

Rosette sampling log mission 2005-04

Event 23
 Station CB-10
 CTD Filename 200504_053

Date (UTC) 16.08.05
 UTC/Local time 10:21
 CTD Operator _____

(1463 m/s soundspeed, w/o +9 hull correction)

Depth 2504 In-air press 0.08
 Lat (N) 28°17.107 Ice (tenths) 0.8 - 0.04
 Lon (W) 153°15.142 Start Scan 7500

Full Profile

Samp #	Raw Nom Sal	Raw Nom Depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	C-13	FW-Alkalinity	SALINITY	NUTRIENTS	Bacteria	NR4	O18	Ba	TOTAL CHL a 0.7u	CDOM	I-129	Ox137	BIO	DOC	Comments
529	Bot	2456	V1	✓✓	✓	7332		✓	2091	2092			✓	✓											
530		2000	V2	✓✓		7352			2094				✓	✓			✓	✓							
531		1600	V3	✓✓	✓	9830	7552		2096					✓											
532		1400	V4	✓✓		7223			2098																
533		1200	V5	✓✓		7637			2099																
534		1000	V6	✓✓		7383		✓	3016	3004 3006															
535		800	V7	✓✓		7677			3007																
536		600	V8	✓✓		7201			3009																
537		500	V9	✓✓		7222			3012			✓		✓✓			✓	✓							
538	+MAX	406	V10	✓✓	✓	7350	9822		3034						✓										
539	34.8	350	V11	✓✓		7357			3018								✓								
540	34.6	248	V12	✓✓		7435			3019								✓	✓							
541	34.4	2178	V13	✓✓		7629			3024						✓										
542	34.2	184	V14	✓✓	✓	7166	7676		3028																
543	34	170	V15	✓✓		7627			3033								✓								
544	33.7	160	V16	✓✓		7417			3048								✓								
545	33.4	150	V17	✓✓		7408		✓	3038	3039					✓		✓✓								
546	33.1	140	V18	✓✓		7475			3040				✓		✓		✓	✓							
547	32.7	117	V19	✓✓		7353			3043					✓			✓								
548	32.3	94	V20	✓✓		7467			3047						✓		✓		✓						
549	32	75	V21	✓✓		7624			3051					✓			✓✓		✓						
550	chl MAX	40	22	✓✓		7504			3052						✓		✓		✓✓						
551		25	23	✓✓		7433			3055						✓		✓		✓						
552		5	24	✓✓	✓	7625		✓	3057		✓	✓	✓	✓	✓		✓	✓							

Comments :

Depths ?
 if 2000 : Bot
 1800
 1600
 1400

if 1000 : Bot
 900
 800
 700
 600

Miskin
 4
 5
 6
 7
 8

(skip bottom 3 Miskins if note samples)

if 3000 : Bot
 2500
 2000
 1500
 1200

16 18

IF less than 900m please call me. #191



Bets:

~~ITP~~ Drop Date

M Steel Jan 12 4:15 UTC

R North Jun 15 4pm local

W Richardson Jan 21 noon Pacific

M Kami Apr 16 3am UTC

M H ^{ISSUES} July 30 2006 16 UTC

D Sieberg Sept 2006 noon local

J Eert Feb 15, 2006 0600 PST

NS ^{ISSUES} _{level} Aug 6 2006 0400,

A Madala Dec 15 2005 0800 UTC

J Carput Dec 16 2005 1230 UTC

Rosette sampling log mission 2005-04

Event 32
 Station CB-10
 CTD Filename 200504-032

Date (UTC) 16.08.05
 UTC/Local time 08:55
 CTD Operator _____

(1463 m/s soundspeed, w/o +9 hull correction)
 Depth 8450 In-air press 0.17 -0.1
 Lat (N) 78°17.242 Ice (tenths) 8/10
 Lon (W) 153°14.80 Start Scan 11350

Cesium Cast
 7450

Samp #	Raw Nom Sal	Raw Nom Depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	C-13	FW-Alkalinity	SALINITY	NUTRIENTS	Bacteria	NH4	O18	Ba	TOTAL CHLa 0.7u	CDOM	I-129	Cs-137	DIC	TOC	Comments		
517		800	✓ 1																			✓					
518		800	✓ 2																			✓	✓				
519		800	✓ 3										✓									✓	✓				
520		600	✓ 4																			✓	✓				
521		600	✓ 5																			✓	✓				
522		600	✓ 6										✓									✓	✓				
523	Tmax	410	✓ 7																			✓	✓				
524	Tmax	410	✓ 8																			✓	✓				
525	Tmax	410	✓ 9										✓									✓	✓				
526	33.5	154	✓ 10																			✓	✓				
527	33.5	154	✓ 11																			✓	✓				
528	33.5	154	✓ 12										✓									✓	✓				
			13																								
			14																								
			15																								
			16																								
			17																								
			18																								
			19																								
			20																								
			21																								
			22																								
			23																								
			24																								

Comments :

Stop at bottle depth for 2 minutes and then close the 3 bottles.

Rosette sampling log mission 2005-04

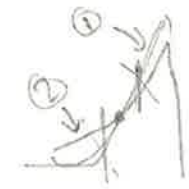
Event 30
 Station CB-11
 CTD Filename 200504-030

Date (UTC) 2005/08/15
 UTC/Local time 0453/1053
 CTD Operator JE/WW

(1480 m/s sound speed, w/o +8 hull correction)

Depth 3831 In-air press +0.03 / -0.04
 Lat (N) 78° 58.51' Ice (tenths) 9
 Lon (W) 149° 59.71' Start Scan 6900

Knudsen



Samp #	Raw Nom Sal	Raw Nom Depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	C-13	FW-Alkalinity	SALINITY	NUTRIENTS	Bacteria	MPA	O18	Ba	TOTAL CHL a 0.7u	CDOM	I-129	CS-137	DOC	TOC	Comments
493	Bot	3812	V1	✓	✓	7352		✓	2019				✓	✓											
494		3500	V2	✓	✓	7637			2092					✓			✓	✓							
495		2500	V3	✓	✓	7166	7350		2094				✓												
496		2000	V4	✓	✓	7124			2096																
497		1500	V5	✓	✓	7676			2098																
498		1000	V6	✓		7435		✓	2099	3004 3003				✓											
499		800	V7	X✓		9822			3007																Lots of bubble difficulties (CFC's)
500		600	V8	X✓		7475			3009				✓												Didn't seal properly at bottom
501		500	V9	✓		7635		✓	3012	3016								✓							
502		450	V10	✓		7357			3018			✓			✓			✓							#7 - DRIP LEAK FROM SPIGOT
503	34.8	333	V11	✓		7222			3019									✓							#8 - BOTTOM SEAL LEAK
504	34.6	252	V12	✓		7201			3024									✓							
505	34.4	207	V13	✓	•	7552		✓	3028	3057					✓										
506	34.2	178	V14	✓		7625			3033									✓							
507	34	160	V15	✓	•	7627			3034																
508	33.7	147	V16	✓	✓	7609	7433		3038					✓											
509	33.4	137	V17	✓	•	7677			3039						✓				✓		✓				
510	33.1	129	V18	✓		7408			3040				✓						✓		✓				
511	32.7	113	V19	✓	•	7332			3043																
512	32.3	88	V20	✓		7467			3047						✓										
513	32	75	V21	✓	•	9830			3048									✓							
514	CHL Max	44	V22	✓		7504			3051						✓			✓							
515		25	V23	✓	•	7223			3052						✓										
516		5	V24	✓	✓	7383			3055		✓	✓	✓	✓	✓										

