	0,09	2,23		
30	1	-	0,01	0,16		
30	1	20	0,01	0,14		
station 113:						
0	100	-	0,19	4,49	208,62	156,71
0	100	20	0,14	3,36		
12	50	-	0,18	4,29		
12	50	20	0,14	3,44		
21	30	-	0,18	4,36		
21	30	20	0,11	2,49		
34	15	-	0,13	3,12		
34	15	20	0,11	2,59		
53	5	-	0,06	1,42		
53	5	20	0,04	1,14		
81	1	-	0,02	0,40		
81	1	20	0,02	0,34		



depth (m)	light- depth (%)	frakt. smaller than ( $\mu$ m)	primary production per depth		integrated over the euphotic zone			
			(mg C/ $m^3 \times h$ )	(mg C/ $m^3 \times d$ )	total (mg C/ $m^2 \times d$ )	frakt. (mg C/ $m^2 \times d$ )		
station 117:								
0	100	-	0,79	18,97	401,89	198,96		
0	100	20	0,37	8,95				
7	50	-	0,57	13,64				
7	50	20	0,31	7,39				
12	30	-	0,69	16,58				
12	30	20	0,23	5,57				
19	15	-	0,45	10,82				
19	15	20	0,22	5,36				
30	5	-	0,15	3,60				
30	5	20	0,11	2,53				
46	1	-	0,04	1,03				
46	1	20	0,04	0,94				
station 132:								
0	100	-	0,29	7,07			222,05	196,71
0	100	20	0,26	6,15				
11	50	-	0,21	5,15				
11	50	20	0,20	4,82				
20	30	-	0,19	4,62				
20	30	20	0,18	4,39				
31	15	-	0,07	1,87				
31	15	20	0,07	1,76				
49	5	-	0,03	0,60				
49	5	20	0,03	0,59				
76	1	-	0,15	3,54				
76	1	20	0,11	2,59				
station 133:								
0	100	-	0,54	13,12	567,75	484,95		
0	100	20	0,46	11,13				
11	50	-	0,46	11,14				
11	50	20	0,34	8,13				
18	30	-	0,42	10,02				
18	30	20	0,37	8,98				
29	15	-	0,38	9,12				
29	15	20	0,32	7,79				
46	5	-	0,34	8,21				
46	5	20	0,32	7,68				
70	1	-	0,04	0,77				
70	1	20	0,01	0,27				

depth	light- depth	frakt. smaller than	primary production per depth		integrated over the euphotic zone			
(m)	(%)	( $\mu\text{m}$ )	(mg C/ $\text{m}^3 \times \text{h}$ )	(mg C/ $\text{m}^3 \times \text{d}$ )	total (mg C/ $\text{m}^2 \times \text{d}$ )	frakt. (mg C/ $\text{m}^2 \times \text{d}$ )		
station 135:								
0	100	-	1,58	37,94	679,02	557,51		
0	100	20	0,89	21,32				
5	50	-	1,94	46,54				
5	50	20	1,74	41,75				
9	30	-	1,38	33,07				
9	30	20	1,04	25,09				
13	15	-	1,02	24,56				
13	15	20	0,94	22,73				
21	5	-	0,36	8,67				
21	5	20	0,30	7,28				
33	1	-	0,06	1,40				
33	1	20	0,04	1,13				
station 136:								
0	100	-	1,90	45,41			716,92	548,13
0	100	20	1,13	27,08				
5	50	-	1,81	43,40				
5	50	20	1,06	25,31				
9	30	-	1,58	38,03				
9	30	20	1,34	32,34				
13	15	-	1,17	28,20				
13	15	20	1,09	26,31				
21	5	-	0,34	8,06				
21	5	20	0,31	7,37				
33	1	-	0,04	1,03				
33	1	20	0,04	0,93				
station 137:								
0	100	-	0,71	17,03	807,51	698,64		
0	100	20	0,57	13,63				
8	50	-	0,64	15,34				
8	50	20	0,53	12,84				
14	30	-	1,36	32,78				
14	30	20	1,20	28,93				
22	15	-	1,11	26,75				
22	15	20	1,01	24,16				
35	5	-	0,29	6,97				
35	5	20	0,23	5,58				
54	1	-	0,05	1,26				
54	1	20	0,04	1,09				

