IDENTIFICATION									
YEAR		CA-ST	WIRE ANGLE		CRUISE			CONSEC.	
8	9	1		0	0	3			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
				4	8	3	9	1	1	2	6	4	0	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	9	1 0	0 4	1 8	5	1 3	4 3			1 9
19	20	21	22 23	24	25	26	27	28 29	30 31	32

21 UNASSIGNED	22 CRUISE REF. NUMBER	23 CONSEC. NUMBER	24 CARD TYPE	VESSEL
M P 0 4 8 9	0 0 3	0 0 5	1	PARIZEAU
68 69 70 71 72 73	74 75 76	77 78 79	80	

ENTERED BY	CHECKED BY
Ray	JC

MP04

SALINITY BOTTLE N°	OXYGEN BOTTLE N°		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	
1	1001	1	0		5 6 2 1	2 1 7	1 5 1 5		7 6 4 1	2 1 7	1 5 1 4							1 2	STATION: MP4
		2				2 2 0	1 5 1 6			2 1 9	1 5 1 5							2 2	CRUISE: 8903
2	1003	3	1 0		5 6 3 6	2 1 9	1 5 1 2		7 6 3 3	2 1 8	1 5 1 4							1 2	DATE: 89/10/4
		4				2 2 0	1 5 1 2			2 1 9	1 5 1 4							2 2	DEPTH:
3	1004	5	2 0		5 3 8 4	2 1 7	1 4 7 0		1 3 1 6 6	2 1 7	1 4 7 4							1 2	TIME ZONE: UTC
		6				2 1 9	1 4 7 0			2 1 9	1 4 7 3							2 2	CAST:
4	1005	7	3 0		9 2 6 4	2 1 6	1 0 0 4		1 4 0 3 3	2 1 4	1 0 1 1							1 2	WIRE ∠: 0
		8				2 1 8	1 0 0 9			2 1 6	1 0 1 2							2 2	START: 1745
5	1008	9	5 0		3 1 3 7	2 1 3	7 9 1		7 6 4 5	2 1 4	7 9 0							1 2	DOWN: 1820
		10				2 1 6	7 9 1			2 1 6	7 9 0							2 2	MESS: 1827
6	1009	11	7 5		1 1 6 4 1	2 1 7	7 4 0		3 1 8 9	2 1 7	7 4 1							1 2	UP: 1835
		12				2 1 8	7 4 0			2 1 7	7 4 2							2 2	IN: 1857
7	1010	13	1 0 0		7 7 4 6	2 1 5	8 3 5		7 6 2 5	2 1 6	8 4 0							1 2	SECCHI:
		14				2 1 7	8 3 5			2 1 8	8 4 1							2 2	COLOUR:
8	1011	15	1 2 5		1 4 0 3 7	2 1 6	8 1 0		7 6 3 8	2 1 7	8 1 5							1 2	B.T.:
		16				2 1 8	8 1 0			2 1 9	8 1 5							2 2	
9	1014	17	1 5 0		1 0 3 0 8	2 1 6	7 8 0		6 0 7 4	2 1 5	7 8 7		1 2 1 4 7	2 1 2	9 2 0			1 2	
		18				2 1 7	7 8 1			2 1 7	7 8 8			2 1 4	9 1 9			2 2	
10	1016	19	1 7 5		1 5 5 5 5	2 1 5	7 5 5		7 6 4 2	2 1 5	7 5 5		6 1 6 1	2 1 2	1 0 0 0			1 2	
		20				2 1 7	7 5 6			2 1 6	7 5 5			2 1 4	1 0 0 0			2 2	
11	1017	21	2 0 0		6 2 4 9	2 1 5	7 4 2		6 0 7 1	2 1 4	7 4 2		1 2 2 7 0	2 1 2	9 1 5			1 2	
		22				2 1 5	7 4 2			2 1 6	7 4 2			2 1 3	9 1 6			2 2	
12	1018	23	2 5 0		1 0 3 0 7	2 1 4	6 9 9		7 6 3 6	2 1 5	7 1 0		1 3 7 9 1	2 1 2	9 2 2			1 2	
		24				2 1 6	6 9 9			2 1 7	7 1 0			2 1 4	9 2 3			2 2	
13	1020	25	3 0 0		1 3 9 0 0	2 1 2	6 7 0		7 6 3 0	2 1 5	6 7 2		1 2 4 0 2	2 1 4	9 2 5			1 2	
		26				2 1 4	6 7 0			2 1 6	6 7 3			2 1 4	9 2 5			2 2	
14	1022	27	4 0 0		8 8 9 1	2 1 2	6 0 1		1 2 0 8 2	2 1 0	6 0 6		6 0 5 3	2 1 2	9 9 0			1 2	
		28				2 1 3	6 0 1			2 1 1	6 0 6			2 1 4	9 8 8			2 2	
15	1023	29	5 0 0		1 1 5 2 5	2 1 2	5 3 8		6 5 2 1	2 1 2	5 4 5		6 3 3 1	2 1 3	9 6 0			1 2	
		30				2 1 3	5 3 9			2 1 4	5 4 4			2 1 4	9 6 0			2 2	
16	1025	31	6 0 0		1 2 0 7 4	2 1 4	4 9 1		6 0 5 9	2 1 5	4 9 5		5 8 2 5	2 1 4	1 1 2 1			1 2	
		32				2 1 5	4 9 1			2 1 5	4 9 5			2 1 5	1 1 2 3			2 2	
17	1026	33	8 0 0		1 2 0 7 8	2 1 4	4 3 1		6 0 7 7	2 1 3	4 3 4		1 2 1 4 9	2 1 1	1 1 0 5			1 2	
		34				2 1 4	4 3 1			2 1 3	4 3 4			2 1 2	1 1 0 3			2 2	