Comments:

Stop @ 900m on down & up casts to change winch gears.
 ↑ 600 → ↓ 640 → ↑ 628 stop winch (wire) problems

↑ No ammonium. Right
 ↑ NO CDOM, but we are taking iodine-129

Rosette sampling log mission 2005-04

Event 29
 Station CB-11
 CTD Filename 200504_029

Date (UTC) 2005/08/15
 UTC/Local time 0336/2136
 CTD Operator JE

(1463 m/s soundspeed, w/o ±8 hull correction)
 Depth ~3800 In-air press +0.07/+0.14
 Lat (N) 78 58.34 Ice (tenths) 9
 Lon (W) 149 59.68 Start Scan 10000

Cesium Cast

1840

Samp #	Raw Nom Sal	Raw Nom Depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	C-13	FW-Alkalinity	SALINITY	NUTRIENTS	Bacteria	NH4	O18	Ba	TOTAL CHL a 0.7u	CDOM	I-129	Cs-137	DIC	TOC	Comments	
481	1	800	✓1	✓✓																						
482		800	✓2	✓✓																						
483		800	✓3	✓✓									✓								✓	✓				
484	BSP	600	✓4	✓✓																		✓	✓			
485	BSP	600	✓5	✓✓																		✓	✓			
486	BSP	600	✓6	✓✓									✓									✓	✓			
487	FSB Tmax	385	✓7	✓✓																		✓	✓			
488	FSB	385	✓8	✓✓																		✓	✓			
489	FSB	385	✓9	✓✓									✓									✓	✓			
490	LH 33.5	141	✓10	✓✓																		✓	✓			DUMP } reuse bottles
491	LH	141	✓11	✓✓																		✓	✓			DUMP } on intercast
492	LH	141	✓12	✓✓									✓									✓	✓			
			13																							
			14																							
			15																							
			16																							
			17																							
			18																							
			19																							
			20																							
			21																							
			22																							
			23																							
			24																							

Comments:

2 min stop
 DO sensor < 4 @ ~130m
 Commerror when closing first bottle
 went back down on upcast to catch 33.5 - poss pressure to change samples already taken.

Please fill Cesium bottles right up to the top! Thanks, J.

DUMPED

490
Cs-137
CB11
C#029
2005-04
Bot 10

491
Cs-137
CB11
C#029
2005-04
Bot 11

Rosette sampling log mission 2005-04

Event 28
 Station CB-9
 CTD Filename 200504-028

Date (UTC) 14.08.05
 UTC/Local time 07:40
 CTD Operator _____

(1463 m/s soundspeed, w/o +9 hull correction) 3832
 Depth 3824 In-air press 0.2 0.02
 Lat (N) 28° 0.12 Ice (tenths) 8/10
 Lon (W) 149° 50.21 Start Scan 3500

Fluor 
 chl 

Samp #	Raw Nom Sal	Raw Nom Depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	C-13	FW-Alkalinity	SALINITY	NUTRIENTS	Bacteria	NH4	O18	Ba	TOTAL CHL a 0.7u	CDOM	PAR	Os-437	DIC	TOC	TOC - see	Comments
458	Bot	3816	V1	✓	✓	7627		✓	2007				✓	✓									✓	✓	✓	
459		3500	V2	✓	✓	7350			2014				✓	✓			✓	✓					✓	✓	✓	
460		2500	V3	✓	✓	7624	7332		2015																	
461		2000	V4	✓	✓	7635			2017																	
462		1500	V5	✓	✓	7447			2025																	
463		1000	V6	✓	✓	7552		✓	2027	2032 2033				✓	✓											
464		800	V7	✓	✓	9822			2044																	
465		600	V8	✓	✓	7222		✓	2047	2049																
466		500	V9	✓	✓	7488			2051				✓					✓								
467		450	V10	✓	✓	7637			2056			✓			✓		✓									
468	34.8	344	V11	✓	✓	7435			2057								✓									
469	34.6	258	V12	✓	✓	7357			2059					✓	✓	✓										
470	34.4	220	V13	✓	✓	7629			2060						✓											
471	34.2	182	V14	✓	✓	7677			2061								✓									
472	34	178	V15	✓	✓	7433			2063							✓		✓								
473	33.7	164	V16	✓	✓	7676			2064								✓									
474	33.4	151	V17	✓	✓	7166		✓	2068	2089					✓	✓	✓									
475	33.1	139	V18	✓	✓	7475			2069				✓	✓	✓	✓	✓						✓	✓	✓	
476	32.7	118	V19	✓	✓	7467			2073																	
477	32.3	95	V20	✓	✓	7201			2074						✓		✓									
478	32	76	V21	✓	✓	7383			2082																	
479	chl max	46	V22	✓	✓	7625			2085						✓	✓	✓									
480	25	25	23	✓	✓	7352			2086						✓		✓									
481	5	5	24	✓	✓	7564		✓	2087		✓	✓	✓	✓	✓	✓	✓	✓					✓	✓	✓	

Comments :

500th Sample!

26

10th 14 19

3816+8

↑
 Mes is taking second set to test alternate method

Rosette sampling log mission 2005-04

Event 27
 Station CB-8
 CTD Filename 200504_027

Date (UTC) 2005/08/13
 UTC/Local time 1921/1321
 CTD Operator JC

(1463 m/s soundspeed, w/o +9 hull correction)
 Depth 3830 In-air press +0.08 / -0.0
 Lat (N) 76 59.32 Ice (tenths) 9+
 Lon (W) 150 00.64 Start Scan 7900

Samp #	Raw Nom Sal	Raw Nom Depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	C-13	FW-Alkalinity	SALINITY	NUTRIENTS	Bacteria	NH4	O18	Ba	TOTAL CHLa 0.7u	CDOM	T-129	CS-137	DIC	TOC	Comments
434	Bot	3800	✓1	✓✓				✓	2091				✓	✓											
435	3500	3500	✓2	✓✓	✓	7201			2092				✓				✓	✓							
436	2500	2500	✓3	✓✓	✓	7467		✓	2094	2096															
437	2000	2000	✓4	✓✓					2098																
438	1500	1500	✓5	✓✓	✓	7353			2099																
439	1000	1000	✓6	✓✓	✓	7166		✓✓	3003	3005				✓✓											
440	800	800	✓7	✓✓	✓	7488			3007							10									10 bottles for low ammonium STD
441	600	600	✓8	✓✓	✓	7350			3009											✓					
442	500	500	✓9	✓✓	✓✓	7552	7417		3012	3018								✓							
443	450	450	✓10	✓✓	✓	7475		✓	3016	3018		✓			✓		✓								
444	34.8	343	✓11	✓✓	✓	7435			3019								✓			✓					
445	34.6	264	✓12	✓✓	✓	7624			3024					✓	✓✓	✓									
446	34.4	226	✓13	✓✓	✓	7223			3028						✓										
447	34.2	205	✓14	✓✓	✓	7433			3033								✓								
448	34	192	✓15	✓✓	✓	9830			3034						✓	✓									No Bacteria
449	33.7	178	✓16	✓✓	✓✓	7629	7677		3038								✓								
450	33.4	167	✓17	✓✓	✓	7352			3039					✓	✓	✓	✓	✓		✓					
451	33.1	153	✓18	✓✓	✓	9822			3040				✓		✓	✓	✓		✓	✓					
452	32.7	126	✓19	✓✓	✓	7504			3043																
453	32.3	97	✓20	✓✓	✓	7222			3047								✓			✓					
454	32	84	✓21	✓✓	✓	7625			3048										✓	✓					
455	chl Max	57	✓22	✓✓	✓	7676			3051						✓	✓	✓	✓		✓					
456		25	✓23	✓✓	✓	7383			3052						✓		✓			✓					
457		5	✓24	✓✓	✓	7627		✓	3055		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					

Comments: Bottle 8 switched out with a spare before the cast.

