IDENTIFICATION									
YEAR		CAST	WIRE ANGLE		CRUISE		CONSEC.		
8	8	1			0	1	0	0	1
1	2	3	4	5	6	7	8	9	10

1 IDENT. CODE				2 LATITUDE (N=+)					3 LONGITUDE (W=+)					
CNTRY.		INST.		DEG.°		MIN.		1/10	DEG.°		MIN.		1/10	
1	8	1	5	4	8	3	9	0	1	2	6	4	0	0
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

5 DATE						6 TIME			7 DEPTH TO BOTTOM				8 MAX. SAMP. DEPTH (M)		9 No. DEPTH. OBS'D.	
YEAR		MONTH		DAY		HOURS G.M.T.		1/10								
8	8	0	5	0	3	2	1	3	1	3	3	0			2	0
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35

21 UNASSIGNED						22 CRUISE REF. NUMBER			23 CONSEC. NUMBER			24 CARD TYPE	VESSEL
M	P	0	4				0	1	0	0	1	1	PARIZEAU
68	69	70	71	72	73	74	75	76	77	78	79	80	ENTERED BY / CHECKED BY

SALINITY BOTTLE Nº	OXYGEN BOTTLE Nº		WIRE LENGTH (m)	LEFT THERMOMETER P/U	LEFT THERMOMETER SERIAL	LEFT THERMOMETER AUX. RDG.	LEFT THERMOMETER MAIN RDG.	MIDDLE THERMOMETER P/U	MIDDLE THERMOMETER SERIAL	MIDDLE THERMOMETER AUX. RDG.	MIDDLE THERMOMETER MAIN RDG.	RIGHT THERMOMETER P/U	RIGHT THERMOMETER SERIAL	RIGHT THERMOMETER AUX. RDG.	RIGHT THERMOMETER MAIN RDG.	OXYGEN ml/l.	SALINITY ‰	CARD TYPE	NOTES
			11 12 13 14	15	16 17 18 19 20	21 22 23 24	25 26 27 28 29	30	31 32 33 34 35	36 37 38 39	40 41 42 43 44	45	46 47 48 49 50	51 52 53 54	55 56 57 58 59	60 61 62 63	64 65 66 67 68	79 80	PDT
1	1001	1	0		4990	1.52	1003		3685	1.52	1000							1 2	STATION:
		2				1.55	1003			1.54	1000							2 2	CRUISE: 88-01
2	2	3	10		4988	1.53	1000		5636	1.55	1000							1 2	DATE: 3 Apr 88
		4				1.56	1000			1.58	1000							2 2	DEPTH: 1290
3	3	5	20		3189	1.52	900		5621	1.54	900							1 2	TIME ZONE: PDT
		6				1.56	900			1.58	900							2 2	CAST:
4	4	7	30		5641	1.54	848		1150	1.53	848							1 2	WIRE ∠: 12°
		8				1.57	849			1.58	849							2 2	START:
5	5	9	50		3132	1.53	840		9265	1.54	833							1 2	DOWN: 1408
		10				1.57	840			1.59	834							2 2	MESS: 1418
6	8	11	75		7633	1.51	822		1199	1.49	820							1 2	UP: 1422 ?
		12				1.55	823			1.53	820							2 2	IN:
7	9	13	100		6079	1.48	800		6249	1.45	795							1 2	SECCHI:
		14				1.52	801			1.50	796							2 2	COLOUR:
8	10	15	125		6076	1.51	774		1207	1.49	765							1 2	B.T.:
		16				1.55	774			1.53	766							2 2	Felt 9 bottles trip.
9	11	17	150		1208	1.50	763		1207	1.51	763							1 2	
		18				1.55	763			1.55	764							2 2	
10	12	19	175		3687	1.52	742		1198	1.51	741		3297	1.55	910			1 2	20m Stopcock open
		20				1.57	741			1.56	743			1.53	910			2 2	
11	14	21	200		~~6059~~	~~1.53~~	—		1202	1.53	711		1380	1.51	882			1 2	
		22				~~1.57~~				1.56	712			1.52	881			2 2	
12	16	23	250		~~1203~~	~~1.52~~	~~915~~		~~6539~~	~~1.52~~	—		~~1396~~	~~1.50~~	~~580~~			1 2	
		24				~~1.58~~	~~915~~			~~1.57~~				~~1.51~~	~~580~~			2 2	
13	17	25	300		6520	1.52	607		3721	1.52	613		6331	1.53	855			1 2	
		26				1.56	608			1.56	614			1.55	855			2 2	
14	18	27	400		1304	1.53	533		9264	1.52	533		5825	1.50	941			1 2	
		28				1.58	534			1.55	534			1.53	943			2 2	
15	19	29	500		6546	1.48	495		1201	1.46	493		7682	1.43	955			1 2	
		30				1.54	495			1.51	494			1.45	952			2 2	
16	20	31	600		~~1299~~	~~1.48~~	—		5384	1.50	461		1392	1.48	965			1 2	
		32								1.56	462			1.50	965			2 2	
17	21	33	800		6078	1.52	413		6543	1.53	410		~~1340~~	~~1.49~~	~~833~~			1 2	
		34				1.56	415			1.57	412			~~1.51~~	~~831~~			2 2	

12083 6161

IDENTIFICATION									
YEAR		CA-ST	WIRE ANGLE		CRUISE		CONSEC.		
8	8	1			0	1			1
1	2	3	4	5	6	7	8	9	10

1 IDENT. CODE				2 LATITUDE (N=+)					3 LONGITUDE (W=+)						5 DATE						6 TIME			7 DEPTH TO BOTTOM				8 MAX. SAMP. DEPTH (M)		9 No. DEPTH. OBS'D.			21 UNASSIGNED						22 CRUISE REF. NUMBER			23 CONSEC. NUMBER			24 CARD TYPE	VESSEL	
CNTRY.		INST.		DEG.°		MIN.		1/10	DEG.°			MIN.		1/10	YEAR		MONTH		DAY		HOURS G.M.T.		1/10																						1	ENTERED BY	CHECKED BY
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	68	69	70	71	72	73	74	75	76	77	78	79	80		

SALINITY BOTTLE Nº	OXYGEN BOTTLE Nº		WIRE LENGTH (m)				LEFT THERMOMETER														MIDDLE THERMOMETER														RIGHT THERMOMETER														OXYGEN ml./l.				SALINITY ‰					CARD TYPE		NOTES
							P/U	SERIAL					AUX. RDG.				MAIN RDG.				P/U	SERIAL					AUX. RDG.				MAIN RDG.						P/U	SERIAL					AUX. RDG.				MAIN RDG.																		
			11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	79	80	
18	22	1	1	0	0	0		1	3	9	0	0	/	1	5	0		3	6	8				5	6	2	3	/	1	5	4		3	6	8				1	3	7	8	4	/	1	4	6	1	2	0	7											1	2	STATION:
		2											/	1	5	5		3	6	9								/	1	5	4		3	6	9									/	1	4	8	1	2	0	6											2	2	CRUISE:
19	23	3	1	2	0	0		1	2	0	2	0	/	1	5	1		3	3	2				6	4	1	4	/	1	5	0		3	3	2				1	2	1	5	1	/	1	4	8	1	3	4	4											1	2	DATE:
		4											/	1	5	7		3	3	3								/	1	5	4		3	3	3									/	1	5	0	1	3	4	3											2	2	DEPTH:
20	1025	5	1	3	0	0			5	3	8	7	/	1	5	2		3	1	8				7	6	3	5	/	1	5	0		3	1	9					6	0	5	3	/	1	4	9	1	4	7	0											1	2	TIME ZONE:
		6											/	1	5	6		3	1	9								/	1	5	4		3	2	1									/	1	5	2	1	4	7	1											2	2	CAST:
		7											/															/																/																		1	2	WIRE ∠:
		8											/															/																/																		2	2	START:
		9											/															/																/																		1	2	DOWN:
		10											/															/																/																		2	2	MESS:
		11											/															/																/																		1	2	UP:
		12											/															/																/																		2	2	IN:
		13											/															/																/																		1	2	SECCHI:
		14											/															/																/																		2	2	COLOUR:
		15											/															/																/																		1	2	B.T.:
		16											/															/																/																		2	2	
		17											/															/																/																		1	2	
		18											/															/																/																		2	2	
		19											/															/																/																		1	2	
		20											/															/																/																		2	2	
		21											/															/																/																		1	2	
		22											/															/																/																		2	2	
		23											/															/																/																		1	2	
		24											/															/																/																		2	2	
		25											/															/																/																		1	2	
		26											/															/																/																		2	2	
		27											/															/																/																		1	2	
		28											/															/																/																		2	2	
		29											/															/																/																		1	2	
		30											/															/																/																		2	2	
		31											/															/																/																		1	2	
		32											/															/																/																		2	2	
		33											/															/																/																		1	2	
		34											/															/																/																		2	2	

IDENTIFICATION									
YEAR	CAST	WIRE ANGLE			CRUISE		CONSEC.		
8 8	1				0 1		0 0		2
1 2	3	4		5	6	7	8	9	10

1 IDENT. CODE				2 LATITUDE (N=+)					3 LONGITUDE (W=+)					
CNTRY.		INST.		DEG.°		MIN.		1/10	DEG.°		MIN.			1/10
1 8		1	5	4 9		1 7		6	1 3		4 4		2	1
1 2	3	4		5 6	7	8	9		10 11	12	13	14	15	

5 DATE						6 TIME			7 DEPTH TO BOTTOM				8 MAX. SAMP. DEPTH (M)		9 No. DEPTH. OBS'D.	
YEAR		MONTH		DAY		HOURS G.M.T.		1/10								
8 8	0	5	0	6		0 3		2							2 4	
19 20	21	22	23	24		25 26		27	28	29	30	31	32	33	34	35

21 UNASSIGNED						22 CRUISE REF. NUMBER			23 CONSEC. NUMBER			24 CARD TYPE	VESSEL
W	P	1	6				0	1	0	0	2	1	PARIZEAU
68	69	70	71	72	73	74	75	76	77	78	79	80	ENTERED BY / CHECKED BY