IDENTIFICATION									
YEAR		CAST	WIRE ANGLE		CRUISE		CONSEC.		
8	9	1			0	3			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								
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

MP04

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	
18	1027	1	1000		13897	214	386		6520	215	385		12151	210	1280			1	2	STATION: MP04
		2				215	386			216	386			212	1279			2	2	CRUISE: 9903
19	1028	3	1200		13054	214	343		6545	215	346		13800	208	1400			1	2	DATE: 89/10/4
		4				214	342			213	347			208	1400			2	2	DEPTH:
		5																1	2	TIME ZONE: UTC
		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	
		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	9	1	0	5	0	3			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
				4	8	4	4	6	1	2	7	3	9	7
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 9	1 0	0 5	0 5	6	2 5	7 0			2	2
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 6 8 9	0 0 3	0 0 8	1	Parazen
68 69 70 71 72 73	74 75 76	77 78 79	80	ENTERED BY / CHECKED BY

MP06

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
20	1092	1	0		5621	1998	14.08		7641	1998	14.06							1 2	STATION: MP6
		2				2000	14.09			2000	14.07							2 2	CRUISE: 8903
21	93	3	10		5636	1999	13.66		7633	1977	13.66							1 2	DATE: 89/10/5
		4				2001	13.66			1999	13.67							2 2	DEPTH:
22	95	5	20		5384	1998	12.88		13166	1998	12.93							1 2	TIME ZONE: GMT
		6				2000	12.89			2000	12.93							2 2	CAST:
23	96	7	30		9264	1997	11.13		14033	1994	11.19							1 2	WIRE ∠: 5°
		8				2000	11.13			1997	11.19							2 2	START: 0430
24	97	9	50		3137	1993	8.06		7645	1995	8.07							1 2	DOWN: 0525
		10				1995	8.06			1998	8.08							2 2	MESS: 0534
25	99	11	75		11641	1997	7.98		3189	1998	8.01							1 2	UP: 0548
		12				2000	7.98			1999	8.01							2 2	IN: 0623
26	2000	13	100		7746	1995	7.88		7625	1995	7.92							1 2	SECCHI:
		14				1997	7.88			1998	7.94							2 2	COLOUR:
27	1	15	125		14037	1994	7.54		7638	1996	7.60							1 2	B.T.:
		16				1997	7.55			1998	7.61							2 2	
28	2	17	150		10308	1993	7.13		6074	1994	7.20		12147	1887	8.50			1 2	
		18				1997	7.14			1997	7.20			1893	8.50			2 2	
29	4	19	175		15555	1994	6.97		7642	1993	6.97		6161	1890	9.40			1 2	
		20				1997	6.98			1996	6.98			1894	9.40			2 2	
30	5	21	200		6249	1992	6.73		6071	1992	6.73		12270	1890	8.46			1 2	
		22				1995	6.73			1995	6.74			1893	8.45			2 2	
31	6	23	250		10307	1993	6.25		7636	1993	6.35		13791	1888	8.50			1 2	
		24				1996	6.26			1997	6.35			1892	8.50			2 2	
32	7	25	300		13900	1888	6.17		7630	1991	6.20		12402	1888	8.72			1 2	
		26				1992	6.17			1994	6.20			1892	8.72			2 2	
33	8	27	400		8891	1887	5.53		12082	1886	5.57		6053	1891	9.35			1 2	
		28				1891	5.53			1889	5.58			1894	9.35			2 2	
34	9	29	500		11525	1892	5.09		6521	1890	5.14		6331	1890	9.27			1 2	
		30				1895	5.09			1893	5.14			1893	9.28			2 2	
35	10	31	600		12074	1892	4.73		6059	1893	4.77		5825	1892	11.04			1 2	
		32				1895	4.73			1895	4.78			1895	11.05			2 2	
36	12	33	800		12078	1890	4.26		6077	1890	4.29		12149	1886	11.00			1 2	
		34				1893	4.27			1893	4.30			1890	11.00			2 2	

IDENTIFICATION									
YEAR		CAST	WIRE ANGLE		CRUISE			CONSEC.	
8	9	1	0	5	0	3	0	0	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	TO BOTTOM				MAX. SAMP. DEPTH (M)		No. DEPTH. OBS'D.														1	Parizeau
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	ENTERED BY	CHECKED BY