Releases on frame
 First deployment - no pressure change when fish went in water - restarted Seasave, redeployed, all OK.
 No altimeter on cast

Water Discharge from evaps into rosette area during cast - saltier than ambient. Discharge stopped @ 1954
 Winch stop @ 900m on down & up casts to change gears. Wait 10min @ 300m while releases tested.

3833

Rosette sampling log mission 2005-04

Event 26
 Station CB7
 CTD Filename 200504_026

Date (UTC) 13.08.05
 UTC/Local time 08:14
 CTD Operator _____

(1463 m/s soundspeed, w/o +9 hull correction) 3833
 Depth 3829 In-air press 0.2 0.04
 Lat (N) 75° 59' 30.8 Ice (tenths) 9/10
 Lon (W) 149° 57' 8.98 Start Scan 8600

Samp #	Raw Nom Sal	Raw Nom Depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	C-13	FW-Alkalinity	SALINITY	NUTRIENTS	Bacteria	NH4	O18	Ba	TOTAL CHLa 0.7u	CDOM	I-129	Cs-137	DIC	TOC	Comments	
410	Bot	3821	V1	✓✓				✓	3157				✓	✓			✓	✓								
411		3500	V2	✓✓	✓	9822	7635	✓	3159	3160			✓	✓												
412		2500	V3	✓✓	✓	7676		✓	3161				✓	✓												
413		2000	V4	✓✓				✓	3164					✓												
414		1500	V5	✓✓				✓	3166					✓												
415		1000	V6	✓✓	✓	7435		✓	3171	3174				✓												
416		800	V7	✓✓	✓	7352		✓	3177				✓	✓												
417		600	V8	✓✓	✓	7223		✓	3179					✓												
418		500	V9	✓✓	✓	7627		✓	3180					✓												
419		450	V10	✓✓					3181			✓		✓	✓		✓									
420	34.8	379	V11	✓✓	✓	7629			3182								✓									
421	24.6	280	V12	✓✓	✓	7637			3183								✓									
422	34.4	242	V13	✓✓					3186						✓											
423	34.2	220	V14	✓✓	✓	7625			3187								✓									
424	34	205	V15	✓✓					3188																	
425	33.7	180	V16	✓✓	✓	7433			3189					✓	✓	✓										
426	33.4	178	V17	✓✓				✓	3190	3191				✓	✓	✓										
427	33.1	165	V18	✓✓	✓	7357	7333	✓	3192				✓	✓	✓	✓	✓	✓	✓	✓						
428	32.7	122	V19	✓✓					3193																	
429	32.3	88	V20	✓✓	✓	7677			3194					✓		✓										
430	32	69	V21	✓✓					3196																	
431	ChlMax	46	22	✓✓	✓	9830			3198					✓		✓										
432		25	23	✓✓					3199					✓		✓										
433		5	24	✓✓	✓	7332		✓	3200		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						

Comments :

Rosette sampling log mission 2005-04

Event 25
 Station CB4
 CTD Filename 200504_025

Date (UTC) 2005/08/12
 UTC/Local time 2137/1537
 CTD Operator JE

(1463 m/s soundspeed, w/o +9 hull correction)
 Depth 3840 In-air press +0.1
 Lat (N) 74° 39.29 Ice (tenths) 9
 Lon (W) 149° 52.45 Start Scan 9700

6:50

Intusion study

Samp #	Raw Nom Sal	Raw Nom Depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	C-13	FW-Alkalinity	SALINITY	NUTRIENTS	Bacteria	NH4	O18	Ba	TOTAL CHL a 0.7u	CDOM	I-129	Cs-137	DIC	TOC	Comments		
386		850	1	VV	✓	7467		✓	2007				✓														
387		800	2	VV	✓	7201			2014																		
388		750	3	VV	✓	7353			2015																		
389		710	4	VV	✓	7166			2017				✓														
390	every 30m	670	5	VV	✓	7488			2025			✓															
391		630	6	VV	✓	7475			2027			✓															
392	↑	590	7	VV	✓			✓																		did not trip - was sent signal twice & came back on second try.	
393	↓	550	8	XV	✓	7350			2047			✓															
394		520	9	VV	✓	7223			2049													✓					
395	↓	510	10	VV	✓	7433			2051			✓															
396	every 10m	500	11	VV	✓	7552		✓	2056	2057																	
397		490	12	VV	✓	7332			2059			✓															
398		480	13	VV	✓	7383			2060				✓														
399		470	14	✓✓	✓	7417	9830		2061																		
400		460	15	✓✓	✓	7625			2063																		
401		450	16	✓✓	✓	7357			2064																		
402		440	17	✓✓	✓	7624	9825	✓	2066	2033																	
403		430	18	✓✓	✓	7677		✓	2084	2069																	
404		420	19	✓✓	✓	7629		✓	2073	2044				✓													
405		410	20	✓✓	✓	7635			2074																		
406		400	21	✓✓	✓	7627			2084																		
407		390	22	✓✓	✓	7676			2085	2088																	
408		380	23	✓✓	✓	7637		✓	2086	2032																	
409		370	24	✓✓	✓	9822		✓	2087			✓	✓									✓					

Comments :

CFC Nrstkins 1-8 are only to be run if oxy results show good separation of Finu St + Brests Sen Atl W.