depth	light- depth	frakt. smaller than	primary production per depth		integrated over the euphotic zone total frakt.	
(m)	(%)	( $\mu$ m)	(mg C/ $m^3 \times h$ )	(mg C/ $m^3 \times d$ )	(mg C/ $m^2 \times d$ )	(mg C/ $m^2 \times d$ )
station 139:						
0	100	-	0,96	23,00	468,82	344,49
0	100	20	0,67	16,09		
5	50	-	1,05	25,31		
5	50	20	0,77	18,40		
9	30	-	1,01	24,45		
9	30	20	0,74	17,78		
13	15	-	0,61	14,77		
13	15	20	0,46	11,19		
21	5	-	0,45	10,89		
21	5	20	0,34	8,05		
32	1	-	0,05	1,36		
32	1	20	0,05	1,22		
station 143:						
0	100	-	1,77	42,55	569,21	441,70
0	100	20	1,16	27,79		
5	50	-	1,58	37,99		
5	50	20	1,20	28,87		
8	30	-	1,45	34,73		
8	30	20	1,29	31,06		
12	15	-	0,98	23,62		
12	15	20	0,74	17,69		
19	5	-	0,26	6,39		
19	5	20	0,23	5,47		
30	1	-	0,02	0,35		
30	1	20	0,01	0,27		
station 149:						
0	100	-	0,60	15,04	389,14	314,43
0	100	20	0,36	8,76		
12	50	-	0,39	9,46		
12	50	20	0,32	7,58		
21	30	-	0,32	7,77		
21	30	20	0,31	7,40		
34	15	-	0,12	2,91		
34	15	20	0,11	2,55		
53	5	-	0,11	2,54		
53	5	20	0,09	2,05		
81	1	-	0,04	0,88		
81	1	20	0,04	0,85		

depth	light- depth	frakt. smaller than	primary production per depth		integrated over the euphotic zone	
(m)	(%)	( $\mu$ m)	(mg C/ $m^3 \times h$ )	(mg C/ $m^3 \times d$ )	total	frakt.
					(mg C/ $m^2 \times d$ )	(mg C/ $m^2 \times d$ )
station 150:						
0	100	-	1,53	36,69	791,10	640,53
0	100	20	1,04	24,94		
6	50	-	1,75	41,81		
6	50	20	1,49	35,87		
10	30	-	1,42	34,16		
10	30	20	1,12	26,78		
16	15	-	1,14	27,46		
16	15	20	0,95	22,62		
25	5	-	0,33	7,93		
25	5	20	0,29	6,82		
38	1	-	0,05	1,23		
38	1	20	0,05	1,21		
station 151:						
0	100	-	1,14	27,30	1044,58	879,97
0	100	20	0,96	23,08		
7	50	-	1,34	32,09		
7	50	20	1,07	25,69		
11	30	-	1,77	42,51		
11	30	20	1,53	36,76		
18	15	-	1,42	34,25		
18	15	20	1,38	33,18		
28	5	-	0,42	9,95		
28	5	20	0,27	6,51		
43	1	-	0,27	6,49		
43	1	20	0,16	3,90		
station 152:						
0	100	-	1,59	38,17	578,07	473,09
0	100	20	1,03	24,61		
5	50	-	1,77	42,70		
5	50	20	1,33	31,80		
8	30	-	1,36	32,51		
8	30	20	1,30	31,26		
12	15	-	1,07	25,88		
12	15	20	0,96	23,13		
19	5	-	0,23	5,50		
19	5	20	0,19	4,62		
30	1	-	0,05	1,14		
30	1	20	0,05	1,12		

