

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 002
 Station DU02
 Latitude 68 48.15'N

Water depth 63
 Cast depth 62
 Longitude 114 00.20'W

Date 2003/08/31 UTC
 Local time (Time Zone) _____
 UTC time (start) 0018

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
	DU02	6	8-3		1	✓				✓	3206	8.006	✓		T	T	T	T		
		7	50		2	✓				✓	3203	7.777	✓		T	T	T	T		
		8	20		3	✓				✓	3202	7.666	✓		T	T	T	T		
		9	5		4	✓				✓	3201	7.439	✓		✓	✓	✓	✓		
					5															
					6															
					7															
					8															
					9															
					10															
					11															
					12															

Comments : Rosette hit bottom.

Sample 6 was titrated with wrong flask #
Sample 6 & 7 titrations stored in Cast 1.02 file

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 003
 Station Duob
 Latitude 69 06.1'N

Water depth 117
 Cast depth 115
 Longitude 115 24.0'W

Date 2003 Aug 31
 Local time (Time Zone) 2033 PDT
 UTC time (start) 0333

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		10	110	115.4	1	✓				✓	3199	6.322	✓		✓		✓	✓		
		11	100	100	2	✓				✓	3198	6.336	✓		✓		✓	✓		
		12	75	75	3	✓				✓	3196	6.603	✓		✓		✓	✓		
		13	50	50	4	✓				✓	3207	✓	✓		✓		✓	✓		
		14	20	20	5	✓				✓	3204	7.972	✓		✓		✓	✓		
		15	5	5	6	✓				✓	3200	7.695	✓		✓		✓	✓		
					7															
					8															
					9															
					10															
					11															
					12															

Comments : All DO values wrong- wrong flask #'s used to titrate
Sample 13 - autoxxy died while end-point determination was being done- subscript out of range

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 004
 Station DU04
 Latitude 69 12.04

Water depth 232
 Cast depth 225
 Longitude 117 00.47

Date 2003 Aug 31
 Local time (Time Zone) 2356 PDT
 UTC time (start) 0656

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		17	225	225.6	1	✓				✓	3194	5.315	✓		✓	✓	✓	✓		
		18	200	200	2	✓				✓	3193	5.178	✓		✓	✓	✓	✓		
		19	175	175	3	✓				✓	3192	5.641	✓		✓	✓	✓	✓		
		20	150	150	4	✓				✓	3191	6.421	✓		✓	✓	✓	✓		
		21	125	124	5	✓				✓	3190	6.740	✓		✓	✓	✓	✓		
		22	100	100	6	✓				✓	3189	6.991	✓		✓	✓	✓	✓		
		23	75	75	7	✓				✓	3188	8.070	✓		✓	✓	✓	✓		
		24	50	50	8	✓				✓	3187	8.550	✓		✓	✓	✓	✓		
	*	25	20	20	9	✓				✓	3186	7.717	✓		✓	✓	✓	✓		
		26	5	5	10	✓				✓	3183	7.886	✓		✓	✓	✓	-		
					11															
					12															

Comments : * No bottle closure logged for Position #9, but bottle taken
 Ninth entry in ROS file is actually for tenth bottle. There is no entry for 9th bottle

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 005
 Station CP05
 Latitude 69 39.22

Water depth 523
 Cast depth 520
 Longitude 118 35.43

Date 2003 Aug 31
 Local time (Time Zone) 0405 PDT
 UTC time (start) 1105

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		27	Bo-3	✓	1	✓				✓	3182	5.033	✓	✓	✓	✓	✓	✓		
		28	400	✓	2						3181	5.269								
		29	300		3						3180	5.356								
		30	250		4						3179	5.613								
		31	225		5						3178	5.587								
		32	175		6						3177	6.137								
		33	150		7						3174	6.649								
		34	125		8						3171	7.124								
		35	100		9						3166	7.663								
		36	75		10						3164	8.001								
		37	50		11						3162	9.204								
		38	5		12	✓				✓	3161	8.549	✓		✓	✓	✓	✓		

Comments :

DO values derived with wrong flask #'s 1340-1351

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 006 & 007
 Station DT05
 Latitude 69 58.79 (C)
69 58.81 (7)

Water depth 485
 Cast depth 484 db
 Longitude 120 04.64 (6)
120 04 68 (7)

Date 2003 Aug 31
 Local time (Time Zone) 0818 PDT
 UTC time (start) (6) 1518 / 1533 (7)