(19)

@ 900m when winch stops to gear, please raise to surface @ 0.5 m/s & trip bottles on the fly
 miss block test at end
 huge jump in T, S, DO @ 100 m - just an plot.
 open closed

(20)

Rosette sampling log mission 2005-04

Event 24
 Station C86
 CTD Filename 200504-024

Date (UTC) 11 Aug 05
 UTC/Local time 1345/1945
 CTD Operator SZ

(1483 m/s soundspeed, w/o +9 hull correction)

Depth 3802 In-air press .1 / -0.1
 Lat (N) 74 45.205 Ice (tenths) 8
 Lon (W) 147 45.094 Start Scan

Need to add some to

~~3700~~
~~572200~~

Samp #	Raw Nom Sal	Raw Nom Depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	C-13	FW-Alkalinity	SALINITY	NUTRIENTS	Bacteria	NH4	O18	Ba	TOTAL CHLa 0.7u	CDOM	I-129	Cs-137	DIC	TOC	Comments	
362	Bot	3796	√1	√				√	3157				√	√			√	√								
363	3500	2000 3500	√2	√				√	3159				√													
364	2500	2500	√3	√				√	3160	3161			√													
365	2000	2000	√4	√	√	7635	7350	√	3164																	
366	1500	1500	√5	√	√	7678		√	3171							10										
367	(94) 1000	1000	√6	√		7676		√	3174	3177				√											TRIPlicate: 3178	
368	800	800	√7	√		7504			3179																	
369	600	600	√8	X√		7332			3180																	
370	500	500	√9	√		9822			3181			√						√								
371	34.8	396	√10	√		7433			3182			√					√									
372	34.6	295	√11	√		9830			3183								√									
373	34.4	260	√12	√		7625			3202								√									
374	34.2	240	√13	√		7475			3187						√											
375	34	229	√14	√		7357			3188								√									
376	33.7	210	√15	√	√	7477			3189					√												
377	33.4	198	√16	√					3190								√	√								
378	Tmin	175	√17	√	√	7223	7502		3191						√		√									
379	32.75	148	√18	√					3192			√			√		√		√							
380	32.6	132	√19	√				√	3193	3194									√							
381	32.3	105	√20	√	√	7627			3196						√		√		√							
382	32	86 86	√21	√					3198					√					√							
383	ChlMax	56	√22	√	√	7629			3199						√		√		√							
384		25	√23	√					3200						√		√		√							
385		5	√24	√	√	7383		√	3186		√	√	√	√	√	√	√	√	√							

stopped @ 750 m upcast to Δ gears

Comments :

- Transmissometer, altimeter detached from CTD LADCP has not been turned on.
- 3 Releases being tested this cast. 2 of moorings them failed the last cast. So all sound makers have been turned off.
- Transmissometer repositioned as well. Its currently off just to verify it is not affecting the oxygen probe. ~~Next cast~~ Repositioned just in case the sensor is being twisted in the vertical orientation. (27)

stopped @ 3786 m to test releases

Rosette sampling log mission 2005-04

Event Cast 22
 Station C15-5A
 CTD Filename 200504_022

Date (UTC) 10.08.05
 UTC/Local time 17:48/1148
 CTD Operator JF

(1463 m/s soundspeed, w/o +9 hull correction)

Depth 3846 In-air press 0.13
 Lat (N) 25° 34.31 Ice (tenths) 9+
 Lon (W) 155 33.63 Start Scan 7200

Knudsen

Samp #	Raw Nom Sal	Raw Nom Depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	C-13	FW-Alkalinity	SALINITY	NUTRIENTS	Bacteria	NH4	O18	Ba	TOTAL CHL a 0.7u	CDOM	1-129	Cs-137	DIC	TOC
338	Bot	3836(16)	✓1	VV				✓	2091				✓/✓				✓	✓						
339	(alt=6m)	3000	✓2	VV					2092															
340		2500	✓3	VV					2094	2096														
341		2000	✓4	VV	✓	7250	7678		2098															
342		1300	✓5	VV	✓	7475			2099															
343		1000	✓6	VV	✓	7624		✓	3009	3016				✓										
344		800	✓7	XV	✓	7488			3019															
345		600	✓8	XV	✓	9830			3004				✓											
346		500	✓9	VV	✓	7467			3003									✓						
347	34.8	380	✓10	VV	✓	7625			3007			✓			✓		✓							
348	34.6	301	✓11	VV	✓	7353			3006					✓			✓							
349	34.4	260	✓12	VV	✓	7201			3018								✓							
350	34.2	238	✓13	VV	✓	7677			3024						✓									
351	34	222	✓14	VV	✓	7352			3028								✓	✓						
352	33.7	209	✓15	VV	✓	7433			3033															
353	33.4	197	✓16	✓				✓	3034	3038														
354	Tmin	174	✓17	VV	✓	7166	7825		3039						✓	(W)	✓							
355	32.75	141	✓18	VV					3040						✓		✓		✓					
356	32.6	125	✓19	VV					3043															
357	32.3	99	✓20	VV	✓	7637			3047					✓	✓		✓							
358	32	77	✓21	✓					3048															
359	chl max	50	✓22	VV	✓	7637			3051						✓	(W)	✓							
360		25	✓23	VV					3052						✓		✓							
361		5	✓24	✓	✓	7435		✓	3055		✓	✓	✓	✓	✓	✓	✓	✓	✓					

Comments: Pressure readout stuck at 546m, both in fixed & graph displays but depth value continues to change. Couldn't read in air pressure after cast because of this.

2 Releases on Frame.

Bottom "hatch" did not close, bottle #24

"Sparrows" flying around on upcast !!
 LGBs

Rosette sampling log mission 2005-04

Event Cast 22
 Station C15-5A
 CTD Filename 200504-022

Date (UTC) 10.08.05
 UTC/Local time 17:48/1148
 CTD Operator JE

(1463 m/s soundspeed; w/o +9 hull correction) Knudsen
 Depth 3846 In-air press 0.13
 Lat (N) 75 34.31 Ice (tenths) 9+
 Lon (W) 155 33.63 Start Scan 7200

Samp #	Raw Nom Sal	Raw Nom Depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	C-13	FW-Alkalinity	SALINITY	NUTRIENTS	Bacteria	NH4	O18	Ba	TOTAL CHLa 0.7u	CDOM	I-129	Cs-137	DIC	TOC
338	Bot	3836(+6)	✓1	VV				✓	2091				✓	✓			✓	✓						
339	(at=6m)	3000	✓2	VV					2092															
340		2500	✓3	VV				✓	2094	2096														
341		2000	✓4	VV	✓	7250	7678		2098															
342		1300	✓5	VV	✓	7475			2099															
343		1000	✓6	VV	✓	7624		✓	3009	3016				✓										
344		800	✓7	XV	✓	7488			3019															
345		600	✓8	XV	✓	9830			3004				✓											
346		300	✓9	VV	✓	7467			3003									✓						
347	34.8	380	✓10	VV	✓	7625			3007			✓			✓		✓							
348	34.6	301	✓11	VV	✓	7353			3006					✓			✓							
349	34.4	260	✓12	VV	✓	7201			3018								✓							
350	34.2	238	✓13	VV	✓	7677			3024						✓									
351	34	222	✓14	VV	✓	7352			3028								✓	✓						
352	33.7	209	✓15	VV	✓	7435			3033															
353	33.4	197	✓16	✓				✓	3034	3038														
354	Tmin	174	✓17	VV	✓	7166	7825		3039						✓	W	✓							
355	32.75	141	✓18	VV					3040						✓		✓							
356	32.6	125	✓19	VV					3043															
357	32.3	99	✓20	VV	✓	7637			3047						✓	✓	✓							
358	32	77	✓21	✓					3048															
359	chl max	50	✓22	VV	✓	7637			3051						✓	W	✓							
360		25	✓23	VV					3052						✓		✓							
361		5	✓24	✓	✓	7435		✓	3055		✓	✓	✓	✓	✓	✓	✓	✓	✓					

Comments: Pressure readout stuck at 546m, both in fixed & graph displays but depth value continues to change. Couldn't test in air pressure after cast because of this.