SALINITY BOTTLE Nº	OXYGEN BOTTLE Nº		WIRE LENGTH (m)	LEFT THERMOMETER P/U	SERIAL	AUX. RDG.	MAIN RDG.	MIDDLE THERMOMETER P/U	SERIAL	AUX. RDG.	MAIN RDG.	RIGHT THERMOMETER P/U	SERIAL	AUX. RDG.	MAIN RDG.	OXYGEN ml./l.	SALINITY ‰	CARD TYPE		NOTES
			11 12 13 14	15	16 17 18 19 20	21 22 23 24	25 26 27 28 29	30	31 32 33 34 35	36 37 38 39	40 41 42 43 44	45	46 47 48 49 50	51 52 53 54	55 56 57 58 59	60 61 62 63	64 65 66 67 68	79	80	P16
21	1001	1	0		4990	164	800		3685	164	799							1	2	STATION: MP-16
		2				169	800			170	800							2	2	CRUISE: 8801
22	1002	3	10		4988	164	797		5636	167	798							1	2	DATE: 6 MAY
		4				171	798			174	798							2	2	DEPTH: 3770
23	1003	5	20		3189	165	792		5621	167	791							1	2	TIME ZONE: +7
		6				169	794			173	793							2	2	CAST:
24	1004	7	30		5641	167	790		11570	167	790							1	2	WIRE ∠:
		8				171	790			172	791							2	2	START: 0240
25	1005	9	50		3132	166	752		9265	166	746							1	2	DOWN: 0307
		10				171	754			172	746							2	2	MESS: 0313
26	1008	11	75		7633	166	747		11999	164	743							1	2	UP: 0320
		12				172	747			169	743							2	2	IN:
27	1009	13	100		6079	164	720		6249	162	715							1	2	SECCHI:
		14				169	721			167	716							2	2	COLOUR:
28	1010	15	125		6076	165	699		12074	165	692							1	2	B.T.:
		16				165	700			171	693							2	2	
29	1011	17	150		12082	170	645		12077	169	645							1	2	4917.55
		18				172	646			173	646							2	2	
30	1012	19	175		3687	167	619		11981	165	618		3297	167	787			1	2	13442.10
		20				172	620			171	619			171	786			2	2	
31	1014	21	200		6059	165	598		12023	165	598		13800	162	772			1	2	
		22				169	599			168	599			166	775			2	2	
32	1016	23	250		~~+2633~~	~~166~~	~~710~~		12083	165	551		13796	163	780			1	2	
		24				~~172~~	~~710~~			170	551			167	780			2	2	
33	1017	25	300		6520	165	512		3721	166	519		6331	165	763			1	2	
		26				171	513			170	520			169	762			2	2	
34	1018	27	400		13044	165	464		9264	163	464		5825	163	886			1	2	
		28				171	464			167	465			167	888			2	2	
35	1019	29	500		6546	164	444		12015	162	441		7682	159	914			1	2	
		30				169	445			166	442			164	918			2	2	
36	1020	31	600		12998	163	412		5384	164	412		13792	161	932			1	2	
		32				169	413			170	413			166	933			2	2	
37	1022	33	800		6078	167	375		6543	167	372		6161	163	14720			1	2	
		34				173	375			171	373			168	14711			2	2	

change unpro @ 500 m remove 12033 @ 250 m

IDENTIFICATION									
YEAR		CAST	WIRE ANGLE		CRUISE		CONSEC.		
8	8				0	1	0	0	2
1	2	3	4	5	6	7	8	9	10

1 IDENT. CODE				2 LATITUDE (N=+)					3 LONGITUDE (W=+)					
CNTRY.		INST.		DEG.°		MIN.		1/10	DEG.°			MIN.		1/10
1	8	1	5											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

5 DATE GMT						6 TIME			7 DEPTH TO BOTTOM				8 MAX. SAMP. DEPTH (M)		9 No. DEPTH. OBS'D.	
YEAR		MONTH		DAY		HOURS G.M.T.		1/10								
8	8	0	5	0	6										2	1
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35

21 UNASSIGNED						22 CRUISE REF. NUMBER			23 CONSEC. NUMBER			24 CARD TYPE	VESSEL
M	P	1	6				0	1	0	0	2	1	PARIZEAU
68	69	70	71	72	73	74	75	76	77	78	79	80	ENTERED BY / CHECKED BY

SALINITY BOTTLE Nº	OXYGEN BOTTLE Nº		WIRE LENGTH (m)				LEFT THERMOMETER P/U	SERIAL				AUX. RDG.				MAIN RDG.					MIDDLE THERMOMETER P/U	SERIAL				AUX. RDG.				MAIN RDG.					RIGHT THERMOMETER P/U	SERIAL				AUX. RDG.				MAIN RDG.					OXYGEN ml./l.				SALINITY ‰					CARD TYPE		NOTES
			11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	79	80	P16
#1 38	1023	1	1	0	0	0		1	3	9	0	0	/	1	6	4		3	3	0				5	6	2	3	/	1	6	7		3	3	0			1	3	7	8	4	/	1	6	0	1	2	0	3											1	2	STATION: MP-16
		2											/	1	6	9		3	3	1								/	1	7	3		3	3	1								/	1	6	6	1	2	0	5											2	2	CRUISE: 8801
#2 39	1025	3	1	7	0	0		1	2	6	2	0	/	1	6	4		2	9	9				6	4	1	4	/	1	6	3		2	9	9			1	2	1	5	1	/	1	5	9	1	3	6	1											1	2	DATE: MAY 6
		4											/	1	6	9		3	0	0								/	1	6	8		3	0	0								/	1	6	5	1	3	6	2											2	2	DEPTH: 3770
40	1026	5	1	9	0	0			5	3	8	7	/	1	6	4		2	6	0				7	6	3	5	/	1	6	2		2	6	1				6	0	5	3	/	1	6	0	1	6	7	1											1	2	TIME ZONE: +7
		6											/	1	7	1		2	6	2								/	1	6	8		2	6	2								/	1	6	6	1	6	7	0											2	2	CAST:
41	1027	7	2	0	0	0			6	0	7	3	/	1	6	3		2	2	0				6	0	7	2	/	1	6	2		2	2	7				7	6	7	8	/	1	5	8	2	1	6	1											1	2	WIRE ∠:
		8											/	1	6	9		2	2	0								/	1	6	7		2	2	8								/	1	6	5	2	1	6	5											2	2	START:
42	1028	9	2	5	0	0			6	5	7	9	/	1	6	2		2	1	1				1	3	8	9	7	/	1	6	2		1	9	6				3	7	4	9	/	1	5	7	2	7	7	2											1	2	DOWN: 0421
		10											/	1	7	7		2	1	2								/	1	6	8		1	9	7	*							/	1	6	5	2	7	7	2											2	2	MESS: 0421
43	1029	11	3	0	0	0		1	3	8	9	8	/	1	6	0		1	8	4	*			6	0	7	7	/	1	6	0		1	9	1				7	6	7	6	/	1	5	5	3	1	1	1											1	2	UP: 0441
		12											/	1	6	8		1	8	4								/	1	6	9		1	9	2								/	1	6	2	3	1	1	1	*										2	2	IN: 0511
44	1030	13	3	5	0	0			6	5	7	8	/	1	6	7		1	9	8	*			1	2	0	1	7	/	1	6	4		1	8	0				~~2~~	~~9~~	~~1~~	~~0~~	/	~~1~~	~~6~~	~~2~~			~~F~~	~~C~~											1	2	SECCHI:
		14											/	1	6	7		1	9	8	*							/	1	6	9		1	8	0								/	~~1~~	~~6~~	~~8~~			~~F~~	~~C~~											2	2	COLOUR:
45	1031	15	3	5	5	0			5	8	4	7	/	1	6	4		1	9	2				6	0	4	4	/	1	6	6		1	9	0				1	5	3	9	1	/	1	6	2	3	0	2	0	✓										1	2	B.T.:
		16											/	1	6	9		1	9	3	*							/	1	7	3		1	9	1	*							/	1	6	8	3	0	2	0	✓											2	2	
		17											/															/																/																				1	2	remove 2910
		18											/															/																/																				2	2	not cal.
		19											/															/																/																				1	2	
		20											/															/																/																				2	2	
		21											/															/																/																				1	2	15391
		22											/															/																/																				2	2	
		23											/															/																/																				1	2	
		24											/															/																/																				2	2	
		25											/															/																/																				1	2	
		26											/															/																/																				2	2	
		27											/															/																/																				1	2	
		28											/															/																/																				2	2	
		29											/															/																/																				1	2	
		30											/															/																/																				2	2	
		31											/															/																/																				1	2	
		32											/															/																/																				2	2	
		33											/															/																/																				1	2	
		34											/															/																/																				2	2	

remove 6578 @ 3500

IDENTIFICATION									
YEAR		CAST		WIRE ANGLE		CRUISE		CONSEC.	
8	8	2				0	1	0	0 3
1	2	3	4	5	6	7	8	9	10

1 IDENT. CODE				2 LATITUDE (N=+)					3 LONGITUDE (W=+)					
CNTRY.		INST.		DEG.°		MIN.		1/10	DEG.°		MIN.			1/10
				4	9	2	5	6	1	3	6	4	0	5
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

5 DATE						6 TIME			7 DEPTH TO BOTTOM				8 MAX. SAMP. DEPTH (M)		9 No. DEPTH. OBS'D.	
YEAR		MONTH		DAY		HOURS G.M.T.		1/10								
						F7										
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35

21 UNASSIGNED						22 CRUISE REF. NUMBER			23 CONSEC. NUMBER			24 CARD TYPE	VESSEL
												1	PARIZEAU
68	69	70	71	72	73	74	75	76	77	78	79	80	ENTERED BY / CHECKED BY

SALINITY BOTTLE Nº	OXYGEN BOTTLE Nº		WIRE LENGTH (m) 11–14	LEFT THERMOMETER P/U 15	SERIAL 16–20	AUX. RDG. 21–24	MAIN RDG. 25–29	MIDDLE THERMOMETER P/U 30	SERIAL 31–35	AUX. RDG. 36–39	MAIN RDG. 40–44	RIGHT THERMOMETER P/U 45	SERIAL 46–50	AUX. RDG. 51–54	MAIN RDG. 55–59	OXYGEN ml./l. 60–63	SALINITY ‰ 64–68	CARD TYPE 79	80	NOTES
62	1050	1	1000		13900	178	338		5623	180	338		13784	170	12100			1	2	STATION: MP18
		2				183	339			184	339			174	12100			2	2	CRUISE:
64	1051	3	1200		12020	175	305		6414	172	305		12151	169	13688			1	2	DATE: MAY 6
		4				178	305			177	305			176	13699			2	2	DEPTH:
65	1052	5	1500		5387	177	266		7635	174	266		6053	170	16800			1	2	TIME ZONE: +7
		6				182	268			181	268			179	16800			2	2	CAST:
66	1053	7	2000		6673	175	221		6072	173	230		7678	168	21165			1	2	WIRE ∠:
	1054	8				180	222			189	230			176	21167			2	2	START: 1700
67	1055	9	2500		6579	171	212		13897	174	197		3749	170	27271			1	2	DOWN:
	1056	10				175	212			178	198			177	27271			2	2	MESS: 1745
68	1057	11	3000		13898	173	186		6077	172	194		7676	165	31106			1	2	UP: 1805
	1058	12				176	186			178	194			173	31106			2	2	IN:
69	1059	13	3500		6578	173	197		12017	175	179		7682	167	35108			1	2	SECCHI:
	1060	14				178	198			178	179			176	35100			2	2	COLOUR:
70	1061	15	3700		5847	174	192		6044	176	191		29359	170	28588			1	2	B.T.:
	1062	16				178	193			179	191			176	28600			2	2	
		17																1	2	
		18																2	2	
		19																1	2	
		20																2	2	
		21																1	2	
		22																2	2	
		23																1	2	
		24																2	2	
		25																1	2	
		26																2	2	
		27																1	2	
		28																2	2	
		29																1	2	
		30																2	2	
		31																1	2	
		32																2	2	
		33																1	2	
		34																2	2	