depth (m)	light- depth (%)	frakt. smaller than ( $\mu\text{m}$ )	primary production per depth		integrated over the euphotic zone			
			(mg C/ $\text{m}^3 \times \text{h}$ )	(mg C/ $\text{m}^3 \times \text{d}$ )	total (mg C/ $\text{m}^2 \times \text{d}$ )	frakt. (mg C/ $\text{m}^2 \times \text{d}$ )		
station 153:								
0	100	-	1,63	39,08	515,66	354,65		
0	100	20	1,08	26,03				
4	50	-	1,57	37,82				
4	50	20	1,06	25,59				
6	30	-	1,78	42,80				
6	30	20	1,04	24,84				
10	15	-	1,10	26,51				
10	15	20	0,85	20,38				
16	5	-	0,35	8,61				
16	5	20	0,28	6,67				
24	1	-	0,03	0,71				
24	1	20	0,03	0,67				
station 154:								
0	100	-	1,65	39,59			467,22	459,05
0	100	20	1,58	37,72				
3	50	-	1,61	38,57				
3	50	20	1,27	30,38				
6	30	-	1,94	46,65				
6	30	20	1,73	41,49				
9	15	-	1,47	35,31				
9	15	20	1,26	30,23				
14	5	-	0,44	10,54				
14	5	20	0,38	9,07				
22	1	-	0,07	1,81				
22	1	20	0,07	1,74				
station 155:								
0	100	-	1,67	39,88	293,65	221,76		
0	100	20	1,09	26,31				
3	50	-	1,39	33,42				
3	50	20	1,05	25,14				
6	30	-	0,66	16,02				
6	30	20	0,57	13,68				
9	15	-	0,68	16,46				
9	15	20	0,50	11,92				
14	5	-	0,12	2,94				
14	5	20	0,11	2,70				
21	1	-	0,01	0,15				
21	1	20	0,01	0,15				

depth (m)	light- depth (%)	frakt. smaller than ( $\mu\text{m}$ )	primary production per depth		integrated over the euphotic zone	
			(mg C/ $\text{m}^3 \times \text{h}$ )	(mg C/ $\text{m}^3 \times \text{d}$ )	total (mg C/ $\text{m}^2 \times \text{d}$ )	frakt. (mg C/ $\text{m}^2 \times \text{d}$ )
station 156:						
0	100	-	1,78	42,68	612,98	513,39
0	100	20	1,30	31,10		
5	50	-	1,48	35,42		
5	50	20	1,37	32,86		
9	30	-	1,42	34,18		
9	30	20	1,22	29,33		
13	15	-	0,99	23,60		
13	15	20	0,88	21,14		
21	5	-	0,19	4,54		
21	5	20	0,18	4,18		
33	1	-	0,04	0,89		
33	1	20	0,01	0,30		
station 157:						
0	100	-	3,84	92,27	1659,79	775,67
0	100	20	1,53	36,68		
4	50	-	3,81	91,49		
4	50	20	2,28	54,65		
7	30	-	4,86	116,62		
7	30	20	1,66	39,72		
11	15	-	3,41	81,94		
11	15	20	1,64	39,24		
18	5	-	1,42	33,97		
18	5	20	0,72	17,23		
27	1	-	0,23	5,43		
27	1	20	0,17	4,09		
station 163:						
0	100	-	0,32	7,72	175,68	167,54
0	100	20	0,29	6,95		
11	50	-	0,14	3,20		
11	50	20	0,12	2,77		
18	30	-	0,14	3,20		
18	30	20	0,14	3,20		
29	15	-	0,15	3,49		
29	15	20	0,15	3,49		
46	5	-	0,05	1,19		
46	5	20	0,05	1,19		
70	1	-	0,01	0,17		
70	1	20	0,01	0,17		

depth (m)	light- depth (%)	frakt. smaller than ( $\mu$ m)	primary production per depth		integrated over the euphotic zone	
			(mg C/ $m^3 \times h$ )	(mg C/ $m^3 \times d$ )	total (mg C/ $m^2 \times d$ )	frakt. (mg C/ $m^2 \times d$ )
station 166:						
0	100	-	4,02	95,56	1595,04	734,93
0	100	20	1,81	43,52		
6	50	-	4,18	100,39		
6	50	20	1,59	38,26		
10	30	-	2,84	68,29		
10	30	20	2,13	51,07		
16	15	-	1,99	47,74		
16	15	20	0,60	14,27		
25	5	-	0,35	8,47		
25	5	20	0,17	4,03		
38	1	-	0,07	1,65		
38	1	20	0,04	0,98		
station 167:						
0	100	-	2,95	70,83	813,63	539,65
0	100	20	2,10	50,34		
6	50	-	2,56	61,52		
6	50	20	1,52	36,49		
10	30	-	1,09	26,16		
10	30	20	0,69	16,38		
16	15	-	0,53	12,54		
16	15	20	0,44	10,52		
25	5	-	0,24	5,70		
25	5	20	0,15	3,68		
38	1	-	0,04	0,93		
38	1	20	0,04	0,73		
station 168:						
0	100	-	1,44	34,68	939,07	605,72
0	100	20	0,96	23,08		
6	50	-	1,67	40,14		
6	50	20	1,39	33,26		
10	30	-	2,72	65,13		
10	30	20	1,31	31,42		
16	15	-	1,05	25,24		
16	15	20	0,75	18,02		
25	5	-	0,44	10,45		
25	5	20	0,28	6,79		
38	1	-	0,03	0,69		
38	1	20	0,02	0,50		