2 Releases in Frame.

Bottom "hatch" did not close, bottle # 24

"Sparrows" flying over / on ground!
 LGBc

Rosette sampling log mission 2005-04

Event Cast 21
 Station CB-5
 CTD Filename 200504-021

Date (UTC) 10.08.05
 UTC/Local time 10:13/
 CTD Operator HL/WL

(1463 m/s soundspeed, w/o +9 hull correction)
 Depth 3843 In-air press 0.13 - 0.18
 Lat (N) 75°16.66N Ice (tenths) 4/10
 Lon (W) 153°14.83E Start Scan 8600

3847

Samp #	Raw Nom Sal	Raw Nom Depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	C-13	FW-Alkalinity	SALINITY	NUTRIENTS	Bacteria	NH4	O18	Ba	TOTAL CHLa 0.7u	CDOM	I-129	C-137	DIC	TOC	
327	bot	3838	V1	✓✓				✓	3157				✓	✓											
328		3000	V2	✓✓				✓	3159				✓	✓			✓✓	✓✓							
329		2000	V3	✓✓				✓	3160				✓	✓											
330		1000	V4	✓✓	✓			✓✓	3161	3164			✓	✓											
331	34.8	404	V5	✓✓	✓✓			✓	3171			✓	✓				✓	✓							
332	34.6	312	V6	✓✓	✓			✓	3177			✓	✓		✓		✓	✓							
333	34.2	258	V7	✓✓				✓	3178			✓	✓		✓		✓	✓							
334	33.1	210	V8	✓✓	✓			✓	3179			✓	✓	✓	✓		✓	✓	✓						
335	32.3	106	V9	✓✓				✓	3180			✓	✓		✓		✓	✓	✓						
336	chl max	43	10	✓✓				✓	3181			✓	✓		✓		✓	✓	✓						
337	5		11	✓✓				✓	3182	3183	✓	✓	✓	✓	✓	✓	✓	✓	✓						
			12																						
			13																						
			14																						
			15																						
			16																						
			17																						
			18																						
			19																						
			20																						
			21																						
			22																						
			23																						
			24																						

Comments :

40m from CB-4
 problems with transducer ~ 260m - 370m (temp. gradient)
 up OK
 Rosette 1 five - error (w/ manual ann) (30)
 3838+5

Rosette sampling log mission 2005-04

Event Cast 21
 Station CB-5
 CTD Filename 200504-021

Date (UTC) 10.08.05
 UTC/Local time 10:13/
 CTD Operator HL/WJ

(1463 m/s soundspeed, w/o +9 hull correction)
 Depth 3843 In-air press 0.13 - 0.18
 Lat (N) 75°16.66N Ice (tenths) 4/10
 Lon (W) 153°14.83E Start Scan 8400

Samp #	Raw Nom Sal	Raw Nom Depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	C-13	FW-Alkalinity	SALINITY	NUTRIENTS	Bacteria	NH4	O18	Ba	TOTAL CHLa 0.7u	CDOM	I-129	CS-137	DIC	TOC
327	bot	3838	V1	✓✓				✓	3157				✓	✓										
328		3000	V2	✓✓				✓	3159				✓	✓			✓✓	✓✓						
329		2000	V3	✓✓				✓	3160				✓	✓										
330		1000	V4	✓✓	✓			✓✓	3161	3164 3165			✓	✓										
331	34.8	404	V5	✓✓	✓✓			✓	3171			✓	✓	✓			✓	✓						
332	34.6	312	V6	✓✓	✓			✓	3177			✓	✓	✓			✓	✓						
333	34.2	258	V7	✓✓				✓	2178			✓	✓	✓			✓	✓						
334	33.1	210	V8	✓✓	✓			✓	3179			✓	✓	✓			✓	✓						
335	32.3	105	V9	✓✓				✓	3180			✓	✓	✓			✓	✓						
336	chl max	43	10	✓✓				✓	3181			✓	✓	✓			✓	✓						
337	5		11	✓✓				✓	3182	3183	✓	✓	✓	✓	✓	✓	✓	✓						
			12																					
			13																					
			14																					
			15																					
			16																					
			17																					
			18																					
			19																					
			20																					
			21																					
			22																					
			23																					
			24																					

Comments :

40m from CB-4

problems with transmission at 260m - 370m (temp. gradient) OK
 up OK

3838+5

Rosette 1 five - error (w/ manual error)

(31)

Rosette sampling log mission 2005-04

Event 20
 Station CB-4
 CTD Filename 200504_020

Date (UTC) 2005/08/10
 UTC/Local time 0044/1844
 CTD Operator JE

(1463 m/s soundspeed, w/o +9 hull correction) Kudsen
 Depth 3830 In-air press -6.03/-0.1
 Lat (N) 74° 58.78' N Ice (tenths) 9
 Lon (W) 149° 56.10' W Start Scan 7600

Samp #	Raw Nom Sal	Raw Nom Depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	C-13	FW-Alkalinity	SALINITY	NUTRIENTS	Bacteria	NH4	O18	Ba	TOTAL CHLa 0.7u	CDOM	1-429	CS-137	DIC	TOC				
303	Bot	3820	✓1	✓✓	✓	7417	9822	✓	2007				✓	✓			✓✓	✓✓					✓	✓				
304		3000	✓2	✓✓					2014			✓	✓	✓										✓	✓			
305		2500	✓3	✓✓	✓	7504			2015															✓	✓			
306		2000	✓4	✓✓	✓	7372			2017			M											✓	✓				
307		1500	✓5	✓✓	✓	7627			2025			M												✓	✓			
308		1000	✓6	X✓	✓	7629		✓	2027	2034		M		✓✓										✓	✓			
309		800	✓7	X✓	✓	7357			2047			M													✓	✓		
310		600	✓8	X✓	✓	7488			2049			M													✓	✓		
311		500	✓9	✓✓	✓	7433			2051			M					✓	✓							✓	✓		
312	34.8	396	✓10	✓✓	✓	9875			2056			✓					✓								✓	✓		
313	34.6	361	✓11	✓✓	✓	7201			2057						✓		✓									✓	✓	
314	34.4	264	✓12	✓✓	✓	7350			2059								✓									✓	✓	
315	34.2	244	✓13	✓✓	✓	7475			2060					✓	✓	✓	✓							✓	✓	✓	✓	
316	34	230	✓14	✓✓	✓	7635			2061								✓										✓	✓
317	33.7	215	✓15	✓✓	✓	7676			2063																		✓	✓
318	33.4	199	✓16	✓✓	✓	7625			2064					✓			✓										✓	✓
319	33.1	186	✓17	✓✓	✓	7677			2068						✓	✓	✓										✓	✓
320	32.75	148	✓18	✓✓	✓	7634	71467		2069						✓		✓✓		✓								✓	✓
321	32.6	132	✓19	✓✓	✓	9830		✓	2073	2074								✓									✓	✓
322	32.3	106	✓20	✓✓	✓	7385			2084						✓	✓	✓										✓	✓
323	32	86	✓21	✓✓	✓	7223			2085																		✓	✓
324	chl Max	60	✓22	✓✓	✓	7552			2086						✓	✓	✓										✓	✓
325		25	✓23	✓✓	✓	7435			2087			✓	✓	✓	✓	✓	✓										✓	✓
326		5	24	✓✓	✓	7678		✓	2088		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						✓	✓	✓