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
6		39	Bo-3	484	1	✓				✓	3160	5499	✓	✓	✓	✓	✓	✓		
		40	400	400	2	✓					3159	5235								
		41	300	300	3	✓					3157	4907								
		42	250	250	4	✓					3153	5242								
		43	225	225	5	✓					3142	5538								
		44	175	175	6	✓					3137	✓								
		45	150	150	7	✓					3136	6294								
		46	125	125	8	✓					3135	6880								
✓		47	100	100	9	✓					3130	6701								
6		48	75	75	10	✓					3128	6837								
7	*	49	50	50	11	X	Slow drip				3126	9210								
7	*	50	5	5	12	✓				✓	3124	8725	✓		✓	✓	✓	✓		

Comments : Probably landed rosette — no touch down signal

CTD data stream lost at Bottle 10

CTD brought to surface manually — all bottles closed

Rearm #11 & #12

* Second drop for #11 & #12 (Event No 007), but specifying #11 on JBE33 did not close #11. This was evident from visual inspection just below surface. Nos 3-10 were triggered at 5m. Rosette was dropped back to 50m, & #11, #12 were acquired on upcast

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 008
 Station AGT4
 Latitude 70 14.95

Water depth 432
 Cast depth 426
 Longitude 121 40.08

Date 2003 Aug 31
 Local time (Time Zone) 1229 PDT
 UTC time (start) 1929

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		51	430	426	1	✓					3124	6.040								
		52	300	300	2	✓					3123	5.446								
		53	250	250	3	✓					3121	5.510								
		54	225	225	4	✓					3119	5.583								
		55	200	200	5	✓					3118	5.636								
		56	175	174	6	✓					3116	5.505								
		57	150	150	7	✓					3113	6.085								
		58	125	125	8	✓					1486	6.673								
		59	100	100	9	✓					1485	6.196								
		60	75	75	10	✓					1484	6.230								
		61	50	50	11	✓					1483	7.208								
		62	5	5	12	✓					3207	8.434								

Comments : X Bottle 11 has slow drip at lower 'O' ring seal

DO titration done with wrong flask #'s

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 009
 Station AG05
 Latitude 70 36.63

Water depth 585 (shoal during cast)
 Cast depth 548
 Longitude 122 55.66

Date 2003 Aug 31
 Local time (Time Zone) 1600 PDT
 UTC time (start) 2300

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		63	550	548	1						3206	5586								
		64	500	500	2						3203	5623								
		65	400	400	3						3202	5351								
		66	300	300	4						3201	5619								
		67	250	248	5						3199	5496								
		68	225	225	6						3198	5409								
		69	175	175	7						3196	5277								
		70	150	150	8						2209	5558								
		71	125	124	9						3200	—								
		72	100	100	10						3194	5730								
		73	50	50	11	x					3204	7.384								
		74	5	4	12						3193	7816								

Comments : x Bottle 11 slow leak

Do titration done with wrong flask #s 1340-1351

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 010
 Station AGT
 Latitude 70° 59.04

Water depth 354
 Cast depth 348
 Longitude 125° 10.80

Date 2003 Aug 31
 Local time (Time Zone) 2042 PDT
 UTC time (start) 0342

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		75	320	348	1						3192	5.775								
		76	250	250	2						3191	4.881								
		77	225	225	3						3190	4.912								
		78	200	200	4						389	5.541								
		79	175	174	5						3188	5.781								
		80	150	150	6						3187	6.036								
		81	125	125	7						3186	6.281								
		82	100	100	8						3183	7.136								
		83	75	75	9						3182	6.249								
		84	50	50	10						3181	7.079								
		85	20	20	11						3180	9.986								
		86	5	6	12						3109	9.022								

Comments : DO titration done with wrong flask #s 1340-1351

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 011
 Station ACT3
 Latitude 71 26.525

Water depth 454
 Cast depth 448
 Longitude 126 20.223

Date 2003 Sep 1
 Local time (Time Zone) 0202 PDT
 UTC time (start) 0902

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		87	60-3	448	1	✓				✓	3179	6.759	✓		✓	✓	✓	✓		
		88	400		2						3178	6.388								
		89	300		3						3177	5.567								
		90	250		4						3171	5.835								
		91	225		5						3166	5.818								
		92	175		6						3164	5.624								
		93	150		7						3162	6.018								
		94	125		8						3161	6.917								
		95	100		9						3160	6.944								
		96	75		10						3159	6.877								
		97	50		11						3157	7.815								
		98	5		12					✓	3153	8.785								

Comments : Do filtration done with wrong flasks : used A 1340-1351

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 012
 Station CK5
 Latitude 71° 52.66' N

Water depth 419
 Cast depth 412
 Longitude 127° 37.43'