depth (m)	light- depth (%)	frakt. smaller than ( $\mu\text{m}$ )	primary production per depth		integrated over the euphotic zone			
			(mg C/ $\text{m}^3 \times \text{h}$ )	(mg C/ $\text{m}^3 \times \text{d}$ )	total (mg C/ $\text{m}^2 \times \text{d}$ )	frakt. (mg C/ $\text{m}^2 \times \text{d}$ )		
station 171:								
0	100	-	1,74	41,69	428,21	254,05		
0	100	20	1,11	26,57				
5	50	-	1,32	31,77				
5	50	20	0,78	18,83				
8	30	-	1,39	33,26				
8	30	20	0,64	15,40				
12	15	-	0,43	10,36				
12	15	20	0,32	7,47				
19	5	-	0,10	2,31				
19	5	20	0,07	1,68				
30	1	-	0,02	0,50				
30	1	20	0,02	0,40				
station 173:								
0	100	-	2,72	65,17			1098,19	579,24
0	100	20	1,20	28,77				
5	50	-	2,30	55,21				
5	50	20	1,68	40,46				
8	30	-	2,29	54,92				
8	30	20	1,16	27,77				
12	15	-	1,75	41,93				
12	15	20	0,93	22,17				
19	5	-	1,23	29,67				
19	5	20	0,53	12,67				
30	1	-	0,19	4,46				
30	1	20	0,09	2,23				
station 174:								
0	100	-	0,29	7,08	335,32	206,52		
0	100	20	0,15	3,65				
12	50	-	0,09	2,23				
12	50	20	0,09	2,04				
21	30	-	0,22	5,29				
21	30	20	0,15	3,68				
34	15	-	0,20	4,95				
34	15	20	0,15	3,61				
53	5	-	0,14	3,33				
53	5	20	0,09	2,22				
81	1	-	0,16	3,85				
81	1	20	0,04	0,88				



depth (m)	light- depth (%)	frakt. smaller than ( $\mu\text{m}$ )	primary production per depth		integrated over the euphotic zone	
			(mg C/ $\text{m}^3 \times \text{h}$ )	(mg C/ $\text{m}^3 \times \text{d}$ )	total (mg C/ $\text{m}^2 \times \text{d}$ )	frakt. (mg C/ $\text{m}^2 \times \text{d}$ )
station 177:						
0	100	-	2,52	60,44	911,21	296,64
0	100	20	0,57	13,78		
7	50	-	2,86	68,65		
7	50	20	0,77	18,50		
11	30	-	1,14	27,40		
11	30	20	0,41	9,93		
18	15	-	0,23	5,55		
18	15	20	0,19	4,40		
28	5	-	0,08	1,85		
28	5	20	0,07	1,80		
43	1	-	0,03	0,67		
43	1	20	0,02	0,50		
station 178:						
0	100	-	0,98	23,48	333,41	250,41
0	100	20	0,67	16,10		
4	50	-	2,16	51,70		
4	50	20	1,76	42,27		
7	30	-	0,46	10,99		
7	30	20	0,37	8,97		
11	15	-	0,41	10,00		
11	15	20	0,23	5,46		
18	5	-	0,05	1,33		
18	5	20	0,04	0,98		
27	1	-	0,02	0,32		
27	1	20	0,01	0,24		
station 179:						
0	100	-	2,02	48,36	589,75	461,30
0	100	20	1,26	30,11		
4	50	-	2,00	48,01		
4	50	20	1,44	34,72		
7	30	-	1,48	35,98		
7	30	20	1,32	31,65		
11	15	-	0,78	18,88		
11	15	20	0,78	18,88		
18	5	-	0,46	10,93		
18	5	20	0,34	8,33		
27	1	-	0,09	2,16		
27	1	20	0,05	1,18		

### Phytoplankton sinking rates (M. Culver)

The sinking of phytoplankton cells through the water column contributes significantly to the vertical transfer of organic matter from the euphotic zone into the deep sea. The physiological state of the cell, the viscosity and density of the medium, and nutrient concentrations are a few of the factors which influence the rate of sinking. The relative contributions of these factors presently is uncertain.