Comments :

Stop @ 900m on down & up cast to change winch gears.
 Adjusting winch brake blun 900 & 1080m on downcast
 CFC # 7634 broken

Pressure spike @ 320m (& other data errors)

* - cap fell, seal knocked loose, touched w/ gloves to replace

(32)

Rosette sampling log mission 2005-04

Event 20
 Station CB-4
 CTD Filename 200504_020

Date (UTC) 2005/08/10
 UTC/Local time 0044/1844
 CTD Operator JE

(1463 m/s soundspeed, w/o ±0 hull correction) Rudson
 Depth 3830 In-air press -6.03 / -0.1
 Lat (N) 74° 58.78' N Ice (tenths) 9
 Lon (W) 149° 56.10' W Start Scan 7600

Samp #	Raw Nom Sal	Raw Nom Depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	C-13	FW-Alkalinity	SALINITY	NUTRIENTS	Bacteria	NH4	O18	Ba	TOTAL CHLa 0.7u	CPOM	I-129	CS-137	DIC	TOC	
303	Bot	3820	✓1	✓✓	✓	7417	9222	✓	2007				✓	✓			✓✓	✓✓					✓	✓	
304		3000	✓2	✓✓					2014			✓	✓	✓										✓	✓
305		2500	✓3	✓✓	✓	7509			2015															✓	✓
306		2000	✓4	✓✓	✓	7332			2017			M											✓	✓	
307		1500	✓5	✓✓		7627			2025			M													
308		1000	✓6	X✓	✓	7629		✓	2027	2044		M		✓✓											
309		800	✓7	X✓	✓	7357			2047			M													
310		600	✓8	X✓	✓	7482			2049			M													
311		500	✓9	✓✓	✓	7433			2051			M					✓	✓							
312	34.8	396	✓10	✓✓	✓	9825			2056			✓					✓								
313	34.6	361	✓11	✓✓	✓	7201			2057						✓		✓								
314	34.4	264	✓12	✓✓	✓	7350			2059								✓								*
315	34.2	244	✓13	✓✓	✓	7475			2060					✓	✓	✓	✓						✓	✓	
316	34	230	✓14	✓✓	✓	7635			2061								✓								
317	33.7	215	✓15	✓✓	✓	7676			2063																
318	33.4	199	✓16	✓✓	✓	7625			2064				✓				✓								
319	33.1	186	✓17	✓✓	✓	7677			2068						✓	✓	✓								
320	32.75	148	✓18	✓✓	✓	7634	HA60		2069						✓		✓✓		✓						
321	32.6	132	✓19	✓✓	✓	9830		✓	2073	2074								✓							
322	32.3	106	✓20	✓✓	✓	7385			2084						✓	✓	✓								
323	32	86	✓21	✓✓	✓	7223			2085																
324	chl A	60	✓22	✓✓	✓	7552			2086						✓	✓	✓								
325		25	✓23	✓✓	✓	7435			2087				✓	✓	✓	✓	✓								
326		5	✓24	✓✓	✓	7674		✓	2088		✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓	

Comments :

Stop @ 900m as winch up and to change winch gears.
 Adjusting winch brake btwn 900 & 1080m as direct
 @ 1080 broken

Pressure spike @ 320m (& other data errors)

* - cap fell, seal knocked loose
 touched w/ gloves to replace

33

Rosette sampling log mission 2005-04

Event 19
 Station C83
 CTD Filename 200504-019 / 019a / 19b

Date (UTC) 2005-08-09
 UTC/Local time 02:58:47 / 20:58:47
 CTD Operator JE

Vessel CCGS Louis S. St-Laurent Knudsen
 Water depth (m) 3830 (1463 m/s soundspeed, w/o +9 hull correction)
 Position (N, W) 74°11.23'N 149°44.99'W
 Start / End Pressure -0.05 / -0.12

3818 CTD+alt.
 Ice (tenths) 6
 Start Scan 9300 / 0 / 0

Samp #	Raw Nom Sal	Raw Nom Depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	C-13	FW-Alkalinity	FW-Aik DUP	DIC	DIC dup	TOC	TOC dup	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	Bacteria	NH4	NH4 DUP	O18	O18 DUP	Ba	Ba DUP	TOTAL CHLa 0.7u	TOTAL CHLa 0.7u DUP	CDOM	I-129	Cs-137	
		3812																																
279		Bot	✓1	✓✓	✓	7353		✓										✓✓		✓✓					✓✓		✓✓						✓	
280		3000	✓2	✓✓	✓✓	7357	9830					✓																						
281		2500	✓3	✓✓	✓*	7624																												
282		2000	✓4	✓✓	✓	7678																												
283		1500	✓5	✓✓	✓	7625																												
284		1000	✓6	✓✓	✓	7488		✓✓													✓✓✓													
285		800	✓7	✓✓	✓	7350													✓															
286		600	✓8	X✓				✓																										
287		500	✓9	✓✓	✓	7634																			✓		✓							
288	348	403	✓10	✓✓	✓✓	7467	7201															✓	✓		✓									
289	346	299	✓11	✓✓	✓	7383						✓												✓										
290	344	267	✓12	✓✓	✓	7635																												
291	34.2	244	✓13	✓✓	✓*	7166															✓													
292	34	230	✓14	✓✓	✓	7629																		✓										
293	33.7	216	✓15	✓✓	✓	7433																												
294	33.4	200	✓16	✓✓	✓*	7637															✓			✓										✓
295	Tmin	178	✓17	✓✓	✓	7475																✓	✓✓	✓										✓
296	32.75	150	✓18	✓✓																		✓		✓✓										
297	32.6	135	✓19	✓✓	✓	7676																												
298	32.3	109	✓20	✓✓																		✓	✓✓	✓										
299	32	90	✓21	✓✓	✓	7627		✓																✓										
300	Altby	58	✓22	✓✓	✓*																	✓	✓	✓										
301		25	✓23	✓✓																		✓		✓										
302		5	✓24	✓✓	✓	9825		✓			✓	✓										✓	✓✓	✓	✓	✓	✓	✓						

comm error on firing 1st bottle.