#1

#2

IDENTIFICATION									
YEAR		CAST	WIRE ANGLE		CRUISE		CONSEC.		
8	8	1	0	5	0	1			3
1	2	3	4	5	6	7	8	9	10

1 IDENT. CODE				2 LATITUDE (N=+)					3 LONGITUDE (W=+)					
CNTRY.		INST.		DEG.°		MIN.		1/10	DEG.°			MIN.		1/10
				4	9	2	5	2	1	3	6	4	1	8
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

5 DATE			6 TIME			7 DEPTH TO BOTTOM				8 MAX. SAMP. DEPTH (M)		9 No. DEPTH. OBS'D.	
YEAR	MONTH	DAY	HOURS G.M.T.		1/10								
8	8	0 5	0	6	1	6	3					2	5
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35

21 UNASSIGNED						22 CRUISE REF. NUMBER			23 CONSEC. NUMBER			24 CARD TYPE
M	P	1	8				0	1	0	0	3	1
68	69	70	71	72	73	74	75	76	77	78	79	80

VESSEL: PARIZEAU

ENTERED BY | CHECKED BY

SALINITY BOTTLE Nº	OXYGEN BOTTLE Nº		WIRE LENGTH (m)	LEFT THERMOMETER P/U	LEFT THERMOMETER SERIAL	LEFT THERMOMETER AUX. RDG.	LEFT THERMOMETER MAIN RDG.	MIDDLE THERMOMETER P/U	MIDDLE THERMOMETER SERIAL	MIDDLE THERMOMETER AUX. RDG.	MIDDLE THERMOMETER MAIN RDG.	RIGHT THERMOMETER P/U	RIGHT THERMOMETER SERIAL	RIGHT THERMOMETER AUX. RDG.	RIGHT THERMOMETER MAIN RDG.	OXYGEN ml./l.	SALINITY ‰	CARD TYPE	NOTES
			11 12 13 14	15	16 17 18 19 20	21 22 23 24	25 26 27 28 29	30	31 32 33 34 35	36 37 38 39	40 41 42 43 44	45	46 47 48 49 50	51 52 53 54	55 56 57 58 59	60 61 62 63	64 65 66 67 68	79 80	P 18
46	1032	1	0		4990	179	768		3685	177	765							1 2	STATION: MP18
		2				185	769			183	767							2 2	CRUISE:
47	1033	3	10		4988	180	772		5636	183	770							1 2	DATE: MAY 6
		4				185	774			188	771							2 2	DEPTH:
48	1034	5	20		3189	178	768		5621	180	769							1 2	TIME ZONE: +7
		6				184	770			185	770							2 2	CAST:
49	1035	7	30		5641	180	763		11570	181	766							1 2	WIRE ∠: 5
		8				186	766			185	768							2 2	START: 1600
50	1036	9	50		3132	180	763		9265	180	756							1 2	DOWN: 1617
		10				185	764			184	756							2 2	MESS: 1622
51	1038	11	75		7633	177	736		11999	174	733							1 2	UP: 1628
		12				183	737			178	734							2 2	IN: 1645
52	1039	13	100		6079	175	725		6249	173	718							1 2	SECCHI:
		14				179	723			178	719							2 2	COLOUR:
53	1040	15	125		6076	178	723		12074	177	715							1 2	B.T.:
		16				184	724			182	716							2 2	
54	1041	17	150		12082	178	677		12077	178	677							1 2	
		18				183	678			182	678							2 2	
55	1042	19	175		3687	178	656		11981	177	655		3297	179	823			1 2	
		20				183	658			182	656			183	824			2 2	
56	1043	21	200		6059	177	628		12023	176	629		13800	173	804			1 2	
		22				182	629			180	630			176	806			2 2	
57	1044	23	150		12033	178	576		12083	177	576		~~13796~~	~~175~~	~~0.88~~			1 2	
		24				183	578			183	577			~~179~~				2 2	
58	1045	25	300		6520	177	519		3721	177	525		6331	176	773			1 2	
		26				182	520			182	525			181	773			2 2	
59	1046	27	400		13044	177	475		9264	173	475		5825	173	900			1 2	
		28				182	476			178	475			177	899			2 2	
60	1047	29	500		6546	175	454		12015	172	450		11504	168	890			1 2	
		30				182	454			178	452			173	890			2 2	
61	1048	31	600		~~2998~~	175	EC		5384	178	421		13792	172	941			1 2	
		32								181	422			178	942			2 2	
62	1049	33	800		6078	179	382		6543	178	378		6161	173	14.76			1 2	
		34				185	382			182	379			178	1478			2 2	

IDENTIFICATION									
YEAR		CAST	WIRE ANGLE		CRUISE		CONSEC.		
8	8	1	1	2	0	1	0	0	4
1	2	3	4	5	6	7	8	9	10

1 IDENT. CODE				2 LATITUDE (N=+)					3 LONGITUDE (W=+)								
CNTRY.		INST.		DEG.°		MIN.		1/10	DEG.°			MIN.			1/10		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15			

5 DATE						6 TIME			7 DEPTH TO BOTTOM				8 MAX. SAMP. DEPTH (M)		9 No. DEPTH. OBS'D.		
YEAR		MONTH		DAY		HOURS G.M.T.		1/10									
8	8	0	5	0	8	2	1	9	4	1	6	5					
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	

21 UNASSIGNED						22 CRUISE REF. NUMBER			23 CONSEC. NUMBER			24 CARD TYPE	VESSEL
M	P	2	6				0	1	0	0	4	1	Parizeau
68	69	70	71	72	73	74	75	76	77	78	79	80	ENTERED BY: JY. / CHECKED BY:

P26-1

SALINITY BOTTLE Nº	OXYGEN BOTTLE Nº		WIRE LENGTH (m)	LEFT THERMOMETER P/U	LEFT THERMOMETER SERIAL	LEFT THERMOMETER AUX. RDG.	LEFT THERMOMETER MAIN RDG.	MIDDLE THERMOMETER P/U	MIDDLE THERMOMETER SERIAL	MIDDLE THERMOMETER AUX. RDG.	MIDDLE THERMOMETER MAIN RDG.	RIGHT THERMOMETER P/U	RIGHT THERMOMETER SERIAL	RIGHT THERMOMETER AUX. RDG.	RIGHT THERMOMETER MAIN RDG.	OXYGEN ml./l.	SALINITY ‰	CARD TYPE	NOTES
			11 12 13 14	15	16 17 18 19 20	21 22 23 24	25 26 27 28 29	30	31 32 33 34 35	36 37 38 39	40 41 42 43 44	45	46 47 48 49 50	51 52 53 54	55 56 57 58 59	60 61 62 63	64 65 66 67 68	79 80	
71	1001	1	0		4990	167	590		3685	166	588							1 2	STATION: P26
		2				172	592			172	590							2 2	CRUISE: 8801
72	02	3	10		4988	167	588		5636	169	589							1 2	DATE: 8/5/88
		4				172	590			175	590							2 2	DEPTH:
73	03	5	20		3189	165	580		5621	169	580							1 2	TIME ZONE: +7
		6				172	581			174	581							2 2	CAST: 1
74	04	7	30		5641	169	556		11570	170	558							1 2	WIRE ∠: 12°
		8				174	558			175	560							2 2	START: 2100
75	05	9	50		3132	168	540		9265	169	531							1 2	DOWN: 2140
		10				173	541			175	532							2 2	MESS: 2150
76	08	11	75		7633	168	523		11999	167	520							1 2	UP: 2155
		12				173	524			172	520							2 2	IN: 2205
77	09	13	100		6079	166	507		6249	164	502							1 2	SECCHI:
		14				171	507			168	503							2 2	COLOUR:
78	10	15	125		6076	168	496		12074	167	488							1 2	B.T.:
		16				173	496			173	489							2 2	
79	11	17	150		12082	168	484		12077	168	484							1 2	400 m bottle
		18				173	485			172	486							2 2	drain valve
80	12	19	175		3687	168	480		11981	165	480		3297	168	648			1 2	pushed in when
		20				173	481			172	481			172	649			2 2	recovered.
81	14	21	200		6059	166	463		12023	166	460		13800	164	637			1 2	
		22				172	464			171	461			167	638			2 2	
82	16	23	250		12033	168	511		12083	167	442		~~13796~~	~~165~~	~~EC~~			1 2	
		24				174	513			173	443							2 2	
83	17	25	300		6520	168	442		3721	167	448		6331	167	695			1 2	
		26				173	443			172	448			171	695			2 2	
84	18	27	400		6546	165	420		12015	165	417		11504	163	768			1 2	
		28				172	421			169	415			166	770			2 2	
85	19	29	500		13044	167	397		9264	165	396		5825	165	920			1 2	
		30				172	397			169	397			169	922			2 2	
86	20	31	600		6071	166	379		5384	168	378		13792	164	896			1 2	
		32				172	380			174	379			168	898			2 2	
87	22	33	800		6078	168	346		6543	168	344		6161	166	14443			1 2	
		34				173	346			170	344			171	14445			2 2	

IDENTIFICATION									
YEAR		CAST	WIRE ANGLE		CRUISE		CONSEC.		
8	8	2			0	1	0	0	4
1	2	3	4	5	6	7	8	9	10

1 IDENT. CODE				2 LATITUDE (N=+)					3 LONGITUDE (W=+)					
CNTRY.		INST.		DEG.°		MIN.		1/10	DEG.°			MIN.		1/10
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

5 DATE						6 TIME			7 DEPTH TO BOTTOM				8 MAX. SAMP. DEPTH (M)		9 No. DEPTH. OBS'D.	
YEAR		MONTH		DAY		HOURS G.M.T.		1/10								
8	8	0	5	0	8	2	3	2							2	7
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35

21 UNASSIGNED						22 CRUISE REF. NUMBER			23 CONSEC. NUMBER			24 CARD TYPE	VESSEL
M	P	2	6				0	1	0	0	4	1	PARIZEAU
68	69	70	71	72	73	74	75	76	77	78	79	80	ENTERED BY / CHECKED BY