MP06

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
37	20/3	1	1000		13897	194	378		6520	193	378		12151	188	1270			1	2	STATION: MP6
		2				197	379			196	378			192	1270			2	2	CRUISE: 8903
38	14	3	1200		13054	193	334		6545	191	339		13800	183	1386			1	2	DATE: 89/10/5
		4				197	335			194	340			187	1387			2	2	DEPTH:
39	15	5	1500	✓	12077	192	283	✓	6073	192	281	✓	13785	185	1575			1	2	TIME ZONE: GMT
		6				194	283			195	282			190	1576			2	2	CAST:
40	17	7	2000	✓	6543	192	228	✓	10310	189	220	✓	7678	185	2136			1	2	WIRE ∠:
		8				193	228			192	220			188	2136			2	2	START:
41	18	9	2500	✓	10306	187	208	✓	6072	188	218	✓	6554	188	2585			1	2	DOWN:
		10				191	208			192	218			193	2585			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	

MP16

IDENTIFICATION									
YEAR		CA-ST	WIRE ANGLE		CRUISE		CONSEC.		
8	9	1			0	3		1	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
				4	9	1	7	0	1	3	4	3	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	9	1	0	0	3	5	5	0	2	4
19	20	21	22	23	24	25	26	27	28	29

21 UNASSIGNED						22 CRUISE REF. NUMBER			23 CONSEC. NUMBER			24 CARD TYPE	VESSEL
M	P	1	6	8	9	0	0	3		1	9	1	PARIZEAU
30	31	32	33	34	35	36	37	38	39	40	41	42	ENTERED BY RB / CHECKED BY LS

MP16

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
42	2057	1	0		5621	212	1548		7641	211	1547							1	2
		2				214	1549			215	1547							2	2
43	58	3	10		5636	210	1544		7633	209	1544							1	2
		4				214	1545			213	1545							2	2
44	59	5	20		5384	209	1541 ✓		13166	209	1547 ✓							1	2
		6				213	1542			214	1548							2	2
45	60	7	30		9264	209	1544		14033	207	1550							1	2
		8				213	1545			212	1550							2	2
46	61	9	50		3137	206	900		7645	209	900							1	2
		10				209	901			212	900							2	2
47	62	11	75		11641	208	657		3189	208	660							1	2
		12				211	658			211	661							2	2
48	63	13	100		7746	208	604 ✓		7625	210	612 ✓							1	2
		14				212	604			213	612							2	2
49	64	15	125		14037	209	601		7638	211	609							1	2
		16				213	602			214	609							2	2
50	65	17	150		10308	206	614		6074	206	621		12147	203	750			1	2
		18				210	614			210	622			207	752			2	2
51	66	19	175		15555	208	642		7642	207	643		6161	205	882			1	2
		20				211	643			210	644			208	884			2	2
52	67	21	200		6249	206	634		6071	207	635		12270	204	807			1	2
		22				209	635			210	635			208	808			2	2
53	68	23	250		10307	207	581		7636	208	591		13791	203	801			1	2
		24				210	581			212	592			206	803			2	2
54	69	25	300		13900	204	538		7630	207	542		12402	205	791			1	2
		26				207	539			210	541			207	793			2	2
55	70	27	400		8891	203	470		12082	202	474		6053	204	852			1	2
		28	394			206	470			204	475			206	852			2	2
56	71	29	500		11525	205	446		6521	206	450		6331	206	866			1	2
		30				208	447			209	451			209	866			2	2
57	72	31	600		12074	206	416		6059	208	422		5825	206	1042			1	2
		32	595			210	417			210	422			209	1043			2	2
58	73	33	800		12078	206	376		6077	206	379		12149	204	1048			1	2
		34	799			209	377			209	380			207	1048			2	2

NOTES:
STATION: MP16
CRUISE: 8903
DATE: 89/10/7
DEPTH:
TIME ZONE: UTC
CAST:
WIRE ∠:
START:
DOWN: 0332
MESS: 0340
UP: 0350
IN:
SECCHI:
COLOUR:
B.T.:

IDENTIFICATION									
YEAR		CAST	WIRE ANGLE		CRUISE		CONSEC.		
8	9	2			0	3		1	9
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	PARIZEAU
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	ENTERED BY RB	CHECKED BY LS

MP16

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
59	2074	1	1000		13897	208	338		6520	209	338		12151	204	1221			1	2	STATION: MP16
		2	998			212	339		6520	212	339			208	1223			2	2	CRUISE: 8903
60	75	3	1200		13054	208	305		6545	206	311		13800	198	1351			1	2	DATE: 89/10/7
		4				212	306			210	311			203	1353			2	2	DEPTH: 3550
#2 61	76	5	1500		12077	205	269		6073	205	267		13785	198	1562			1	2	TIME ZONE: UTC
		6				208	270			209	269			203	1564			2	2	CAST: 1500-3500
62	77	7	2000		6543	200	231		10310	198	222		7678	192	2159			1	2	WIRE ∠: 1-2°
		8				204	232			201	222			198	2160			2	2	START: 0415
63	78	9	2500		10306	199	206		6072	197	214		6564	195	2606			1	2	DOWN: 0503
		10				220	207			201	215			200	2608			2	2	MESS: 0503
64	79	11	3000		14017	202	194		6076	201	200		7686	193	3101			1	2	UP: 0526
		12				205	194			205	201			199	3103			2	2	IN: 0607
65	80	13	3500		6546	202	192		10311	201	187		7682	202	3500			1	2	SECCHI:
		14				206	193			205	188			202	3501			2	2	COLOUR:
		15					NOTE											1	2	B.T.:
		16	3470 on mechanical counter						3500 on Revelis counter									2	2	
		17																1	2	
		18	4.4 m difference for every 500 m.															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	9	1			0	3	0	2	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	
				4	9	2	6	0	1	3	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	9	1 0	0 8	0	1	3	3	8	5	5	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	P	1	8	8	9	0	0	3		2	2	1	Parizeau
68	69	70	71	72	73	74	75	76	77	78	79	80	ENTERED BY: RB / CHECKED BY: LS