No dup. Sample on bot. 15 of Bariums

(34)

Comments: sal @ 6m 26.5
 DD sensor stuck @ 6.15 until ~ 560 m then changed to 4.64 - changes when seasoft opens
 Switch winch gears @ 900m
 Winch brake on somewhat stops juddering at depth. - altimeter came on @ 92m
 New display window. Reboot PC @ 900m, next file 200504-19a. 19b starts @ surface again up from 900m

Rosette sampling log mission 2005-04

Event 18
 Station CB3
 CTD Filename 200504-018

Date (UTC) 2005-08-08
 UTC/Local time 2113/1513
 CTD Operator JE

Vessel CCGS Louis S. St-Laurent Knudsen
 Water depth (m) 3830m (4463 m/s soundspeed, w/o +0 hull correction)
 Position (N, W) 74° 00.22'N 149° 57.54'W
 Start / End Pressure -0.03 / -0.06

Cesium
 cast
 Ice (tenths) 9+
 Start Scan 7000

Samp #	Raw Nom Sal	Raw Nom Depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	C-13	FW-Alkalinity	FW-AIK DUP	DIC	DIC dup	TOC	TOC dup	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	Bacteria	NH4	NH4 DUP	O18	O18 DUP	Ba	Ba DUP	TOTAL CHLa 0.7u	TOTAL CHLa 0.7u DUP	CDOM	I-129	Cs-137				
259		1000	1	✓						DUMPED																											
260			2	✓						DUMPED																											
261			3	✓						DUMPED																											
262		↓	4	✓	✓	9822	9822											✓																✓			
263		800	5	✓	✓																																
264			6	✓	✓																																
265			7	X	✓					DUMPED																											
266		↓	8	X	✓	7447	7447											✓																	✓		
267		600	9	✓	✓																																
268	oxy		10	✓	✓																																
269	max		11	✓	✓					DUMPED																											
270	~60		12	✓	✓	7435	7435											✓																		✓	
271		430	13	✓	✓																																
272	max		14	✓	✓																																
273			15	✓	✓					DUMPED																											
274		↓	16	✓	✓	7332	7332											✓																			
275		221	17	✓	✓																																
276	33.5		18	✓	✓																																
277			19	✓	✓					DUMPED																											
278		↓	20	✓	✓	7677												✓																		✓	
			21																																		
			22																																		
			23																																		
			24																																		

Comments: stopped @ 327 m on way down to diagnose xmissometer wires came up to 280, stopped xmiss came up to normal started down & it went down to 877 Started ~ 15 wraps from end of lay, ended ~ 9 wraps beyond. Stop at bottle depths for 2 min. xmissometer @ 877 on upcast blun 180 & 80m.

(35)

Rosette sampling log mission 2005-04

Event 17
 Station CB2
 CTD Filename 200504-017

Date (UTC) 08.08.05
 UTC/Local time 08:26
 CTD Operator _____

Vessel CCGS Louis S. St-Laurent
 Water depth (m) 73 (1463 m/s soundspeed, w/o +9 hull correction)
 Position (N, W) 73° 0.12 148° 58.45'
 Start / End Pressure -0.05 -0.14

* * * Depth 3670m
based on last yrs
cast
 Ice (tenths) _____
 Start Scan 5600

Samp #	Raw Nom Sal	Raw Nom Depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	C-13	FW-Alkalinity	FW-Aik DUP	DIC	DIC dup	TOC	TOC dup	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	Bacteria	NH4	NH4 DUP	O18	O18 DUP	Ba	Ba DUP	TOTAL CHLa 0.7u	TOTAL CHLa 0.7u DUP	CDOM	I-129	Cs-137	
235		But	v 1	✓✓				✓	2007									✓✓		✓✓				✓✓		✓								
236		3000	v 2	✓✓	✓	7678			2014			✓																						
237		2500	v 3	✓✓	✓✓	9825	7676		2015																									
238		2000	v 4	✓✓					2017																									
239		1500	v 5	✓✓	✓	7637			2025																									
240		1000	v 6	✓✓	✓	7475		✓✓	2027	2033										✓✓														
241		800	v 7	✓✓	✓	7624			2044																									
242		600	v 8	X✓					2047																									
243		500	v 9	✓✓	✓	7635			2049																									
244	348	388	v 10	✓✓	✓	7625			2051									✓				✓												
245	346	272	v 11	✓✓	✓	7634			2056			✓																						
246	344	242	v 12	✓✓	✓	9830			2057																									
247	342	220	13	✓✓	✓	7353			2059													✓												
248	34	211	14	✓✓	✓	7627			2060																✓									
249	33.7	193	15	✓✓	✓	7467		✓	2061	2063																								
250	33.4	178	16	✓✓	✓	7552			2064											✓✓					✓									
251	33.1	160	17	✓✓	✓	7201	7166		2068													✓	✓		✓									
252	32.8	124	18	✓✓					2069													✓			✓✓									
253	32.6	107	19	✓✓	✓	7423			2073																									
254	32.3	83	20	✓✓					2074													✓	✓		✓		✓✓							
255	32	68	21	✓✓	✓	7629		✓	2084	2085																								
256	ChlA	55	22	✓✓	✓	7223			2086													✓	✓		✓									
257		25	23	✓✓					2087													✓			✓									
258		5	24		✓	7357		✓	2088		✓	✓										✓	✓		✓									

Comments :

H42

max depth 3564
 no bottom.

problems with the winch

Rosette sampling log mission 2005-04

Event 016
 Station B53-D
 CTD Filename 200504-016.d

Date (UTC) 2005-08-08
 UTC/Local time 1920 / 1320
 CTD Operator JE

Vessel CCGS Louis S. St-Laurent CTD depth + altimeter
 Water depth (m) 3115 (1463 m/s soundspeed, w/o +9 hull correction)
 Position (N, W) 72° 00.22' N 150° 00.02' W
 Start / End Pressure -0.1 / -0.1

Ice (tenths) 9+
 Start Scan 8700

Samp #	Raw Nom Sal	Raw Nom Depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	C-13	FW-Alkalinity	FW-AIK DUP	DIC	DIC dup	TOC	TOC dup	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	Bacteria	NH4	NH4 DUP	O18	O18 DUP	Ba	Ba DUP	TOTAL CHLa 0.7u	TOTAL CHLa 0.7u DUP	CDOM	I-129	Cs-137	
211		Bot 3108	1	✓				✓	3157	3159								✓		✓														
212		3000	2	✓					3160			✓											✓		✓		✓							
213		2500	3	✓		7167	7166		3161																									
214		2000	4	✓																														
215		1500	5	✓					3166																									
216		1000	6	✓		7552			3171												✓													
217		800	7	✓		7504			3174																									
218		600	8	✓		7353			3177																									
219		500	9	✓		7332			3178																✓		✓							
220	34.8	385	10	✓		7448			3179									✓				✓		✓		✓								
221	34.6	250	11	✓		9383			3180			✓								✓		✓		✓		✓								
222	34.4	218	12	✓		7435			3181																									
223	34.2	200	13	✓					3182													✓	✓											
224	34	190	14	✓		9822	7201		3183															✓										
225	33.7	177	15	✓		7629			3186																									
226	33.4	164	16	✓		X not taken		✓	3187	3188														✓										
227	33.1	144	17	✓		7357			3189													✓	✓	✓		✓								
228	32.75	108	18	✓					3190													✓	✓	✓		✓								
229	32.6	94	19	✓		7417			3191													✓	✓	✓		✓								
230	32.3	75	20	✓					3192													✓	✓	✓		✓								
231	32	63	21	✓		7433			3193													✓	✓	✓		✓								
232	chl Max	55	22	✓				✓	3194	3196												✓	✓	✓	✓									
233		25	23	✓					3198										✓			✓	✓	✓		✓								
234		5	24	✓		7223		✓	3199		✓	✓						✓		✓	✓	✓	✓		✓									

Comments: 26.5 surface sal ↑ stop @ 900m down & up to change winch gears. ↑
 bottle to moved down fr. 348 to catch xmissometer minimum. altimeter out in @ 27m off bottom