P 26-1

SALINITY BOTTLE Nº	OXYGEN BOTTLE Nº		WIRE LENGTH (m)	LEFT THERMOMETER P/U	LEFT THERMOMETER SERIAL	LEFT THERMOMETER AUX. RDG.	LEFT THERMOMETER MAIN RDG.	MIDDLE THERMOMETER P/U	MIDDLE THERMOMETER SERIAL	MIDDLE THERMOMETER AUX. RDG.	MIDDLE THERMOMETER MAIN RDG.	RIGHT THERMOMETER P/U	RIGHT THERMOMETER SERIAL	RIGHT THERMOMETER AUX. RDG.	RIGHT THERMOMETER MAIN RDG.	OXYGEN ml./l.	SALINITY ‰	CARD TYPE	NOTES
			11 12 13 14	15	16 17 18 19 20	21 22 23 24	25 26 27 28 29	30	31 32 33 34 35	36 37 38 39	40 41 42 43 44	45	46 47 48 49 50	51 52 53 54	55 56 57 58 59	60 61 62 63	64 65 66 67 68	79 80	PAPA
#1 88	1023	1	1000		13900	16.7	3.08		5623	17.0	3.09		13784	16.3	11.85			1 2	STATION: P26
		2	2			17.3	3.10			17.7	3.10			16.6	11.86			2 2	CRUISE: 8801
#2 89	1025	3	1200		12020	16.5	2.88		6414	16.3	2.88		12151	15.8	13.49			1 2	DATE: 8/5/88
		4	3			17.1	2.88			16.6	2.89			16.3	13.50			2 2	DEPTH:
90 26		5	1500		5387	16.2	2.56		7635	16.8	2.56		6053	15.6	16.67			1 2	TIME ZONE: +7
		6	4			16.7	2.58			17.4	2.58			16.2	16.68			2 2	CAST: 2
91 27		7	2000		6073	16.2	2.19		6072	16.0	2.27		7678	15.4	21.60			1 2	WIRE ∠: 10°
		8	2005			16.7	2.19			16.7	2.27			16.1	21.61			2 2	START: 2210
92 28		9	2500		6579	15.9	2.11		13897	15.9	1.96		3749	15.5	27.68			1 2	DOWN: 2312
		10	2506			16.4	2.12			16.4	1.97			15.9	27.70			2 2	MESS: 2312
93 29		11	3000		13898	15.8	1.83		6077	15.8	1.90		7676	14.8	30.98			1 2	UP: 2335
		12	3007			16.3	1.84			16.4	1.91			15.5	31.10			2 2	IN:
94 30		13	3500		6578	15.8	1.91		12017	15.9	1.73		7682	15.3	33.85			1 2	SECCHI:
		14	3508			16.6	1.92			16.6	1.74			15.9	33.89			2 2	COLOUR:
95 31		15	4000		5847	15.9	1.85		6044	16.0	1.83		29359	15.4	28.50			1 2	B.T.:
		16	4009			16.6	1.86			16.7	1.84			16.1	28.55			2 2	
96 32		17	4100		~~6045~~	~~16.5~~	~~EC~~		12384	16.6	1.91		15390	~~15.9~~	~~EC~~			1 2	Pinger - 40m off bottom
		18	4109							17.4	1.93							2 2	
97 33		19	4200		6049	16.5	1.83		6575	16.4	1.83		15398	14.4	32.60			1 2	Reink 1000
		20				17.1	1.83			16.8	1.84			14.9	32.61			2 2	
		21																1 2	
		22																2 2	
		23																1 2	
		24																2 2	
		25																1 2	
		26																2 2	
		27																1 2	
		28																2 2	
		29																1 2	
		30																2 2	
		31																1 2	
		32																2 2	
		33																1 2	
		34																2 2	

01 12 33

3271

IDENTIFICATION										1 IDENT. CODE				2 LATITUDE (N=+)				3 LONGITUDE (W=+)				5 DATE			6 TIME		7 DEPTH TO BOTTOM				8 MAX. SAMP. DEPTH (M)		9 No. DEPTH. OBS'D.		21 UNASSIGNED						22 CRUISE REF. NUMBER			23 CONSEC. NUMBER			24 CARD TYPE	VESSEL
YEAR		CAST	WIRE ANGLE		CRUISE		CONSEC.			CNTRY.		INST.		DEG.°		MIN.	1/10	DEG.°		MIN.	1/10	YEAR		MONTH	DAY	HOURS G.M.T.	1/10	TO BOTTOM				MAX. SAMP. DEPTH (M)		No. DEPTH. OBS'D.														CARD TYPE	PARIZEAU
8	8	1			0	1			5													8	8	0	5	0	9	4	2	0	0										0	1		0	0	5	1	ENTERED BY / CHECKED BY
1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	68	69	70	71	72	73	74	75	76	77	78	79	80

SALINITY BOTTLE Nº	OXYGEN BOTTLE Nº		WIRE LENGTH (m)	LEFT THERMOMETER P/U	LEFT THERMOMETER SERIAL	LEFT THERMOMETER AUX. RDG.	LEFT THERMOMETER MAIN RDG.	MIDDLE THERMOMETER P/U	MIDDLE THERMOMETER SERIAL	MIDDLE THERMOMETER AUX. RDG.	MIDDLE THERMOMETER MAIN RDG.	RIGHT THERMOMETER P/U	RIGHT THERMOMETER SERIAL	RIGHT THERMOMETER AUX. RDG.	RIGHT THERMOMETER MAIN RDG.	OXYGEN ml./l.	SALINITY ‰	CARD TYPE	NOTES
98	1038	1	0		4990	169	570		3685	167	570							1	2	STATION: P26
		2				172	571			171	570							2	2	CRUISE: OC-01
99	39	3	10		4988	169	574		5636	172	573							1	2	DATE: MAY 9/88
		4				172	575			175	573							2	2	DEPTH: 4200
100	40	5	20		3189	170	574		5621	173	574							1	2	TIME ZONE: +7
		6				174	574			176	575							2	2	CAST: 0 - 1000 UTC
101	41	7	30		5641	173	567		11570	173	570							1	2	WIRE ∠: 5
		8				175	568			176	570							2	2	START: 0935 1635
102	42	9	50		3132	170	546		9265	171	538							1	2	DOWN: 0958 1658
		10				175	548			176	538							2	2	MESS: 1004 1704
103	43	11	75		7633	172	534		11999	172	530							1	2	UP: 1010 1710
		12				178	535			175	532							2	2	IN: 1032
104	44	13	100		6079	172	529		6249	172	524							1	2	SECCHI:
		14				175	530			175	524							2	2	COLOUR:
105	45	15	125		6076	171	501		12074	171	493							1	2	B.T.:
		16				174	502			175	494							2	2	
106	46	17	150		12082	172	503		12077	172	504							1	2	
		18				176	504			177	505							2	2	
107	47	19	175		3687	172	476		11981	169	475		3297	173	645			1	2	
		20				176	477			173	476			175	644			2	2	
108	48	21	200		6059	170	466		12023	170	463		13800	168	638			1	2	
		22				173	467			174	464			172	639			2	2	
109	49	23	250		12033	173	441		12083	172	441		13796	170	670			1	2	
		24				177	442			176	442			172	671			2	2	
110	50	25	300		6520	173	437		3721	173	442		6331	172	688			1	2	
		26				175	437			175	442			174	688			2	2	
111	51	27	400		13844	171	417		9264	168	417		5825	169	835			1	2	
		28				175	417			172	417			172	834			2	2	
112	52	29	500		6546	170	405		12015	168	401		11504	165	835			1	2	
		30				173	406			171	402			168	836			2	2	
113	53	31	600		6071	168	383		5384	171	381		13792	168	896			1	2	
		32				172	384			174	382			171	896			2	2	
114	54	33	800		6078	172	352		6543	172	350		6161	170	1436			1	2	
		34				175	352			175	350			173	1437			2	2	

IDENTIFICATION									
YEAR		CAST	WIRE ANGLE		CRUISE		CONSEC.		
8	8				0	1	0	0	5
1	2	3	4	5	6	7	8	9	10

1 IDENT. CODE				2 LATITUDE (N=+)					3 LONGITUDE (W=+)					
CNTRY.		INST.		DEG.°		MIN.		1/10	DEG.°			MIN.		1/10
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

5 DATE						6 TIME			7 DEPTH TO BOTTOM				8 MAX. SAMP. DEPTH (M)		9 No. DEPTH. OBS'D.		
YEAR		MONTH		DAY		HOURS G.M.T.		1/10									
8	8	0	5	0	9				4	2	4	0	4	2	0	9	
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	

21 UNASSIGNED						22 CRUISE REF. NUMBER			23 CONSEC. NUMBER			24 CARD TYPE	VESSEL
							0	1	0	0	5	1	PARIZEAU
68	69	70	71	72	73	74	75	76	77	78	79	80	ENTERED BY / CHECKED BY

SALINITY BOTTLE N°	OXYGEN BOTTLE N°		WIRE LENGTH (m)	LEFT THERMOMETER P/U	LEFT THERMOMETER SERIAL	LEFT THERMOMETER AUX. RDG.	LEFT THERMOMETER MAIN RDG.	MIDDLE THERMOMETER P/U	MIDDLE THERMOMETER SERIAL	MIDDLE THERMOMETER AUX. RDG.	MIDDLE THERMOMETER MAIN RDG.	RIGHT THERMOMETER P/U	RIGHT THERMOMETER SERIAL	RIGHT THERMOMETER AUX. RDG.	RIGHT THERMOMETER MAIN RDG.	OXYGEN ml/l.	SALINITY ‰	CARD TYPE	NOTES
			11 12 13 14	15	16 17 18 19 20	21 22 23 24	25 26 27 28 29	30	31 32 33 34 35	36 37 38 39	40 41 42 43 44	45	46 47 48 49 50	51 52 53 54	55 56 57 58 59	60 61 62 63	64 65 66 67 68	79	80
#1 115	55	1	1000	–	13900	17.0	3.15	–	5623	17.4	3.17		13784	16.7	11.84			1	2
		2				17.3	3.16			17.7	3.17			17.0	11.83			2	2
#2 116	56	3	1200	–	12020	17.2	2.88	–	6414	17.1	2.89	–	12151	16.8	13.54			1	2
		4				17.6	2.89			17.4	2.90			17.2	13.54			2	2
117	57	5	1500	–	5387	17.2	2.59	–	7635	17.2	2.60	–	6053	17.2	16.72			1	2
		6				17.6	2.60			17.6	2.60			17.3	16.73			2	2
118	58	7	2000	–	6073	16.9	2.21	–	6072	16.9	2.30	–	7678	16.7	21.68			1	2
		8				17.3	2.22			17.2	2.30			17.0	21.69			2	2
119	59	9	2500	–	6579	16.9	2.14	–	13897	17.0	1.98	–	3749	16.8	27.78			1	2
	60	10				17.2	2.15			17.3	1.99			17.1	27.79			2	2
120	61	11	3000	–	13898	16.7	1.84	–	6077	16.9	1.92	–	7676	16.5	31.08			1	2
	62	12				17.0	1.84			17.2	1.92			16.8	31.09			2	2
121	63	13	3500	–	6578	17.0	1.92	–	20.17	17.2	1.75	–	7682	16.9	35.08			1	2
	64	14				17.3	1.93			17.5	1.75			17.2	35.09			2	2
122	65	15	4000	–	5847	17.2	1.88	–	6044	17.3	1.86	–	29359	16.8	30.87			1	2
	66	16				17.5	1.89			17.5	1.86			17.2	30.90			2	2
123	67	17	4100	–	6045	17.3	1.85	–	12384	17.4	1.76	–	15390	16.9	35.10			1	2
	68	18				17.7	1.86			17.8	1.77			17.3	35.12			2	2
124	69	19	4200	–	6049	17.2	1.86	–	6575	17.2	1.87	–	15398	15.3	35.90			1	2
	1071	20				17.7	1.87			17.5	1.88			15.5	35.92			2	2
		21																1	2
		22																2	2
		23																1	2
		24																2	2
		25																1	2
		26																2	2
		27																1	2
		28																2	2
		29																1	2
		30																2	2
		31																1	2
		32																2	2
		33																1	2
		34																2	2