Date 2003 Sep 1
 Local time (Time Zone) 1059 PDT
 UTC time (start) 1759

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		99	B-3	412	1	✓	✓			✓	3171	6.419	✓	✓	✓	✓	✓	✓		
		100	400	380	2	✓	✓			✓	3151	5.846	✓	✓	✓	✓	✓	✓		
		101	300	299	3	✓	✓		5.493	✓	3142/3137	5.294	✓	✓	✓	✓	✓	✓		
		102	250	250	4	✓	✓			✓	3136	5.557	✓	✓	✓	✓	✓	✓		
		103	225	225	5	✓	✓			✓	3135	5.600	✓	✓	✓	✓	✓	✓		
		104	175	175	6	x	✓			✓	3130	6.085	✓	✓	✓	✓	✓	✓		
		105	150	150	7	✓	✓			✓	3128	6.277	✓	✓	✓	✓	✓	✓		
		106	125	124	8	✓	✓			✓	3126	6.748	✓	✓	✓	✓	✓	✓		
		107	100	100	9	✓	✓			✓	3124	6.573	✓	✓	✓	✓	✓	✓		
		108	75	75	10	✓	✓			✓	3123	7.093	✓	✓	✓	✓	✓	✓		
		109	50	50	11	x	✓			✓	3121	9.022	✓	✓	✓	✓	✓	✓		
		110	5	5.7	12	✓	✓			✓	3119	8.842	✓	✓	✓	✓	✓	✓		

Comments : Bottles 6 & 11 had slow drips at lower end cap

DO titration done with wrong flask #5 : 1340-1352

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 017
 Station B2
 Latitude 72 09.38

Water depth 366
 Cast depth 361
 Longitude 129 39.67

Date 2003-09-05
 Local time (Time Zone) _____
 UTC time (start) 2024

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
	B2	115	80-4	361	1					✓	3164	6.898	✓	✓	✓	✓	✓	✓		
		116	300		2						3165	6.385								
		117	250		3						3174	5.625								
		118	225		4						3171	5.794								
		119	200		5						3177	5.239								
		120	175		6	X					3178	5.872								
		121	150		7						3179	5.661								
		122	125		8						3153	5.976								
		123	100		9						3157	6.497								
		124	75		10						3159	6.646								
		125	50		11	X					3160	6.624								
		126	5		12					✓	3161	7.545								
											3162	8.846	✓		✓	✓	✓	✓		

Comments : Bottles 6 & 11 leaked slightly

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 018
 Station 5021
 Latitude 71 58.06

Water depth 786
 Cast depth 786
 Longitude 130 50.86

Date 2003-09-06
 Local time (Time Zone) _____
 UTC time (start) 0700

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		127	R-3	786	1					✓	3136	6.847	✓	✓						
		128	600		2						3137	6.782								
		129	400		3						3142	6.645								
		130	300		4						3151	6.406								
		131	250		5						3135	6.087								
		132	225		6	✓					3119 3121	6.080 6.086								
		133	175		7						3123	6.142								
		134	150		8						3124	6.475								
		135	125		9						3126	6.769								
		136	100		10						3128	7.166								
		137	50		11	✗					3130	8.531								
		138	5		12					✓	3118	8.753	✓		✓	✓	✓	✓		

Comments : Squeeze a bunch of styrofoam cups

Very slow leak on 6, just slow on 11.

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 22
 Station KUC 01
 Latitude 70° 52.80' N

Water depth 59
 Cast depth 59
 Longitude 130° 50.39' W

Date 2003-09-07
 Local time (Time Zone) _____
 UTC time (start) 04:09

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		142	B-2	59	1		✓			✓	3179	7488	✓		✓	✓	✓	✓		
		143	50		2		✓			✓	3178	7349	✓		✓	✓	✓	✓		
		144	40		3		✓			✓	3177	7342	✓		✓	✓	✓	✓		
		145	25		4		✓			✓	3174	7554	✓		✓	✓	✓	✓		
		146	15		5		✓			✓	3171	7482	✓		✓	✓	✓	✓		
		147	5		6	X	✓			✓	3166	8939	✓	✓	✓	✓	✓	✓		
					7															
					8															
					9															
					10															
					11															
					12															

Comments : _____

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 23
 Station KUGOZ
 Latitude 70° 52.10' N

Water depth 43
 Cast depth 43
 Longitude 130 52.04' W

Date 2003-09-07
 Local time (Time Zone) _____
 UTC time (start) 06:51

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		148	8-2	43	1	✓	✓						✓							
		149	35	35	2	↓	↓						↓							
		150	25	24	3	↓	↓						↓							
		151	15	14	4	↓	↓						↓							
		152	5		5	↓	↓						↓							
					6															
					7															
					8															
					9															
					10															
					11															
					12															