Sinking rates for natural assemblages were measured using SETCOL, a homogeneous sample method (Bienfang 1981). Sinking was measured using chlorophyll a, phaeophytin, biogenic silica, particulate carbon and nitrogen as indicators of biomass. A stepwise multiple regression was used to determine if variations in the sinking rate of a parameter could be explained by environmental variations. Water temperature, salinity, density, nitrate, phosphate, and silicate were used as independent variables.

Sinking rates in general represented those of passively sinking cells (Table 1). Rates for the parameters exhibited the trends: particulate nitrogen > particulate carbon > phaeophytin > silica > chlorophyll a. Preliminary results indicate that sinking rates of biomass as measured by chlorophyll a and particulate carbon were correlated with certain characteristics of the environment. For chlorophyll a, a combination of temperature and density predicted 73 % of the variation in sinking rates. Temperature, salinity, nitrate, and phosphate, together, predicted 78 % of the variation in sinking rates determined from particulate carbon. Phaeophytin rates were not correlated with any of the measured environmental variables. The regression for silica as an indicator is not strong, with temperature, density, and nitrate predicting 44 % of the variation in sinking. Results using particulate nitrogen are not yet complete.

Any change in the biomass assemblages across a gradient affects comparisons between sinking rates. Water temperature appears to be one of the stronger predictors of variation in the sinking rates measured by chlorophyll, particulate carbon, and silica. In each of these cases, the correlation is negative, sinking rates increasing as temperature decreases (Fig. 1). A biological explanation for this relationship is not feasible until an analysis of the composition is complete. Similar reasoning applied to each of the environmental variables complicates interpretation of the relationships.

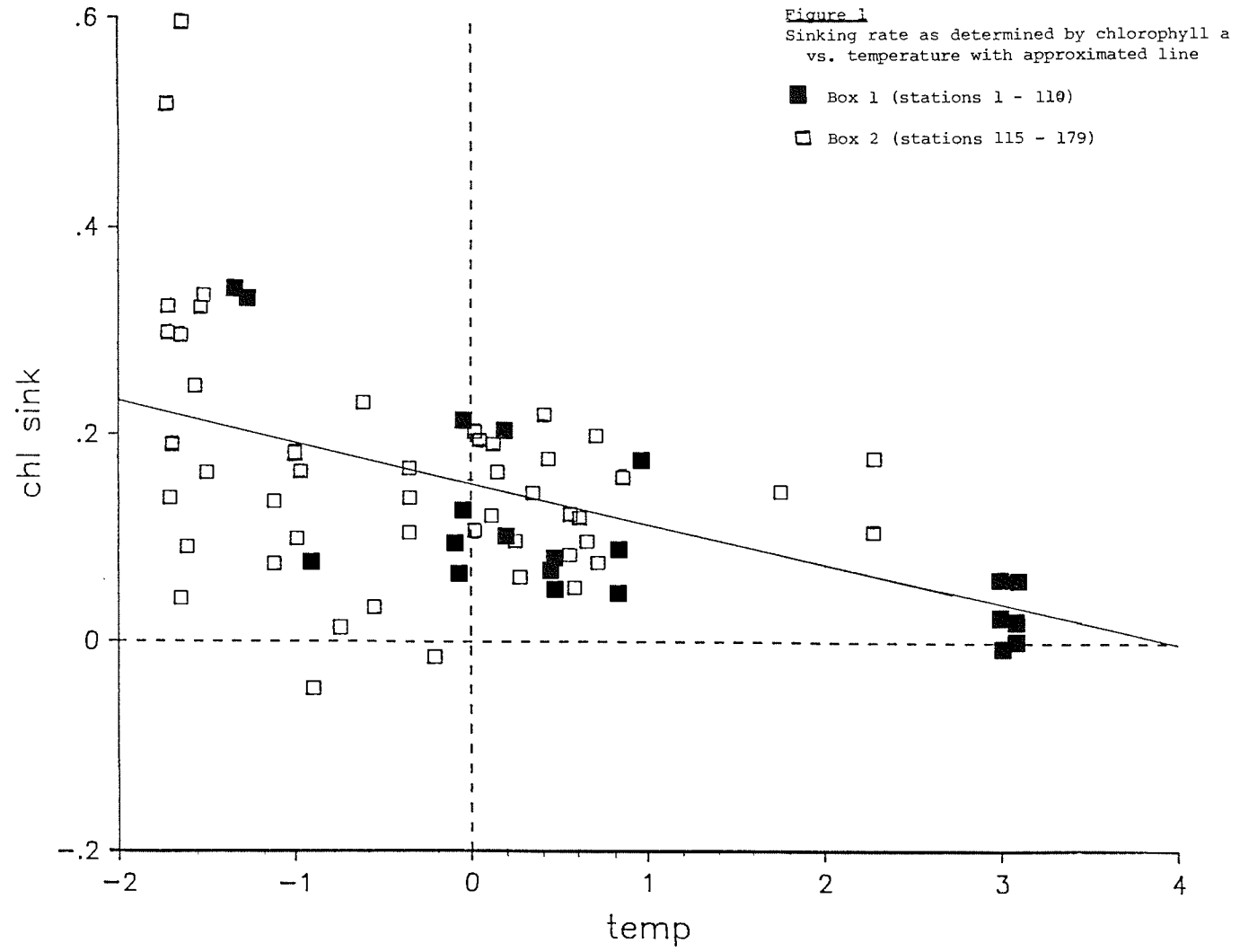
Table 1. Summary of sinking rates.