NOTES:
STATION: P26
CRUISE: OC-01
DATE: MAY 9/88
DEPTH: 4200
TIME ZONE: +7
CAST: 1200-4200 UTC
WIRE ∠: 3°–
START: 1050 1750
DOWN: 1141 1841
MESS: 1141 1841
UP: 1206 1906
IN: 1250
SECCHI:
COLOUR:
B.T.:
Wind 25-30 knots

91
25
66

CTD Calibration Bottle

IDENTIFICATION									
YEAR		CAST	WIRE ANGLE		CRUISE		CONSEC.		
8	8	1			0	1			
1	2	3	4	5	6	7	8	9	10

1 IDENT. CODE				2 LATITUDE (N=+)					3 LONGITUDE (W=+)					
CNTRY.		INST.		DEG.°		MIN.		1/10	DEG.°		MIN.			1/10
				5	1	0	6	9	1	3	9	2	9	4
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

5 DATE						6 TIME			7 DEPTH TO BOTTOM				8 MAX. SAMP. DEPTH (M)		9 No. DEPTH. OBS'D.		
YEAR		MONTH		DAY		HOURS G.M.T.		1/10									
8	8	0	5	1	3	0	7	7									
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	

21 UNASSIGNED						22 CRUISE REF. NUMBER			23 CONSEC. NUMBER			24 CARD TYPE	VESSEL	
M	R	1	5				0	1		4	0	1	ENTERED BY	CHECKED BY
68	69	70	71	72	73	74	75	76	77	78	79	80		

	SALINITY BOTTLE Nº	OXYGEN BOTTLE Nº		WIRE LENGTH (m) 11	12	13	14	LEFT THERMOMETER P/U 15	SERIAL 16	17	18	19	20	AUX. RDG. 21	22	23	24	MAIN RDG. 25	26	27	28	29	MIDDLE THERMOMETER P/U 30	SERIAL 31	32	33	34	35	AUX. RDG. 36	37	38	39	MAIN RDG. 40	41	42	43	44	RIGHT THERMOMETER P/U 45	SERIAL 46	47	48	49	50	AUX. RDG. 51	52	53	54	MAIN RDG. 55	56	57	58	59	OXYGEN ml./l. 60	61	62	63	SALINITY ‰ 64	65	66	67	68	CARD TYPE 79	80	NOTES
R15	125		1	1	9	8	7		1	3	7	2	7	/	1	6	5		2	1	5				6	5	2	1	/	1	6	5		2	1	8			1	3	7	8	5	/	1	6	2	1	9	2	8		0	0	3	9								1	2	STATION:
			2											/	1	6	7		2	1	5								/	1	6	6		2	1	8									/	1	6	2	1	9	2	8												2	2	CRUISE:
			3											/															/																/																				1	2	DATE:
			4											/															/																/																				2	2	DEPTH:
			5											/															/																/																				1	2	TIME ZONE:
			6											/															/																/																				2	2	CAST:
			7											/															/																/																				1	2	WIRE ∠:
			8											/															/																/																				2	2	START:
			9											/															/																/																				1	2	DOWN:
			10											/															/																/																				2	2	MESS: 0739 0039
			11											/															/																/																				1	2	UP:
			12											/															/																/																				2	2	IN:
			13											/															/																/																				1	2	SECCHI:
			14											/															/																/																				2	2	COLOUR:
			15											/															/																/																				1	2	B.T.:
			16											/															/																/																				2	2	
			17											/															/																/																				1	2	
			18											/															/																/																				2	2	
			19											/															/																/																				1	2	
			20											/															/																/																				2	2	
			21											/															/																/																				1	2	
			22											/															/																/																				2	2	
			23											/															/																/																				1	2	
			24											/															/																/																				2	2	
			25											/															/																/																				1	2	
			26											/															/																/																				2	2	
			27											/															/																/																				1	2	
			28											/															/																/																				2	2	
			29											/															/																/																				1	2	
			30											/															/																/																				2	2	
			31											/															/																/																				1	2	
			32											/															/																/																				2	2	
			33											/															/																/																				1	2	
			34											/															/																/																				2	2	

TRITIUM CAST

IDENTIFICATION									
YEAR		CAST	WIRE ANGLE		CRUISE		CONSEC.		
8	8	6			0	1	0	0	6
1	2	3	4	5	6	7	8	9	10

1 IDENT. CODE				2 LATITUDE (N=+)					3 LONGITUDE (W=+)					
CNTRY.		INST.		DEG.°		MIN.		1/10	DEG.°		MIN.		1/10	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

5 DATE						6 TIME			7 DEPTH TO BOTTOM				8 MAX. SAMP. DEPTH (M)		9 No. DEPTH. OBS'D.		
YEAR		MONTH		DAY		HOURS G.M.T.		1/10									
8	8	0	5	1	0	1	9	8	4	2	0	0			0	8	
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	

21 UNASSIGNED						22 CRUISE REF. NUMBER			23 CONSEC. NUMBER			24 CARD TYPE	VESSEL	
M	P	2	6				0	1	0	0	6	1	Pavizcaw	
68	69	70	71	72	73	74	75	76	77	78	79	80	ENTERED BY	CHECKED BY

SALINITY BOTTLE Nº	OXYGEN BOTTLE Nº		WIRE LENGTH (m)	LEFT THERMOMETER P/U	LEFT THERMOMETER SERIAL	LEFT THERMOMETER AUX. RDG.	LEFT THERMOMETER MAIN RDG.	MIDDLE THERMOMETER P/U	MIDDLE THERMOMETER SERIAL	MIDDLE THERMOMETER AUX. RDG.	MIDDLE THERMOMETER MAIN RDG.	RIGHT THERMOMETER P/U	RIGHT THERMOMETER SERIAL	RIGHT THERMOMETER AUX. RDG.	RIGHT THERMOMETER MAIN RDG.	OXYGEN ml/l.	SALINITY ‰	CARD TYPE		NOTES
1T		1	0		4990	162	599		3685	161	598							1	2	STATION: P26
		2				165	600			165	599							2	2	CRUISE: 88-01
2T		3	50		3132	165	540		9265	165	533							1	2	DATE: 10/5/88
		4				168	541			169	534							2	2	DEPTH: 800
3T		5	100		6079	165	519		6249	165	513							1	2	TIME ZONE: +7
		6				170	520			169	514							2	2	CAST: 6
4T		7	150		12082	165	502		12077	165	502							1	2	WIRE ∠:
		8				168	503			167	503							2	2	START: 1229 PDT
5T		9	200		6059	162	478		12023	163	477		13800	162	641			1	2	DOWN: 1246
		10				166	478			166	477			164	642			2	2	MESS: 1251
6T		11	300		6520	164	445		3721	164	450		6331	163	682			1	2	UP:
		12				168	446			168	451			165	684			2	2	IN:
7T		13	500		6546	163	410		12015	162	406		11504	159	818			1	2	SECCHI:
		14				168	410			165	406			161	818			2	2	COLOUR:
8T		15	800		6078	165	358		6543	165	355		6161	162	1389			1	2	B.T.:
		16				169	358			169	356			165	1389			2	2	
		17																1	2	1751
		18																2	2	
		19																1	2	UTC
		20																2	2	
		21																1	2	
		22																2	2	
		23																1	2	
		24																2	2	
		25																1	2	
		26																2	2	
		27																1	2	
		28																2	2	
		29																1	2	
		30																2	2	
		31																1	2	
		32																2	2	
		33																1	2	
		34																2	2	

IDENTIFICATION									
YEAR		CAST	WIRE ANGLE		CRUISE		CONSEC.		
8	8				0	1	0	0	7
1	2	3	4	5	6	7	8	9	10

1 IDENT. CODE				2 LATITUDE (N=+)					3 LONGITUDE (W=+)					
CNTRY.		INST.		DEG.°		MIN.		1/10	DEG.°		MIN.		1/10	
				5	1	1	1	0	1	3	8	0	6	0
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

5 DATE			6 TIME		7 DEPTH TO BOTTOM		8 MAX. SAMP. DEPTH (M)		9 No. DEPTH. OBS'D.	
YEAR	MONTH	DAY	HOURS G.M.T.	1/10						
8 8	0 5	1 3	1 7	1	3 5 9 0				2 5	
19 20	21 22	23 24	25 26	27	28 29 30 31		32 33		34 35	

21 UNASSIGNED						22 CRUISE REF. NUMBER			23 CONSEC. NUMBER			24 CARD TYPE	VESSEL
M	R	1	3			0	0	1	0	0	7	1	Porcupine
68	69	70	71	72	73	74	75	76	77	78	79	80	ENTERED BY / CHECKED BY

SALINITY BOTTLE Nº	OXYGEN BOTTLE Nº		WIRE LENGTH (m)	LEFT THERMOMETER P/U	LEFT THERMOMETER SERIAL	LEFT THERMOMETER AUX. RDG.	LEFT THERMOMETER MAIN RDG.	MIDDLE THERMOMETER P/U	MIDDLE THERMOMETER SERIAL	MIDDLE THERMOMETER AUX. RDG.	MIDDLE THERMOMETER MAIN RDG.	RIGHT THERMOMETER P/U	RIGHT THERMOMETER SERIAL	RIGHT THERMOMETER AUX. RDG.	RIGHT THERMOMETER MAIN RDG.	OXYGEN ml./l.	SALINITY ‰	CARD TYPE	NOTES
126	1001	1	0		4990	177	720		3685	175	718							1 2	STATION: MR13
		2				178	720			177	719							2 2	CRUISE: 88-01
127	02	3	10		4988	177	724		5636	179	723							1 2	DATE: 13/5/88
	0	4				179	723			183	723							2 2	DEPTH: 3590
128	03	5	20		3189	178	724		5621	180	724							1 2	TIME ZONE: +7
		6				181	723			182	723							2 2	CAST:
129	04	7	30		5641	179	716		11570	179	718							1 2	WIRE ∠: 0
		8				182	716			182	718							2 2	START: 1635
130	05	9	50		3132	177	654		9265	177	647							1 2	DOWN: 1700
		10				180	653			181	648							2 2	MESS: 1707
131	08	11	75		7633	178	602		11999	175	598							1 2	UP: 1713
		12				181	603			179	598							2 2	IN: 1850
132	09	13	100		6079	177	588		6249	177	582							1 2	SECCHI:
		14				179	588			179	582							2 2	COLOUR:
133	10	15	125		6076	178	557		12074	176	549							1 2	B.T.:
		16				180	557			178	549							2 2	
134	11	17	150		12082	178	543		12077	178	543							1 2	Sounder 3592
		18				180	542			181	543							2 2	depth 3612
135	12	19	175		3687	178	508		11981	174	506		3297	178	676			1 2	
		20				180	507			176	506			180	676			2 2	
136	14	21	200		6059	177	492		12023	176	490		13800	174	666			1 2	
		22				180	492			179	490			176	667			2 2	
137	16	23	250		12033	177	463		12083	176	463		13796	173	445			1 2	
		24				181	463			179	463			175	445			2 2	
138	17	25	300		6520	175	447		3921	175	452		6331	175	702			1 2	
		26				178	448			178	453			177	703			2 2	
139	18	27	400		13044	175	433		9264	173	433		5825	173	856			1 2	
		28				179	433			172	433			175	857			2 2	
140	19	29	500		6546	174	415		12015	173	411		11504	172	852			1 2	
		30				177	415			176	412			172	851			2 2	
141	20	31	600		6071	175	390		5384	177	389		13792	173	911			1 2	
		32				178	392			179	389			175	911			2 2	
142	21	33	800		6078	178	358		6543	176	357		6161	175	14457			1 2	
		34				180	360			178	357			176	14458			2 2	