MP18

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
66	2027	1	0		5621	213	1482		7641	212	1478							1 2	STATION: P18
		2				216	1482			216	1478							2 2	CRUISE: 8903
67	2028	3	10		5636	212	1477		7633	210	1477							1 2	DATE: 8/10/89
		4				216	1478			215	1478							2 2	DEPTH: 3700
68	2029	5	20		5384	210	1474		13166	210	1480							1 2	TIME ZONE: Z
		6				215	1476			214	1480							2 2	CAST:
69	2030	7	30		9264	210	1474		14033	208	1480							1 2	WIRE ∠:
		8				215	1475			213	1481							2 2	START: 00:48
70	2031	9	50		3137	203	699		7645	207	697							1 2	DOWN: 01:13
		10				208	700			211	698							2 2	MESS: 01:20
71	2032	11	75		11641	206	620		3189	207	622							1 2	UP: 01:30
		12				212	622			212	622							2 2	IN: 01:58
72	2033	13	100		7746	207	560		7625	208	569							1 2	SECCHI:
		14				212	561			212	569							2 2	COLOUR:
73	2034	15	125		14037	207	654		7638	208	660							1 2	B.T.:
		16				212	654			213	661							2 2	
74	2035	17	150		10308	207	699		6074	208	705		12147	203	833			1 2	
		18				213	699			212	706			208	832			2 2	
75	2036	19	175		15555	206	687		7642	205	687		6161	204	928			1 2	
		20				212	689			210	688			207	929			2 2	
76	2037	21	200		6249	204	675		6071	204	676		12270	203	848			1 2	
		22				209	676			210	677			205	848			2 2	
77	2038	23	250		10307	206	621		7636	207	632		13791	203	842			1 2	
		24				212	622			211	633			205	841			2 2	
78	2039	25	300		13900	202	576		7630	205	579		12402	202	830			1 2	
		26				207	577			210	580			205	830			2 2	
79	2040	27	400		8891	202	505		12082	200	510		6053	204	884			1 2	
		28				208	506			205	511			207	885			2 2	
80	2041	29	500		11525	205	462		6521	205	467		6331	205	879			1 2	
		30				210	463			208	468			210	880			2 2	
81	2042	31	600		12074	206	434		6059	207	438		5825	206	1057			1 2	
		32				211	434			212	440			210	1060			2 2	
82	2043	33	800		12078	205	381		6077	205	384		12149	202	1048			1 2	
		34				210	382			209	385			205	1049			2 2	

IDENTIFICATION									
YEAR		CAST	WIRE ANGLE		CRUISE		CONSEC.		
8	9	2			0	3		2	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	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	9	1	0	0	8	0	2		3	7	8	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	
												1	ENTERED BY	CHECKED BY
68	69	70	71	72	73	74	75	76	77	78	79	80	LS	RB

Parizeau

MP 18

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	
83	2044	1	1000		13897	207	342		6520	206	342		12151	202	1226			1 2	STATION:
#1		2				211	343			211	344			205	1227			2 2	CRUISE: 6903
84	2045	3	1200		13054	209	311		6545	207	316		13800	198	1358			1 2	DATE: 8/10/84
		4				214	312			212	317			203	1359			2 2	DEPTH: 3780
85	2046	5	1500		12077	200	266		6073	199	265		13785	192	1562			1 2	TIME ZONE: Z
#2		6				206	267			205	265			198	1561			2 2	CAST:
86	2047	7	2000		6543	198	232		10310	194	223		7678	188	2165			1 2	WIRE ∠:
		8				204	233			199	223			193	2166			2 2	START: 0159
87	2048	9	2500		10306	194	205		6072	194	214		6564	192	2608			1 2	DOWN: 0233
		10				200	206			200	215			198	2609			2 2	MESS: 0233
88	2049	11	3000		~~14017~~	~~198~~	~~231~~		6076	195	198		7686	189	3105			1 2	UP: 0253
		12				~~203~~	~~232~~			202	199			195	3106			2 2	IN: 0400
89	2050	13	3500		6546	198	190		10311	196	184		7682	188	3502			1 2	SECCHI:
		14				204	191			201	185			195	3502			2 2	COLOUR:
90	2051	15	3700		13044	204	186		10309	200	180		29365	201	2860			1 2	B.T.:
		16				208	187			205	181			206	2861			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	9	1		0		3		2	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	0	0	0	0	1	4	5	0	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	9	1 0 1 4	0 3	0	4	2	5	0			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	8	9			3		2	9	1	PARIZEAU
68	69	70	71	72	73	74	75	76	77	78	79	80	ENTERED BY: BM / CHECKED BY: JL