Indicator	Range (m/day)	Mean	
Chlorophyll	-0.04 - 0.63	0.14	(n = 88)
Silica	-0.18 - 0.68	0.15	(n = 80)
Phaeophytin	-0.09 - 1.00	0.20	(n = 87)
Particulate carbon	-0.20 - 1.69	0.55	(n = 63)
Particulate nitrogen	-0.23 - 3.71	0.64	(n = 66)

Table 2. Sinking Rates by Parameter (meters/day).

station	% surface intensity	chl a	phaeophytin	biogenic silica	particulate carbon	particulate nitrogen
30	100	.1	.1	.06	.29	
30	30	.2	.02	0		
30	5	.06	.22	-.08	.25	
61	100	.02	.24	.24	.49	.85
61	30	.06	.23	.07	1.02	.14
61	5	-.01	.1	-.02	.08	-.23
63	100	-.01	.16	.16	.36	.96
63	30	.05	.15	.03	.21	1.22
63	5	.03	.08	.6	.07	.84
66	100	-.02		.03	.83	-.15
66	30	.12	.28		.65	.97
66	5	0	.49	.43	.3	1.24
72	100	.1	.02	-.11	1.11	.2
72	30	.33	.35	-.08	1.42	1.23
72	5	.34	.2	-.18	1.63	.55
93	100	.02	.04		.59	3.71
93	30	.06	.34		.34	.41
93	5	0	.29	.28	.82	.14
103	100	.05	.04		.69	1.44
103	30	.09	.26	.16	.16	.8
103	5	.18	.11	.08	.27	.17
105	100	.13	.1	.22	.41	.15
105	30	.22	.13	.37	.45	.04
105	5	.09	.13	.25	.73	.48
107	100	.05	.12	.24	1.6	
107	30	.08	0		.72	
107	5	.07	.12	.07	1.04	
110	100	.14	.09	.14	.71	.89
110	30	.17	.1	.16	1.49	1.98
110	5	.11	.05	.21	1.69	1.61
115	100	.16	.12	.38	.09	.15
115	30	.18	.08	.07		.16
115	5	.13	.36	.62	.07	-.03
117	100	.01	.17	.36	.29	.3
117	30	.08	.2	.22	.29	.07
117	5	.07	.24	.47	.36	.5
132	100	.14	.03	.29	.56	.88
132	30	.3	.1	-.13		.13
132	5	.32	.1	.11	.54	.69
133	100	.09	.08			.3
133	30	.16	.18	-.17	.49	.75