IDENTIFICATION									
YEAR		CAST	WIRE ANGLE		CRUISE		CONSEC.		
8	8				0	1	0	0	7
1	2	3	4	5	6	7	8	9	10

1 IDENT. CODE				2 LATITUDE (N=+)					3 LONGITUDE (W=+)				
CNTRY.		INST.		DEG.°		MIN.		1/10	DEG.°		MIN.		1/10
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

5 DATE			6 TIME		7 DEPTH TO BOTTOM	8 MAX. SAMP. DEPTH (M)	9 No. DEPTH. OBS'D.
YEAR	MONTH	DAY	HOURS G.M.T.	1/10			
8 8	0 5	1 3	1 7	6	3 5 9 0		
19 20	21 22	23 24	25 26	27	28 29 30 31	32 33	34 35

21 UNASSIGNED	22 CRUISE REF. NUMBER	23 CONSEC. NUMBER	24 CARD TYPE	VESSEL
	0 0 1	0 0 7	1	PARIZEAU
68 69 70 71 72 73	74 75 76	77 78 79	80	ENTERED BY / CHECKED BY

SALINITY BOTTLE N°	OXYGEN BOTTLE N°		WIRE LENGTH (m)	LEFT THERMOMETER P/U	LEFT THERMOMETER SERIAL	LEFT THERMOMETER AUX. RDG.	LEFT THERMOMETER MAIN RDG.	MIDDLE THERMOMETER P/U	MIDDLE THERMOMETER SERIAL	MIDDLE THERMOMETER AUX. RDG.	MIDDLE THERMOMETER MAIN RDG.	RIGHT THERMOMETER P/U	RIGHT THERMOMETER SERIAL	RIGHT THERMOMETER AUX. RDG.	RIGHT THERMOMETER MAIN RDG.	OXYGEN ml/l.	SALINITY ‰	CARD TYPE	NOTES
			11 12 13 14	15	16 17 18 19 20	21 22 23 24	25 26 27 28 29	30	31 32 33 34 35	36 37 38 39	40 41 42 43 44	45	46 47 48 49 50	51 52 53 54	55 56 57 58 59	60 61 62 63	64 65 66 67 68	79	80
#1 143	23	1	1000		1390	174	316		5623	178	315		1384	170	1195			1	2
		2				178	316			182	316			173	1195			2	2
#2 144	25	3	1200		1202	175	290		6414	174	291		1215	172	1358			1	2
		4				180	291			178	292			173	1358			2	2
145	26	5	1500		5387	175	262		7635	175	263		6053	174	1680			1	2
		6				180	262			178	264			176	1680			2	2
146	27	7	2000		6073	172	222		6072	172	231		7678	170	2173			1	2
		8				177	223			177	232			173	2173			2	2
147	28	9	2500		6579	173	214		13897	173	198		3749	171	2784			1	2
		10				177	215			177	199			173	2784			2	2
148	29	11	3000		1398	170	185		6077	171	193		7676	167	3118			1	2
		12				175	186			175	193			169	3118			2	2
149	30	13	3500		6578	172	195		12017	172	177		7682	168	3505			1	2
		14				178	196			178	178			172	3506			2	2
150	31	15	3570		5847	173	191		6044	174	189		29359	170	2755			1	2
		16				176	192			178	190			173	2753			2	2
		17																1	2
		18																2	2
		19																1	2
		20																2	2
		21																1	2
		22																2	2
		23																1	2
		24																2	2
		25																1	2
		26																2	2
		27																1	2
		28																2	2
		29																1	2
		30																2	2
		31																1	2
		32																2	2
		33																1	2
		34																2	2

NOTES:
STATION: MR13
CRUISE: 88-01
DATE: 13/5/88
DEPTH: 3590
TIME ZONE: +7
CAST:
WIRE ∠: 10°
START:
DOWN: 1803
MESS: 1803
UP: 1823
IN:
SECCHI:
COLOUR:
B.T.:

20m above bottom

IDENTIFICATION									
YEAR	CAST	WIRE ANGLE			CRUISE		CONSEC.		
8	8	1	1	0	0	1			8
1	2	3	4	5	6	7	8	9	10

1 IDENT. CODE				2 LATITUDE (N=+)					3 LONGITUDE (W=+)					
CNTRY.		INST.		DEG.°		MIN.		1/10	DEG.°			MIN.		1/10
				5	1	1	9	0	1	3	5	1	5	0
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

5 DATE			6 TIME		7 DEPTH TO BOTTOM				8 MAX. SAMP. DEPTH (M)		9 No. DEPTH. OBS'D.		21 UNASSIGNED						22 CRUISE REF. NUMBER			23 CONSEC. NUMBER			24 CARD TYPE
YEAR	MONTH	DAY	HOURS G.M.T.	1/10									M	R	0	9			0	0	1	0	0	8	1
8	0	5	1	4	1	0	4					2	4												
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	68	69	70	71	72	73	74	75	76	77	78	79	80

VESSEL: PARIZEAU

ENTERED BY | CHECKED BY

SALINITY BOTTLE Nº	OXYGEN BOTTLE Nº		WIRE LENGTH (m)	LEFT THERMOMETER P/U	LEFT THERMOMETER SERIAL	LEFT THERMOMETER AUX. RDG.	LEFT THERMOMETER MAIN RDG.	MIDDLE THERMOMETER P/U	MIDDLE THERMOMETER SERIAL	MIDDLE THERMOMETER AUX. RDG.	MIDDLE THERMOMETER MAIN RDG.	RIGHT THERMOMETER P/U	RIGHT THERMOMETER SERIAL	RIGHT THERMOMETER AUX. RDG.	RIGHT THERMOMETER MAIN RDG.	OXYGEN ml./l.	SALINITY ‰	CARD TYPE	NOTES
151	1038	1	0		4990	168	809		3685	167	806							1 2	STATION: R09
		2				173	810			172	809							2 2	CRUISE: 88-01
152	39	3	10		4988	168	810		5636	171	810							1 2	DATE: 14-5-88
		4				172	811			175	811							2 2	DEPTH:
153	40	5	20		3189	169	810		5621	171	810							1 2	TIME ZONE: +7
		6				174	811			176	811							2 2	CAST: 0-1000
154	41	7	30		5641	170	788		11570	171	790							1 2	WIRE ∠: 10°
		8				177	789			176	790							2 2	START: 0245 GMT
155	42	9	50		3132	168	707		9265	170	700							1 2	DOWN 0317 1017
		10				175	709			176	701							2 2	MESS: 0326 1026
156	43	11	75		7633	170	662		11999	167	658							1 2	UP: 0333 1033
		12				177	664			174	659							2 2	IN:
157	44	13	100		6079	168	658		6249	167	652							1 2	SECCHI:
		14				175	659			173	654							2 2	COLOUR:
158	45	15	125		6076	169	665		12074	167	656							1 2	B.T.:
		16				177	666			175	657							2 2	
159	46	17	150		12082	170	632		12077	169	633							1 2	fell 4 11 bottles tries.
		18				177	634			177	634							2 2	
160	47	19	175		3687	169	603		11981	166	603		3297	169	771			1 2	
		20				176	603			172	604			173	771			2 2	
161	48	21	200		6059	166	583		12023	165	583		13800	162	755			1 2	(200m bottle leaks-top vent
		22				174	584			170	584			166	755			2 2	
162	49	23	250		~~12033~~	~~169~~	~~EC~~		12083	167	530		~~13796~~	~~165~~	~~EC~~			1 2	not closed)
		24				~~175~~	~~EC~~			174	531			~~170~~	~~EC~~			2 2	
163	50	25	300		6520	168	493		3721	168	500		6331	167	744			1 2	Added 200m to
		26				175	494			173	500			171	743			2 2	deep cast.
164	51	27	400		13044	169	456		9264	167	454		5825	165	870			1 2	
		28				175	454			172	453			170	870			2 2	
165	52	29	500		6546	170	435		12015	169	431		11504	162	864			1 2	
		30				180	437			173	432			169	867			2 2	
166	53	31	600		6071	169	412		5384	170	410		13792	165	921			1 2	
		32				174	413			176	411			170	922			2 2	
167	54	33	800		6078	171	372		6543	170	369		6161	165	1450			1 2	
		34				180	373			176	370			170	1451			2 2	

IDENTIFICATION									
YEAR	CAST	WIRE ANGLE			CRUISE		CONSEC.		
88					01				8
1	2	3	4	5	6	7	8	9	10

1 IDENT. CODE				2 LATITUDE (N=+)					3 LONGITUDE (W=+)						5 DATE			6 TIME		7 DEPTH TO BOTTOM				8 MAX. SAMP. DEPTH (M)		9 No. DEPTH. OBS'D.		21 UNASSIGNED						22 CRUISE REF. NUMBER			23 CONSEC. NUMBER			24 CARD TYPE	VESSEL	
CNTRY.		INST.		DEG.°		MIN.		1/10	DEG.°			MIN.		1/10	YEAR		MONTH	DAY		HOURS G.M.T.	1/10																				PARIZEAU	
															88		05	14											MR	09				001			008		1	ENTERED BY J.W.	CHECKED BY B.M.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	19	20	21	22	23	24	25	26	27	28	29	30	31	32	68	69	70	71	72	73	74	75	76	77	78	79	80	