MP26 — #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
91	1092	1	0		5621	184	1310		7641	182	1306							1 2	STATION: MP26
		2				187	1310			187	1307							2 2	CRUISE: 8903
92	93	3	10		5636	185	1310		7633	185	1310							1 2	DATE: 14/10/89
		4				180	1310			188	1312							2 2	DEPTH: 1500
93	95	5	20		5384	185	1308		13166	185	1311							1 2	TIME ZONE: Z
		6				189	1308			190	1312							2 2	CAST: #1
94	96	7	30		9264	185	1307		14033	183	1312							1 2	WIRE ∠: 0
		8				190	1308			188	1314							2 2	START: 0218
95	97	9	50		3132	184	680		7645	184	677							1 2	DOWN: 0249
		10				189	680			189	679							2 2	MESS: 0258
96	1099	11	75		11641	185	543		3189	185	544							1 2	UP: 0307
		12				190	544			190	546							2 2	IN: 0335
97	2000	13	100		7746	184	496		7625	185	504							1 2	SECCHI:
		14				189	496			190	505							2 2	COLOUR:
98	2001	15	125		1407	183	498		7638	184	502							1 2	B.T.:
		16				188	497			189	503							2 2	
99	2002	17	150		1030	182	534		6074	182	540		1247	175	671			1 2	Felt 13 Trip!
		18				188	534			187	542			182	672			2 2	
100	4	19	175		15555	183	531		7642	181	534		616	179	779			1 2	
		20				188	534			187	533			183	778			2 2	
101	5	21	200		6249	180	510		6071	180	506		1227	175	681			1 2	
		22				185	511			184	509			180	683			2 2	
102	6	23	250		1030	181	470		7636	182	480		1391	175	694			1 2	
		24				187	471			187	482			180	695			2 2	
103	7	25	300		1390	179	458		7630	180	459		1402	175	713			1 2	
		26				183	459			185	461			180	715			2 2	
104	8	27	400		8891	179	435		12082	175	439		603	177	820			1 2	
		28				183	437			180	440			182	820			2 2	
105	9	29	500		1525	180	420		6521	179	424		631	177	839			1 2	
		30				183	421			182	424			181	840			2 2	
106	10	31	600		12074	181	398		6059	182	402		5825	180	1027			1 2	
		32				187	398			187	403			184	1030			2 2	
107	2012	33	800		12078	180	359		6077	180	361		1249	175	1031			1 2	
		34				184	360			184	362			179	1031			2 2	

IDENTIFICATION									
YEAR		CAST	WIRE ANGLE		CRUISE		CONSEC.		
8	9	2	2	0	0	3		2	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.		21 UNASSIGNED						22 CRUISE REF. NUMBER			23 CONSEC. NUMBER			24 CARD TYPE
YEAR	MONTH	DAY	HOURS G.M.T.	1/10																					1
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: PARTEAU

ENTERED BY: BM CHECKED BY: JL

MP26 — #1

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	
108	2013	1	1000		13897	1854	323		6520	1833	322		12151	1761	12111			1 2	STATION: MP26
		2				1858	323			1866	323			1780	12111			2 2	CRUISE: 8903
#1 109	14	3	1200		13054	1853	295		6545	1850	299		13800	1771	13491			1 2	DATE: 14/10/89
		4				1858	296			1884	300			1755	13488			2 2	DEPTH: 4200
110	15	5	1500		12077	1850	263		6073	1850	261		13785	1741	15700			1 2	TIME ZONE: 7
		6				1854	263			1855	263			1738	15700			2 2	CAST: ~~#1~~
111	17	7	2000		6543	1776	230		10310	1772	223		7678	1642	21119			1 2	WIRE ∠: 20° ?
#2		8				1781	232			1778	224			1722	21120			2 2	START: 0338
112	18	9	2500		10306	1774	202		6072	1774	211		3264	1702	26699			1 2	DOWN: 0432
		10				1779	203			1778	212			1777	26700			2 2	MESS: 0432
113	19	11	3000		14017	1777	188		6076	1777	195		7686	1651	30500			1 2	UP: 0456
		12				1783	190			1783	197			1743	30500			2 2	IN: 0543
114	20	13	3500		6546	1777	183		10311	1775	178		7682	1673	34441			1 2	SECCHI:
		14				1782	184			1780	179			1733	34444			2 2	COLOUR:
115	21	15	4000		13044	1783	178		10309	1781	174		29365	1803	30032			1 2	B.T.:
		16				1788	179			1785	175			1855	30032			2 2	
116	22	17	4100		6079	1776	187		6078	1775	187		29362	1702	28821			1 2	Pinger
		18				1782	188			1780	188			1762	28823			2 2	6 m
117	2023	19	4200		13843	1782	179		8877	1782	178		10650	1787	35550			1 2	below
		20				1785	180			1785	178			1801	35551			2 2	4200 bottle
		21																1 2	
		22																2 2	90 m above
		23																1 2	bottom
		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	9	1	0	0	0	3		3	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	0	0	0	1	1	4	4	5	9	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	9	1	0	1	4	0	9	0	4	2	5	0			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
M	P	2	6	8	9	0	0	3		3	1	1
68	69	70	71	72	73	74	75	76	77	78	79	80