station	% surface intensity	chl a	phaeophytin	biogenic silica	particulate carbon	particulate nitrogen
133	5	.2	.08		.54	.03
135	100	.19	0	.29		
135	30	.12	-.09	.19		
135	5	.12	-.01			
137	100	.16	.15	.31	.3	
137	30	.11	.38	.1		1.33
137	5	.06	.09	.13	.12	.83
139	100	.1	.05	.12	.24	
139	30	.14	.28	-.11	.52	
139	5	.22	.04	-.11	.63	
143	100	.2	.18	.01	.11	.31
143	30	.03	.41	-.13	1.11	.61
143	5	.23	.75	.14	1.06	.26
149	100	.6	.5	.18	.43	
149	30	.19	.01	.16	.63	
149	5	.25	-.04	0		
151	100	.08	.31	.02	.62	2.44
151	30	.05	.11	-.08	.48	.07
151	5	.12	.16	.06	.88	.15
153	100	.08	1	.68		
153	30	.2	.48	.45	.36	.75
153	5	.16	.09	.24	-.01	.04
155	100	.16	.23	.5		.58
155	30	.2	.36	.49	.15	.14
155	5	.04	.3	.22	.17	.16
157	100	.01	.17	.08	.24	.34
157	30	.11	.33	.13	.18	.68
157	5	.18	.41	.28		
163	100		.61			.05
163	30	.32	.16			.19
163	5	.52	.29	.07		1.16
168	100	-.40	.01	.15		.44
168	30	-.10	-.09	.03	.27	.93
168	5	.1	-.01	.28		
171	100	.18	.25	.14		1.24
171	30	.63		-.60		.03
171	5		.37	.37		1.1
173	100	.11	.27		-.2	1.42
173	30	.18	.35			1.94
173	5	.15	.39			
174	100	.34	.46	.1		
174	30	.3	.34	-.15	.54	.2
174	5	.04		.2	.62	.73
177	100	.08	.07	.14		
177	30	.15	.14	.22		
177	5	.14	.16	-.15	.64	.62
179	100	.26	.31		.97	.06
179	30	.13	-.03	.18		.06
179	5	.12	.21	-.05		



Egg production of Calanus finmarchicus and C. glacialis  
(H.-J. Hirche, R.N. Bohrer)

Egg production rates (eggs/female/day) were determined after 24 hour incubation of 40 - 60 females from 0 - 100 m bongo tows (300  $\mu$  mesh) at ambient food (seawater from 100 % and 33 % light depth) and temperature conditions. The rates given represent averages of usually two replicate experiments.

Calanus finmarchicus

<u>Station</u>	<u>Eggs/fem/day</u>	<u>Station</u>	<u>Eggs/fem/day</u>
28	11.5	115	3.5
29	4.9	117	2.7
30	1.9	132	0.3
31	17.0	133	0
32	7.4	135	9.5
33	7.8	136	12.5
34	0.3	137	12.2
61	6.9	138	2.8
62	2.0	139	2.4
63	0	140	4.5
64	10.1	141	7.6
65	7.6	142	4.5
66	1.2	143	8.1
67	1.0	149	0.6
68	1.3	150	10.8
69	0	151	3.4
70	3.9	152	27.0
71	10.7	153	12.5
72	10.7	154	7.9
87	7.3	155	32.5
88	4.9	156	2.5
89	11.7	157	15.2
90	9.3	163	0
91	11.3	164	10.9
92	2.2	166	32.0
93	5.1	167	19.3
94	9.1	168	6.9
102	8.9	169	25.2
103	20.8	170	19.0
104	18.0	171	21.5
105	11.9	172	17.0
106	5.2	173	12.8
107	3.3	174	7.0
108	8.5	176	2.8
109	19.1	177	10.0
110	10.8	178	13.7
111	8.9	179	3.4
113	2.4		

Calanus glacialis

132 8.2

Plankton community metabolism (K.-G. Barthel)

Metabolic activity of the plankton community was measured in four size classes. The samples for the two smaller size classes were taken from the 6 x 30 l rosette sampler from 6 light depths (see "Primary production"), for the two larger size classes from Bongo net tows from 1 % light level to the surface. The values in each size class represent the total rates of phyto- and zooplankton in the euphotic zone.