MR 09

SALINITY BOTTLE Nº	OXYGEN BOTTLE Nº		WIRE LENGTH (m)	LEFT THERMOMETER P/U	LEFT THERMOMETER SERIAL	LEFT THERMOMETER AUX. RDG.	LEFT THERMOMETER MAIN RDG.	MIDDLE THERMOMETER P/U	MIDDLE THERMOMETER SERIAL	MIDDLE THERMOMETER AUX. RDG.	MIDDLE THERMOMETER MAIN RDG.	RIGHT THERMOMETER P/U	RIGHT THERMOMETER SERIAL	RIGHT THERMOMETER AUX. RDG.	RIGHT THERMOMETER MAIN RDG.	OXYGEN ml./l.	SALINITY ‰	CARD TYPE	NOTES
#1 168	55	1	1000		13900	169	328		5623	172	329		13784	163	1190			1 2	STATION: R09
		2				170	330			180	330			168	1192			2 2	CRUISE: 88-01
#2 169	56	3	1200		12020	169	300		6414	167	300		12151	163	1351			1 2	DATE: 14-5-88
		4	1202			176	302			173	301			169	1353			2 2	DEPTH: 3430 - Sounder
170	57	5	1500		53877	168	262		7635	165	265		6053	164	1662			1 2	TIME ZONE: +7
		6				177	264			174	265			170	1661			2 2	CAST: 1000-3
DUP. 171	58	7	2000		60773	166	225		6072	165	232		7678	162	2150			1 2	WIRE ∠: 10°
	59	8	2004			174	225			172	234			167	2150			2 2	START: 0349 1049
02 172	60	9	2500		65779	164	214		13897	165	199		3749	162	2758			1 2	DOWN: 0431 1131
	61	10	2505			174	216			173	200			168	2759			2 2	MESS: 0437 1137
173	62	11	3000		13898	163	185		6077	165	193		7676	158	3094			1 2	UP: 0500 1200
	63	12	3005			170	186			171	194			164	3097			2 2	IN: 0526
174	64	13	3400		65778	166	197		12017	167	179		7682	161	3401			1 2	SECCHI:
	65	14	3406			174	199			175	180			166	3402			2 2	COLOUR:
		15																1 2	B.T.:
		16																2 2	
		17																1 2	
		18																2 2	1157
		19																1 2	
		20																2 2	
		21																1 2	
		22																2 2	
		23																1 2	
		24																2 2	
		25																1 2	
		26																2 2	
		27																1 2	
		28																2 2	
		29																1 2	
		30																2 2	
		31																1 2	
		32																2 2	
		33																1 2	
		34																2 2	

IDENTIFICATION									
YEAR		CAST	WIRE ANGLE		CRUISE		CONSEC.		
8	8	1	0	3	0	1	0	0	9
1	2	3	4	5	6	7	8	9	10

1 IDENT. CODE				2 LATITUDE (N=+)					3 LONGITUDE (W=+)					
CNTRY.		INST.		DEG.°		MIN.		1/10	DEG.°		MIN.		1/10	
				5	1	4	3	5	1	3	1	5	0	0
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

5 DATE						6 TIME			7 DEPTH TO BOTTOM				8 MAX. SAMP. DEPTH (M)		9 No. DEPTH. OBS'D.	
YEAR		MONTH		DAY		HOURS G.M.T.		1/10								
8	8	0	5	1	5	0	9	8	2	2	0	0			2	1
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35

21 UNASSIGNED						22 CRUISE REF. NUMBER			23 CONSEC. NUMBER			24 CARD TYPE	VESSEL	
M	J	0	3				0	1	0	0	9	1	ENTERED BY	CHECKED BY
68	69	70	71	72	73	74	75	76	77	78	79	80		

PARIZEAU

J03

NUTRIENT	SALINITY BOTTLE No	OXYGEN BOTTLE No		WIRE LENGTH (m)	LEFT THERMOMETER P/U	LEFT THERMOMETER SERIAL	LEFT THERMOMETER AUX. RDG.	LEFT THERMOMETER MAIN RDG.	MIDDLE THERMOMETER P/U	MIDDLE THERMOMETER SERIAL	MIDDLE THERMOMETER AUX. RDG.	MIDDLE THERMOMETER MAIN RDG.	RIGHT THERMOMETER P/U	RIGHT THERMOMETER SERIAL	RIGHT THERMOMETER AUX. RDG.	RIGHT THERMOMETER MAIN RDG.	OXYGEN ml./l.	SALINITY ‰	CARD TYPE	NOTES
				11 12 13 14	15 16	17 18 19 20	21 22 23 24	25 26 27 28 29	30 31	32 33 34 35	36 37 38 39	40 41 42 43 44	45 46	47 48 49 50	51 52 53 54	55 56 57 58 59	60 61 62 63	64 65 66 67 68	79 80	
125	175	697	1	0		4990	175	895		3685	173	892							1 2	STATION: J03
			2				177	894			175	892							2 2	CRUISE: 88-01
126	176	698	3	10		4988	173	894		5636	177	895							1 2	DATE: 15-5-88
			4				177	894			179	895							2 2	DEPTH: 2000
127	177	699	5	20		3189	173	886		5621	177	887							1 2	TIME ZONE: +7
			6				176	886			179	886							2 2	CAST: 2000
128	178	700	7	30		5641	176	900		11570	177	900							1 2	WIRE ∠: 3°
			8				179	900			179	900							2 2	START: 0200
129	179	701	9	50		3132	176	816		9265	176	810							1 2	DOWN: 0237 Loc.
			10				178	817			178	810							2 2	MESS: 0246
130	180	702	11	75		7633	176	779		11999	174	776							1 2	UP: 0258
			12				179	780			176	776							2 2	IN:
131	181	705	13	100		6079	175	758		6249	173	753							1 2	SECCHI:
			14				177	759			175	754							2 2	COLOUR:
132	182	706	15	125		6076	175	718		12074	174	710							1 2	B.T.:
			16				178	719			177	710							2 2	1200 m Herons sideways
133	183	707	17	150		1208 2	175	709		12077	174	710							1 2	
			18				178	710			177	710							2 2	
134	184	708	19	175		3687	175	681		11981	173	681		3297	176	850			1 2	
			20				178	681			176	681			179	851			2 2	
135	185	709	21	200		6059	174	639		12023	173	638		13800	171	816			1 2	
			22				178	640			175	639			174	816			2 2	
136	186	712	23	250		~~7203~~	~~175~~	—		12083	174	595		6568	174	854			1 2	
			24								177	595			176	856			2 2	
137	187	713	25	300		6520	174	558		3721	174	500		6331	173	813			1 2	
			26				177	560			177	501			176	813			2 2	
138	188	714	27	400		13044	175	510		9264	172	510		5825	171	930			1 2	
			28				178	511			175	510			174	932			2 2	
139	189	715	29	500		6546	172	482		12015	170	479		11504	167	915			1 2	
			30				176	483			174	479			170	915			2 2	
140	190	716	31	600		6071	172	450		5384	174	448		13792	171	963			1 2	
			32				175	450			177	449			174	964			2 2	
141	191	717	33	800		6078	176	402		6543	176	398		6161	174	1486			1 2	
			34				178	404			178	400			175	1485			2 2	

IDENTIFICATION									
YEAR		CAST	WIRE ANGLE		CRUISE		CONSEC.		
8	8	1			0	1	0	0	9
1	2	3	4	5	6	7	8	9	10

1 IDENT. CODE				2 LATITUDE (N=+)					3 LONGITUDE (W=+)					
CNTRY.		INST.		DEG.°		MIN.		1/10	DEG.°			MIN.		1/10
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

5 DATE						6 TIME			7 DEPTH TO BOTTOM				8 MAX. SAMP. DEPTH (M)		9 No. DEPTH. OBS'D.	
YEAR		MONTH		DAY		HOURS G.M.T.		1/10								
8	8	0	5	1	5	0	7		2	2	0	0			2	1
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35

21 UNASSIGNED						22 CRUISE REF. NUMBER			23 CONSEC. NUMBER			24 CARD TYPE	VESSEL	
									0	0	9	1	PARIZEAU	
68	69	70	71	72	73	74	75	76	77	78	79	80	ENTERED BY	CHECKED BY

J03

	SALINITY BOTTLE Nº	OXYGEN BOTTLE Nº		WIRE LENGTH (m)				LEFT THERMOMETER										MIDDLE THERMOMETER										RIGHT THERMOMETER										OXYGEN ml/l.				SALINITY ‰					CARD TYPE		NOTES
								P/U	SERIAL					AUX. RDG.				MAIN RDG.					P/U	SERIAL				AUX. RDG.					MAIN RDG.																	
				11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	79	80	
142	192	718	1	1	0	0	0		1	3	9	0	0	/	1	7	4		3	5	0				5	6	2	3	/	1	7	7		3	4	9				1	3	7	8	4	/	1	7	2	1	2	1	4										1	2	STATION: J03
			2											/	1	7	6		3	5	0								/	1	8	0		3	5	0									/	1	7	3	1	2	1	5											2	2	CRUISE: 88-01
143	193	720	3	1	2	0	0		1	2	0	2	0	/	1	7	5		3	0	8				6	4	1	4	/	1	7	5		3	0	9				1	2	1	5	1	/	1	7	3	1	3	6	7										1	2	DATE: 15-5-88
			4											/	1	7	7		3	0	8								/	1	7	7		3	0	9									/	1	7	4	1	3	6	6											2	2	DEPTH: 2000
144	194	723	5	1	5	0	0			5	3	8	7	/	1	7	7		2	6	6				7	6	3	5	/	1	7	5		2	6	7				6	0	5	3		/	1	7	3	1	6	7	4										1	2	TIME ZONE: +7
			6											/	1	7	9		2	6	5								/	1	7	7		2	6	9									/	1	7	5	1	6	7	5											2	2	CAST: 2000M
145	195	724	7	2	0	0	0			6	0	7	3	/	1	7	4		2	1	6				6	0	7	2	/	1	7	3		2	2	5				7	6	7	8		/	1	7	3	2	1	6	0										1	2	WIRE L: 30
			8											/	1	7	6		2	1	7								/	1	7	6		2	2	5									/	1	7	4	2	1	6	0											2	2	START: 0200
			9											/															/																/																		1	2	DOWN: 0237
			10											/															/																/																		2	2	MESS: 0246
			11											/															/																/																		1	2	UP:
			12											/															/																/																		2	2	IN:
			13											/															/																/																		1	2	SECCHI:
			14											/															/																/																		2	2	COLOUR:
			15											/															/																/																		1	2	B.T.:
			16											/															/																/																		2	2	
			17											/															/																/																		1	2	
			18											/															/																/																		2	2	
			19											/															/																/																		1	2	
			20											/															/																/																		2	2	
			21											/															/																/																		1	2	
			22											/															/																/																		2	2	
			23											/															/																/																		1	2	
			24											/															/																/																		2	2	
			25											/															/																/																		1	2	
			26											/															/																/																		2	2	
			27											/															/																/																		1	2	
			28											/															/																/																		2	2	
			29											/															/																/																		1	2	
			30											/															/																/																		2	2	
			31											/															/																/																		1	2	
			32											/															/																/																		2	2	
			33											/															/																/																		1	2	
			34											/															/																/																		2	2	

IDENTIFICATION										1 IDENT. CODE				2 LATITUDE (N=+)					3 LONGITUDE (W=+)					5 DATE			6 TIME		7 DEPTH TO BOTTOM		8 MAX. SAMP. DEPTH (M)	9 No. DEPTH. OBS'D.	21 UNASSIGNED					22 CRUISE REF. NUMBER			23 CONSEC. NUMBER			24 CARD TYPE	VESSEL
YEAR		CAST	WIRE ANGLE		CRUISE		CONSEC.			CNTRY.		INST.		DEG.°		MIN.		1/10	DEG.°		MIN.		1/10	YEAR		MONTH	DAY	HOURS G.M.T.	1/10																PARIZEAU
8	8	1	0	6	0	1	0	1	0					4	9	0	2	0	1	2	7	1	5	2	8	0	5	1	7	2	1	4	1	5	6	0			2	0	M	B	0	3			0	0	1		1	0	1	ENTERED BY	CHECKED BY
1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	68	69	70	71	72	73	74	75	76	77	78	79	80		