VESSEL: PARIZEAU

ENTERED BY: LS

CHECKED BY:

MP26 2ND CAST

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
118	2024	1	0		5621	/	188		7641	/	188			/	1308			1 2	STATION: MP26
		2				/	193			/	193			/	1307			2 2	CRUISE: 8903
119	25	3	10		5636	/	189		7633	/	188			/	1309			1 2	DATE: 89/10/14
		4				/	196			/	196			/	1311			2 2	DEPTH: 1200
120	26	5	20		5384	/	188		13166	/	189			/	1309			1 2	TIME ZONE: Z
		6				/	196			/	197			/	1310			2 2	CAST: #2
121	2057	7	30		9264	/	189		14033	/	187			/	1310			1 2	WIRE ∠: 0
		8				/	196			/	194			/	1312			2 2	START: 0824
122	58	9	50		3132	/	188		7645	/	189			/	708			1 2	DOWN: 0849
		10				/	195			/	196			/	709			2 2	MESS: 0858
123	59	11	75		11641	/	190		3189	/	190			/	542			1 2	UP: 0907
		12				/	197			/	197			/	544			2 2	IN:
124	60	13	100		7746	/	190		7625	/	192			/	496			1 2	SECCHI:
		14				/	197			/	198			/	499			2 2	COLOUR:
125	61	15	125		~~14037~~	/	~~190~~		7638	/	192			/	529			1 2	B.T.:
		16				/				/	199			/	530			2 2	
126	62	17	150		10308	/	189		6074	/	189		12147	/	185	674		1 2	
		18				/	195			/	195			/	192	675		2 2	
127	63	19	175		15555	/	189		7642	/	189		6161	/	186	765		1 2	
		20				/	195			/	194			/	193	767		2 2	
128	64	21	200		6249	/	189		6071	/	188		12270	/	186	667		1 2	
		22				/	194			/	194			/	193	668		2 2	
129	65	23	250		10307	/	189		7636	/	189		13791	/	184	688		1 2	
		24				/	194			/	195			/	190	689		2 2	
130	66	25	300		13900	/	185		7630	/	186		12402	/	184	711		1 2	
		26				/	191			/	193			/	190	712		2 2	
131	67	27	400		8891	/	186		12082	/	183		6053	/	184	819		1 2	
		28				/	191			/	189			/	192	820		2 2	
132	68	29	500		11525	/	189		6521	/	188		6331	/	186	839		1 2	
		30				/	194			/	193			/	192	840		2 2	
133	69	31	600		12074	/	188		6059	/	189		5825	/	188	1024		1 2	
		32				/	194			/	194			/	194	1025		2 2	
134	2070	33	800		12078	/	188		6077	/	189		12149	/	185	1024		1 2	
		34				/	193			/	193			/	191	1026		2 2	

IDENTIFICATION									
YEAR		CAST	WIRE ANGLE		CRUISE		CONSEC.		
8	9	2	0	0	0	3		3	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	PARIZEAU
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	ENTERED BY LS	CHECKED BY

MP26 #2

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
135	2071	1	1000		13897	190	321		6520	190	322		12151	185	12091			1	2	STATION: MP26
		2				194	322			195	323			191	12100			2	2	CRUISE: 8903
#1 136	72	3	1200		13054	190	295		6545	188	300		13800	181	13466			1	2	DATE: 89/10/14
		4				195	296			193	301			187	13488			2	2	DEPTH: 4200
#2 137	73	5	1500		12077	185	263		6073	185	263		13785	181	15772			1	2	TIME ZONE: UTC
		6				191	264			191	263			188	15773			2	2	CAST:
138	74	7	2000		6543	185	230		10310	183	222		7678	179	21880			1	2	WIRE ∠: 0
		8				190	231			188	222			184	21881			2	2	START:
139	75	9	2500		10306	183	204		6072	183	213		3264	184	27400			1	2	DOWN: 1014 PDT
		10				187	204			188	213			189	27422			2	2	MESS: 1014 0314
140	76	11	3000		14017	188	189		6076	188	196		7686	180	31250			1	2	UP: 1043 0314
		12				192	190			192	197			187	31227			2	2	IN: 1130
141	77	13	3500		6546	190	185		10311	190	180		7682	185	35226			1	2	SECCHI:
		14				194	186			194	181			190	35227			2	2	COLOUR:
142	78	15	4000		13044	192	180		10309	189	175		29365	190	30996			1	2	B.T.:
		16				195	180			192	175			193	30997			2	2	
143	79	17	4100		6079	186	189		6078	187	189		29362	184	28884			1	2	33m above bottom
		18				189	190			190	190			188	28885			2	2	
144	2080	19	4200		13843	192	181		8877	192	179		10650	190	36331			1	2	corrected sounder
		20				194	182			195	180			193	36332			2	2	depth = 4237
		21																1	2	Ringer 5m below
		22																2	2	last bottle.
		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	9	1		0	0	3		5	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	
				5	1	1	8	8	1	3	5	1	5	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	9	1	0	5	0	3	5	1	0			2	3	
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	0	9	8	9	0	0	3		5	0	1	Parrsean
68	69	70	71	72	73	74	75	76	77	78	79	80	ENTERED BY / CHECKED BY