	phosphate excretion ( $\mu\text{mol}/\text{m}^3/\text{d}$ )	ammonia excretion ( $\mu\text{mol}/\text{m}^3/\text{d}$ )	oxygen uptake ( $\text{ml}/\text{m}^3/\text{d}$ )
Station 28			
< 20 $\mu\text{m}$	2.2	249.7	0
20 - 200 $\mu\text{m}$	0	21.7	3.9
200 - 2000 $\mu\text{m}$	1.7	4.2	1.6
> 2000 $\mu\text{m}$	3.6	12.8	4.2
Station 34			
< 20 $\mu\text{m}$	7.9	0	13.2
20 - 200 $\mu\text{m}$	0	10.6	4.1
200 - 2000 $\mu\text{m}$	0.6	1.8	0.7
> 2000 $\mu\text{m}$	3.5	4.5	1.6
Station 61			
< 20 $\mu\text{m}$	0	11.3	0
20 - 200 $\mu\text{m}$	2.9	0	0
200 - 2000 $\mu\text{m}$	0.2	1.2	0.4
> 2000 $\mu\text{m}$	0.4	5.7	0.7
Station 72			
< 20 $\mu\text{m}$	2.3	0.6	1.2
20 - 200 $\mu\text{m}$	3.3	6.6	2.6
200 - 2000 $\mu\text{m}$	0.6	1.4	0.6
> 2000 $\mu\text{m}$	2.7	7.4	0.8
Station 87			
< 20 $\mu\text{m}$	0.8	0	1.2
20 - 200 $\mu\text{m}$	0.8	3.8	2.2
200 - 2000 $\mu\text{m}$	0.7	1.8	0.7
> 2000 $\mu\text{m}$	0.4	1.1	0.2
Station 94			
< 20 $\mu\text{m}$	1.2	2.5	0.7
20 - 200 $\mu\text{m}$	0.9	1.5	0
200 - 2000 $\mu\text{m}$	2.5	6.2	2.7
> 2000 $\mu\text{m}$	2.4	15.6	2.0
Station 100			
< 20 $\mu\text{m}$	0.1	0	0.6
20 - 200 $\mu\text{m}$	0	0	2.6
200 - 2000 $\mu\text{m}$	0.3	0.9	0.3
> 2000 $\mu\text{m}$	2.7	1.5	0.3

	phosphate excretion ( $\mu\text{mol}/\text{m}^3/\text{d}$ )	ammonia excretion ( $\mu\text{mol}/\text{m}^3/\text{d}$ )	oxygen uptake ( $\text{ml}/\text{m}^3/\text{d}$ )
Station 102			
< 20 $\mu\text{m}$	0.7	0.9	4.8
20 - 200 $\mu\text{m}$	0	0	0
200 - 2000 $\mu\text{m}$	0.5	1.3	0.8
> 2000 $\mu\text{m}$	0.5	2.2	0.7
Station 110			
< 20 $\mu\text{m}$	0	0.8	1.2
20 - 200 $\mu\text{m}$	0	1.9	1.3
200 - 2000 $\mu\text{m}$	0.4	1.3	0.3
> 2000 $\mu\text{m}$	0.5	5.0	0.5
Station 132			
< 20 $\mu\text{m}$	0	0.2	0
20 - 200 $\mu\text{m}$	0	0	0.1
200 - 2000 $\mu\text{m}$	0.1	1.0	0.2
> 2000 $\mu\text{m}$	0.1	1.4	0.2
Station 143			
< 20 $\mu\text{m}$	0.4	0.4	2.2
20 - 200 $\mu\text{m}$	0	0.4	0
200 - 2000 $\mu\text{m}$	0.2	0.7	0.2
> 2000 $\mu\text{m}$	0.6	2.4	0.4
Station 149			
< 20 $\mu\text{m}$	0	0.5	0
20 - 2000 $\mu\text{m}$	0	0.6	0
200 - 2000 $\mu\text{m}$	0.1	1.3	0.4
> 2000 $\mu\text{m}$	0.2	3.2	0.4
Station 157			
< 20 $\mu\text{m}$	1.8	7.3	2.0
20 - 200 $\mu\text{m}$	0.5	6.9	0.9
200 - 2000 $\mu\text{m}$	0.4	2.9	0.6
> 2000 $\mu\text{m}$	0.7	7.2	1.3
Station 163			
< 20 $\mu\text{m}$	0	-	0.1
20 - 200 $\mu\text{m}$	0	-	0
200 - 2000 $\mu\text{m}$	0.1	-	0.2
> 2000 $\mu\text{m}$	0.3	-	0.3
Station 173			
< 20 $\mu\text{m}$	0	6.1	2.6
20 - 200 $\mu\text{m}$	0.1	1.9	0.5
200 - 2000 $\mu\text{m}$	2.7	4.2	0.6
> 2000 $\mu\text{m}$	0.6	7.1	1.2



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