MB 03

	SALINITY BOTTLE Nº	OXYGEN BOTTLE Nº		WIRE LENGTH (m)	LEFT THERMOMETER P/U	LEFT THERMOMETER SERIAL	LEFT THERMOMETER AUX. RDG.	LEFT THERMOMETER MAIN RDG.	MIDDLE THERMOMETER P/U	MIDDLE THERMOMETER SERIAL	MIDDLE THERMOMETER AUX. RDG.	MIDDLE THERMOMETER MAIN RDG.	RIGHT THERMOMETER P/U	RIGHT THERMOMETER SERIAL	RIGHT THERMOMETER AUX. RDG.	RIGHT THERMOMETER MAIN RDG.	OXYGEN ml./l.	SALINITY ‰	CARD TYPE	NOTES
				11 12 13 14	15 16	17 18 19 20	21 22 23 24	25 26 27 28 29	30	31 32 33 34 35	36 37 38 39	40 41 42 43 44	45	46 47 48 49 50	51 52 53 54	55 56 57 58 59	60 61 62 63	64 65 66 67 68	79	80
146	196	1001	1	0	/	4990	/ 180	984	/	3685	/ 179	983			/				1	2
			2				/ 183	986			/ 182	984			/				2	2
147	197	1002	3	10	/	4988	/ 178	984	/	5636	/ 180	984			/				1	2
			4				/ 180	985			/ 184	985			/				2	2
148	198	1003	5	20	/	3189	/ 177	983	/	5621	/ 180	983			/				1	2
			6				/ 180	984			/ 183	984			/				2	2
149	199	1004	7	30	/	5641	/ 179	978	/	11570	/ 180	980			/				1	2
			8				/ 183	980			/ 184	981			/				2	2
150	200	1005	9	50	/	3132	/ 178	869	/	9265	/ 179	863			/				1	2
			10				/ 182	870			/ 184	864			/				2	2
	201	1008	11	75	/	7633	/ 178	821	/	11999	/ 174	817			/				1	2
			12				/ 181	821			/ 178	818			/				2	2
	202	1009	13	100	/	6079	/ 175	803	/	6249	/ 173	797			/				1	2
			14				/ 179	804			/ 177	799			/				2	2
	203	1010	15	125	/	6076	/ 178	780	/	12074	/ 177	773			/				1	2
			16				/ 182	781			/ 180	773			/				2	2
	204	1011	17	150	/	12082	/ 178	752	/	12077	/ 178	753			/				1	2
			18				/ 182	753			/ 182	754			/				2	2
155	205	1012	19	175	/	3687	/ 178	710	/	11981	/ 176	709	/	3297	/ 178	878			1	2
			20				/ 183	711			/ 180	710			/ 180	878			2	2
	206	1014	21	200	/	6059	/ 177	685	/	12023	/ 176	685	/	13800	/ 172	861			1	2
			22				/ 181	686			/ 179	686			/ 173	861			2	2
	207	1016	23	250	/	13363	/ 178	643	/	12083	/ 176	643	/	6568	/ 175	905			1	2
			24				/ 183	645			/ 180	644			/ 178	903			2	2
	208	1017	25	300	/	6520	/ 177	608	/	3721	/ 177	614	/	6331	/ 175	862			1	2
			26				/ 182	608			/ 182	615			/ 178	860			2	2
	209	1018	27	400	/	13044	/ 177	542	/	9264	/ 174	541	/	5825	/ 173	962			1	2
			28				/ 182	543			/ 179	542			/ 177	962			2	2
160	210	1019	29	500	/	6546	/ 175	495	/	12015	/ 173	492	/	11504	/ 167	928			1	2
			30				/ 180	495			/ 178	493			/ 170	930			2	2
	211	1020	31	600	/	6071	/ 175	463	/	5384	/ 176	460	/	13792	/ 172	975			1	2
			32				/ 180	462			/ 180	462			/ 174	976			2	2
	212	1022	33	800		6078	/ 178	410	/	6543	/ 176	407	/	6161	/ 173	1493			1	2
			34				/ 183	410			/ 180	407			/ 176	1495			2	2

NUTRIENTS

STATION: B 3
CRUISE: 89-01
DATE: 17 MAY 89
DEPTH: 1560
TIME ZONE: +7
CAST: 1506
WIRE ∠: 60°
START: 2045
DOWN: 2118
MESS: 2125
UP:
IN:
SECCHI:
COLOUR:
B.T.:

IDENTIFICATION									
YEAR		CAST	WIRE ANGLE		CRUISE		CONSEC.		
8	8	1			0	1	0	1	0
1	2	3	4	5	6	7	8	9	10

1 IDENT. CODE				2 LATITUDE (N=+)					3 LONGITUDE (W=+)					
CNTRY.		INST.		DEG.°		MIN.		1/10	DEG.°		MIN.		1/10	
				4	9	0	2	0	1	2	7	1	5	2
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

5 DATE						6 TIME			7 DEPTH TO BOTTOM				8 MAX. SAMP. DEPTH (M)		9 No. DEPTH. OBS'D.	
YEAR		MONTH		DAY		HOURS G.M.T.		1/10								
8	8	0	5	1	7	1	3	7	1	5	6	0			2	0
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35

21 UNASSIGNED						22 CRUISE REF. NUMBER			23 CONSEC. NUMBER			24 CARD TYPE	VESSEL
M	8	0	3			0	0	1	0	1	0	1	PARIZEAU
68	69	70	71	72	73	74	75	76	77	78	79	80	ENTERED BY / CHECKED BY

B 03

	SALINITY BOTTLE N°	OXYGEN BOTTLE N°		WIRE LENGTH (m)				LEFT THERMOMETER														MIDDLE THERMOMETER												RIGHT THERMOMETER												OXYGEN ml/l.				SALINITY ‰				CARD TYPE		NOTES
								P/U	SERIAL					AUX. RDG.			MAIN RDG.					P/U	SERIAL					AUX. RDG.						P/U	SERIAL					AUX. RDG.																			
				11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	79	80	
163	213	1023	1	1	0	0	0	–	1	3	9	0	0	/	1	7	7		3	7	0		–		5	6	2	3	/	1	8	0		3	7	0		–	1	3	7	8	4	/	1	7	2	1	2	3	2											1	2	STATION:
			2											/	1	8	2		3	7	1								/	1	8	4		3	7	0								/	1	7	3	1	2	3	3											2	2	CRUISE:
	214	1025	3	1	2	0	0	–	1	2	0	2	0	/	1	7	7		3	2	8		–		6	4	1	4	/	1	7	6		3	2	9			1	2	1	5	1	/	1	7	2	1	3	8	7											1	2	DATE:
			4											/	1	8	2		3	3	0								/	1	7	9		3	3	0								/	1	7	5	1	3	8	7											2	2	DEPTH:
165	215	1026	5	1	5	0	0	–	5	3	8	7		/	1	7	9		2	8	0		–		7	6	3	5	/	1	7	8		2	8	2		–		6	0	5	3	/	1	7	5	1	6	8	5											1	2	TIME ZONE:
			6											/	1	8	3		2	8	0								/	1	8	0		2	8	1								/	1	7	7	1	6	8	5											2	2	CAST:
			7											/															/															/																		1	2	WIRE ∠:
			8											/															/															/																		2	2	START:
			9											/															/															/																		1	2	DOWN:
			10											/															/															/																		2	2	MESS:
			11											/															/															/																		1	2	UP:
			12											/															/															/																		2	2	IN:
			13											/															/															/																		1	2	SECCHI:
			14											/															/															/																		2	2	COLOUR:
			15											/															/															/																		1	2	B.T.:
			16											/															/															/																		2	2	
			17											/															/															/																		1	2	
			18											/															/															/																		2	2	
			19											/															/															/																		1	2	
			20											/															/															/																		2	2	
			21											/															/															/																		1	2	
			22											/															/															/																		2	2	
			23											/															/															/																		1	2	
			24											/															/															/																		2	2	
			25											/															/															/																		1	2	
			26											/															/															/																		2	2	
			27											/															/															/																		1	2	
			28											/															/															/																		2	2	
			29											/															/															/																		1	2	
			30											/															/															/																		2	2	
			31											/															/															/																		1	2	
			32											/															/															/																		2	2	
			33											/															/															/																		1	2	
			34											/															/															/																		2	2	

IDENTIFICATION									
YEAR		CAST	WIRE ANGLE		CRUISE		CONSEC.		
8	8	1			0	1	9	8	1
1	2	3	4	5	6	7	8	9	10

1 IDENT. CODE				2 LATITUDE (N=+)					3 LONGITUDE (W=+)					
CNTRY.		INST.		DEG.°		MIN.		1/10	DEG.°		MIN.			1/10
				4	8	3	0	1	1	2	6	5	2	4
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

5 DATE						6 TIME			7 DEPTH TO BOTTOM				8 MAX. SAMP. DEPTH (M)		9 No. DEPTH. OBS'D.	
YEAR		MONTH		DAY		HOURS G.M.T.		1/10								
8	8	0	5	1	8	1	4	9							0	1
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35

21 UNASSIGNED						22 CRUISE REF. NUMBER			23 CONSEC. NUMBER			24 CARD TYPE	VESSEL	
M	A	0	4				0	1	9	8	1	1	ENTERED BY	CHECKED BY
68	69	70	71	72	73	74	75	76	77	78	79	80		

SALINITY BOTTLE Nº	OXYGEN BOTTLE Nº		WIRE LENGTH (m)				LEFT THERMOMETER														MIDDLE THERMOMETER												RIGHT THERMOMETER												OXYGEN ml./l.				SALINITY ‰					CARD TYPE		NOTES
							P/U	SERIAL					AUX. RDG.				MAIN RDG.				P/U	SERIAL					AUX. RDG.				MAIN RDG.				P/U	SERIAL					AUX. RDG.				MAIN RDG.							
			11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	79	80	
216		1	2	0	0	0		1	3	7	2	7		1	9	8		2	2	3				6	5	2	1		1	9	9		2	2	8			1	3	7	8	5		1	9	8	1	9	7	8											1	2	STATION:
		2												1	9	9		2	2	3									2	0	0		2	2	8									1	9	8	1	9	7	8											2	2	CRUISE:
		3																																																									1	2	DATE:
		4																																																									2	2	DEPTH:
		5																																																									1	2	TIME ZONE:
		6																																																									2	2	CAST:
		7																																																									1	2	WIRE ∠:
		8																																																									2	2	START:
		9																																																									1	2	DOWN:
		10																																																									2	2	MESS:
		11																																																									1	2	UP:
		12																																																									2	2	IN:
		13																																																									1	2	SECCHI:
		14																																																									2	2	COLOUR:
		15																																																									1	2	B.T.:
		16																																																									2	2	
		17																																																									1	2	
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		34																																																									2	2	