MRØ9

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
145	092	1	0		5621	/ 181	1280		7641	/ 180	1279			/				1 2	STATION: MRØ9
		2				/ 182	1281			/ 182	1280			/				2 2	CRUISE: 8903
146	93	3	10		5636	/ 181	1282		7633	/ 180	1283			/				1 2	DATE: 19/10/89
		4				/ 183	1282			/ 183	1285			/				2 2	DEPTH: 1200
147	95	5	20		5384	/ 180	1280		13166	/ 182	1285			/				1 2	TIME ZONE: Z
		6				/ 183	1280			/ 184	1285			/				2 2	CAST:
148	96	7	30		9264	/ 180	1280		14033	/ 178	1286			/				1 2	WIRE ∠: 0
		8				/ 183	1281			/ 182	1286			/				2 2	START: 0421
149	97	9	50		3132	/ 179	957		7645	/ 178	956			/				1 2	DOWN: 0452
		10				/ 183	957			/ 182	958			/				2 2	MESS: 0500
150	99	11	75		11641	/ 181	723		3189	/ 182	725			/				1 2	UP: 0508
		12				/ 184	723			/ 185	725			/				2 2	IN: 0535
151	2660	13	100		7746	/ 179	682		7625	/ 180	686			/				1 2	SECCHI:
		14				/ 183	682			/ 183	688			/				2 2	COLOUR:
152	01	15	125		14037	/ 180	685		7638	/ 181	690			/				1 2	B.T.:
		16				/ 184	685			/ 185	692			/				2 2	
153	02	17	150		10308	/ 177	684		6074	/ 177	690		12147	/ 173	821			1 2	
		18				/ 181	684			/ 181	691			/ 175	822			2 2	
154	04	19	175		15555	/ 178	675		7642	/ 177	674		6161	/ 174	917			1 2	
		20				/ 182	675			/ 181	675			/ 177	916			2 2	
155	05	21	200		6249	/ 176	648		6071	/ 175	648		12270	/ 172	820			1 2	
		22				/ 180	649			/ 179	649			/ 174	821			2 2	
156	06	23	250		10307	/ 177	593		7636	/ 178	601		13791	/ 173	815			1 2	
		24				/ 181	593			/ 182	602			/ 175	815			2 2	
157	07	25	300		13900	/ 174	549		7630	/ 177	551		12402	/ 173	806			1 2	
		26				/ 178	549			/ 180	552			/ 175	805			2 2	
158	08	27	400		8891	/ 173	498		12082	/ 170	502		6053	/ 173	880			1 2	
		28				/ 176	498			/ 173	502			/ 175	883			2 2	
159	09	29	500		11525	/ 177	447		6521	/ 175	451		6331	/ 173	866			1 2	
		30				/ 180	448			/ 179	452			/ 176	869			2 2	
160	10	31	600		12074	/ 174	428		6059	/ 176	433		5825	/ 175	1060			1 2	
		32				/ 178	428			/ 179	433			/ 178	1063			2 2	
161	12	33	800		12078	/ 175	384		6077	/ 175	386		12149	/ 172	1060			1 2	
		34				/ 178	384			/ 179	387			/ 174	1060			2 2	

IDENTIFICATION									
YEAR		CAST	WIRE ANGLE		CRUISE		CONSEC.		
8	9	2			0	3		5	0
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	

MRØ9

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	
162	2013	1	1	0	0	0		1	3	8	9	7		1	7	7		3	4	1				6	5	2	0		1	7	5		3	4	0			1	2	1	5	1		1	7	0	1	2	3	4												1	2	STATION: MRØ9
		2												1	8	0		3	4	2									1	7	9		3	4	2									1	7	3	1	2	3	5												2	2	CRUISE: 8903
163	14	3	1	2	0	0		1	3	0	5	4		1	7	7		3	0	7				6	5	4	5		1	7	4		3	1	1			1	3	8	0	0		1	6	5	1	3	6	3												1	2	DATE: 1/9/10/89
		4												1	8	0		3	0	7									1	7	8		3	1	2									1	6	8	1	3	6	3												2	2	DEPTH: 3000
164	15	5	1	5	0	0		1	2	0	7	7		1	7	2		2	6	5				6	0	7	3		1	7	2		2	6	5			1	3	7	8	5		1	6	5	1	5	6	8												1	2	TIME ZONE: UTC
		6												1	7	6		2	6	6									1	7	6		2	6	5									1	6	9	1	5	7	0												2	2	CAST:
165	17	7	2	0	0	0			6	5	4	3		1	7	3		2	2	3			1	0	3	1	0		1	6	9		2	1	5				7	6	7	8		1	6	4	2	1	6	5												1	2	WIRE ∠: 0
		8												1	7	6		2	2	4									1	7	3		2	1	6									1	6	8	2	1	6	7												2	2	START: 0535
166	18	9	2	5	0	0		1	0	3	0	6		1	6	7		1	9	6				6	0	7	2		1	6	8		2	0	5				3	2	6	4		1	6	8	2	7	2	5												1	2	DOWN: 0614
		10												1	7	1		1	9	6									1	7	2		2	0	5									1	7	1	2	7	2	8												2	2	MESS: 0614
167	19	11	3	0	0	0		1	4	0	1	7		1	7	2		1	8	8				6	0	7	6		1	7	0		1	9	4				7	6	8	6		1	6	3	3	1	1	3												1	2	UP: 0633
		12												1	7	7		1	8	9									1	7	7		1	9	6									1	6	8	3	1	1	4												2	2	IN: 0700
		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	