Rosette sampling log mission 2005-04

Event 015
 Station B53-C
 CTD Filename 200504-015

Date (UTC) 07.08.05
 UTC/Local time 14:45
 CTD Operator _____

Vessel CCGS Louis S. St-Laurent
 Water depth (m) 2462 (1463 m/s soundspeed, w/o +9 hull correction)
 Position (N, W) 71°47.75'N 150°50.48'W
 Start / End Pressure -0.12 -0.17

Profile ~ 2500m
 past the BC? maybe not?
 Ice (tenths) 9110
 Start Scan 5400

Samp #	Raw Nom Sal	Raw Nom Depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	C-13	FW-Alkalinity	FW-AIK DUP	DIC	DIC dup	TOC	TOC dup	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	Bacteria	NH4	NH4 DUP	O18	O18 DUP	Ba	Ba DUP	TOTAL CHLa 0.7u	TOTAL CHLa 0.7u DUP	CDOM	I-129	Cs-137
188		Bot	V1	✓✓	✓	7627	7676	✓	2057									✓		✓				✓	✓	✓	✓						
189		2000	V2	✓✓				✓	2059	2060										✓			✓	✓									
190		1500	V3	✓✓					2061			✓	✓																				
191		1200	V4	✓✓	✓	7637		✓	2061																								
192		1000	V5	✓✓	✓	9825		✓	2063												✓	✓											
193		800	V6	✓✓	✓	9830		✓	2064																								
194		600	V7	✓✓	✓	7467		✓	2068																								
195	VX	500	V8																						✓		✓						
196	✓✓	341.8	V9	335	✓	7678		✓	2069																✓		✓						
197	✓✓	341.6	10	235								✓										✓	✓	✓	✓		✓						
198	✓✓	341.4	11	203	✓	7624		✓	2073																		✓						
199	✓✓	341.2	12	190	✓	7634		✓	2074														✓	✓			✓						
200	✓✓	34	13	180																					✓		✓						
201	✓✓	33.8	14	172	✓	7635																					✓						
202	✓✓	33.4	15	156									✓												✓		✓						
203	✓✓	33.1	16	143	✓	7625	7350	✓	2084														✓	✓	✓		✓						
204		32.8	17	122																			✓	✓	✓		✓						
205	✓✓	32.6	18	106				✓	2085																		✓						
206	✓✓	32.3	19	85	✓	7475		✓	2087	2086												✓	✓	✓	✓		✓						
207	✓✓	32	20	68																✓							✓						
208	✓✓	OMM	21	50	✓	7223																✓	✓	✓	✓		✓						
209	✓✓	25	22																				✓	✓	✓		✓						
210		5	23		✓	X		✓	2088		✓	✓								✓		✓	✓	✓		✓							
211			24																								✓	✓					

Comments :

13 14 2 files: 200504-015 and 200504-075up 8 2

Rosette sampling log mission 2005-04

Event 014
 Station B53-B
 CTD Filename 200504-014

Date (UTC) 07.08.05
 UTC/Local time 17:08
 CTD Operator NW

Vessel CCGS Louis S. St-Laurent
 Water depth (m) 1513 (1463 m/s soundspeed, w/o +9 hull correction)
 Position (N, W) 71° 32' 47" 151° 29' 35"
 Start / End Pressure -0.12' -0.11'

Boundary comment? Profile cast ~1500
 Ice (tenths) 3/5
 Start Scan 4800-9800

Samp #	Raw Nom Sal	Raw Nom Depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	C-13	FW-Alkalinity	FW-AIK DUP	DIC	DIC dup	TOC	TOC dup	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	Bacteria	NH4	NH4 DUP	O18	O18 DUP	Ba	Ba DUP	TOTAL CHLA 0.7u	TOTAL CHLA 0.7u DUP	CDOM	I-129	Cs-137	
167		Bot	v1	✓✓	✓	7629		✓✓										✓		✓				✓	✓	✓	✓							
168		1200	v2	✓✓		7108		✓				✓	✓						✓				✓	✓										
169		1000	v3	✓✓	✓	7166	7552														✓													
170		800	v4	✓✓	✓	7350																												
171		600	v5	✓✓	✓	7504																												
172		500	v6	✓✓	✓	7678																			✓		✓							
173	34.8	357	v7	✓✓	✓	7822	7677																		✓		✓							
174	34.6	260	v8	✓x	✓	7201						✓									✓	✓	✓		✓		✓							
175	34.4	230	v9	✓✓	✓	7498	7478																				✓							
176	34.2	215	v10	✓✓	✓x	7357							✓									✓	✓		✓		✓							
177	34	208	v11	✓✓	✓	7383																					✓							
178	33.8	199	v12	✓✓	✓	7332																	✓		✓		✓							
179	33.4	188	v13	✓✓																							✓							
180	33.1	175	v14	✓✓	✓	7377	7353															✓	✓	✓	✓		✓							
181	32.8	167	v15	✓✓																		✓	✓		✓		✓							
182	32.6	150	v16	✓✓	✓	7433																					✓							
183	32.3	82	v17	✓✓																		✓	✓		✓		✓							
184	32	33	18	✓✓	✓	7435																			✓		✓							
185	chl	30	19	✓✓																		✓	✓	✓	✓		✓							
186	25		20	✓✓																		✓	✓	✓	✓		✓							
187	48		21		✓						✓	✓							✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
187	5		22	✓✓	✓	7417		✓			✓	✓						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
			23																															
			24																															

Comments: Surface salinity → communication error - bottle 25 closed. we repeat cast. no Cl max

1513 (max?)

Rosette sampling log mission 2005-04

Cesium cast ~1500

Event 013
 Station B53-B
 CTD Filename 200504-013

Date (UTC) 2005-08-07
 UTC/Local time 0448/0248
 CTD Operator JE

Vessel CCGS Louis S. St-Laurent
 Water depth (m) >1500 (1463 m/s soundspeed, w/o +9 hull correction)
 Position (N, W) 71° 34.79' N 151° 31.05' W
 Start / End Pressure -0.1 / -0.1

Ice (tenths) 8
 Start Scan 5800

Samp #	Raw Nom Sal	Raw Nom Depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	C-13	FW-Alkalinity	FW-AIK DUP	DIC	DIC dup	TOC	TOC dup	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	Bacteria	NH4	NH4 DUP	O18	O18 DUP	Ba	Ba DUP	TOTAL CHLa 0.7u	TOTAL CHLa 0.7u DUP	CDOM	I-129	Cs-137				
147		1000	✓1																																		
148		↓	✓2																																		
149		↓	✓3						DUMPED																												
150		↓	✓4															✓																			
151		800	✓5																																		
152		↓	✓6																																		
153		↓	✓7						DUMPED																												
154		↓	✓8															✓																			
155	oxmax	600	✓9 X																																		
156	not		✓10																																		
157	find		✓11						DUMPED																												
158	↓		✓12															✓																			
159	max	377	✓13																																		
160	↓		✓14																																		
161	↓		✓15						DUMPED																												
162	↓		✓16															✓																			
163		180	✓17																																		
164		↓	✓18																																		
165		↓	✓19						DUMPED																												
166		↓	✓20															✓																			
			21																																		
			22																																		
			23																																		
			24																																		

Comments: oxygen max @ 1000 or below. No sounder trace.
 If we need to get rid of Cs sampls, 600m is a good candidate.
 2 minute wait, then trip

3846