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IDENTIFICATION									
YEAR		CAST	WIRE ANGLE		CRUISE		CONSEC.		
8	9	1			0	3		5	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	4	3	6	1	3	1	5	0	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.		21 UNASSIGNED						22 CRUISE REF. NUMBER			23 CONSEC. NUMBER			24 CARD TYPE	VESSEL
YEAR	MONTH	DAY	HOURS G.M.T.	1/10																			PARIZEAU
8 9	1 0	2 0	0 2	0	2 3	5 0			2 1	M	J	0	3	8	9	0	0	3		5	7	1	ENTERED BY LS / CHECKED BY RBe
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	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	
168	2059	1	0		5621	187	1251		7641	185	1246							1 2	STATION: MJ03
		2				188	1251			188	1247							2 2	CRUISE: 8903
169		3	10		5636	182	1244		7633	179	1245							1 2	DATE: 20/10/89
		4				189	1245			186	1246							2 2	DEPTH:
170		5	20		5384	180	1237		13166	182	1243							1 2	TIME ZONE: UTC
		6				187	1239			188	1244							2 2	CAST:
171		7	30		9264	181	1237		14033	179	1244							1 2	WIRE ∠:
		8				188	1239			185	1245							2 2	START:
172		9	50		3132	174	832		7645	175	834							1 2	DOWN: 01:55
		10				185	833			184	835							2 2	MESS: 02 02
173		11	75		11641	178	724		3189	178	725							1 2	UP: 02:18
		12				186	726			187	728							2 2	IN:
174		13	100		7746	179	709		7625	180	715							1 2	SECCHI:
		14				187	710			186	716							2 2	COLOUR:
175		15	125		14037	179	700		7638	179	707							1 2	B.T.:
		16				186	701			187	709							2 2	
176		17	150		10308	174	669		6074	174	676		12147	166	808			1 2	
		18				183	671			182	678			180	810			2 2	
177		19	175		15555	177	647		7642	175	646		6161	170	889			1 2	
		20				185	649			183	648			181	890			2 2	
178		21	200		6249	174	634		6071	174	635		12270	170	808			1 2	
		22				182	636			182	636			180	809			2 2	
179		23	250		10307	176	603		7636	176	612		13791	169	827			1 2	
		24				184	604			185	614			180	829			2 2	
180		25	300		13900	172	594		7630	174	596		12402	168	849			1 2	
		26				180	596			182	598			179	851			2 2	
181		27	400		8891	171	568		12082	166	572		6053	170	950			1 2	
		28				180	570			176	574			180	952			2 2	
182		29	500		11525	178	524		6521	173	528		6331	173	943			1 2	
		30				184	525			182	529			181	944			2 2	
183		31	600		12074	177	464		6059	180	469		5825	176	1092			1 2	
		32				185	465			186	470			185	1093			2 2	
184		33	800		12078	176	407		6077	175	410		12149	168	1082			1 2	
		34				183	408			183	412			179	1082			2 2	

IDENTIFICATION									
YEAR		CAST	WIRE ANGLE		CRUISE		CONSEC.		
8	9	1			0	3		5	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 9	1 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
												1	PARIZEAU
68	69	70	71	72	73	74	75	76	77	78	79	80	ENTERED BY LS / CHECKED BY RBe

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	
185		1	1000		13897	177	368		6520	173	368		12151	166	1259			1	2	STATION: MJ03
		2				184	369			183	369			178	1261			2	2	CRUISE: 89-03
186		3	1200		13054	177	319		6545	173	323		13800	162	1376			1	2	DATE: 20/10/89
		4				185	320			182	324			174	1378			2	2	DEPTH:
187		5	1500		12077	174	265		6073	173	264		13785	166	1574			1	2	TIME ZONE: UTC
		6				181	266			182	266			177	1577			2	2	CAST:
188	2071	7	2000		6543	175	220		10310	173	212		7678	167	2172			1	2	WIRE ∠:
		8				183	221			181	213			179	2173			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	
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		27																1	2	
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		31																1	2	
		32																2	2	
		33																1	2	
		34																2	2	