Comments :

Rosette sampling log mission 2003 -19CCGS Sir Wilfrid Laurier

Event # 24
Station KUG03
Latitude 70° 52.55' N

Water depth 37
Cast depth 38
Longitude 130 50 43 W

Date 2003-09-07
Local time (Time Zone) _____
UTC time (start) 07:17

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		153	B-2	38	1		✓	7475					✓							
		154	30	32	2		✓	9821					✓							
		155	25		3		✓	7637					✓							
		156	15		4		✓	7677					✓							
		157	5		5		✓	7678					✓							
					6															
					7															
					8															
					9															
					10															
					11															
					12															

Comments : _____

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 25
 Station KUG04
 Latitude 70° 52.86'N

Water depth 58
 Cast depth 58
 Longitude 130° 50 10'W

Date 2003-09-08
 Local time (Time Zone) _____
 UTC time (start) 01:16

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		158	B-2	58	1	✓	✓						✓							
		159	50		2	↓	↓						↓							
		160	35		3	↓	↓						↓							
		161	25		4	↓	↓						↓							
		162	15		5	↓	↓						↓							
		163	5		6	↓	↓						↓							
					7															
					8															
					9															
					10															
					11															
					12															

Comments : Bot 6 had O-ring re-seated, did not leak.

Rosette sampling log mission 2003 -19CCGS Sir Wilfrid Laurier

Event # 26
Station KUG.06
Latitude 70° 53.88'

Water depth 41
Cast depth 41
Longitude 130 46 08' W

Date 2003-09-08
Local time (Time Zone) _____
UTC time (start) 05:18

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		164	B0-2	41	1	✓	✓						✓							
		165	35		2	✓	✓						✓							
		166	25		3	✓	✓						✓							
		167	15		4	✓	✓						✓							
		168	5		5	✓	✓						✓							
					6															
					7															
					8															
					9															
					10															
					11															
					12															

Comments : _____

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 27
 Station KUG 05
 Latitude 70° 51.30' N

Water depth 42
 Cast depth 42
 Longitude 130° 54.16' W

Date 2003-09-08
 Local time (Time Zone) _____
 UTC time (start) 06:04

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		169	B-2	42	1		✓						✓							
		170	36		2		↓						↓							
		171	25		3															
		172	15		4															
		173	5		5	x	↓						↓							
					6															
					7															
					8															
					9															
					10															
					11															
					12															

Comments : Bot 5 slight leak - bottle o-ring

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 31
 Station BG01
 Latitude 70° 48 02' N

Water depth 49
 Cast depth 48
 Longitude 131° 47.74' W

Date 2003-09-09
 Local time (Time Zone) _____
 UTC time (start) 02:43

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		174	B0-2	48	1	✓	✓			✓	3164	8.071	✓		✓	✓				
		175	45		2						3162	7.621								
		176	42		3						3161	7.822								
		177	38		4						3160	7.997								
		178	34		5						3159	8.136								
		179	30		6						3157	8.255								
		180	25		7						3153	8.658								
		181	20		8						3151	8.826								
		182	15		9						3142	9.172								
		183	10		10	✓	✓			✓	3137	8.607	✓		✓	✓	✓	✓		
		—	5		11															
		184	5		12	✓	✓			✓	3136	8.541	✓		✓	✓	✓	✓		

Comments :

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 32
 Station VC19
 Latitude 70° 40 76' N

Water depth 35
 Cast depth
 Longitude 132° 37.99' W

Date 2003-09-19
 Local time (Time Zone)
 UTC time (start) 16:52

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		185	B-3	34	1	✓	✓						✓							
		186	30		2	✓	✓													
		187	25		3	✓	✓						✓							
		188	15		4	✓	✓													
		189	5		5	✓	✓						✓							
					6															
					7															
					8															
					9															
					10															
					11															
					12															

Comments : Bottle 9 showed a trip light on the deck unit but did not actually fire.

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 33
 Station VC18
 Latitude 70° 40.78

Water depth 40
 Cast depth 40
 Longitude 132° 39.26'W

Date 2003-09-09
 Local time (Time Zone) _____
 UTC time (start) 07:15

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		190	B-3	40	1	✓	✓						✓	✓						
		191	35		2	↓	↓													
		192	30		3	↓	↓						✓							
		193	15		4	↓	↓													
		194	5		5	↓	↓						✓							
					6															
					7															
					8															
					9															
					10															
					11															
					12															

Comments : _____

Rosette sampling log mission 2003 -19CCGS Sir Wilfrid Laurier

Event # 37
Station AF2
Latitude 70° 40.78' N

Water depth 22
Cast depth 18
Longitude 132° 38.48' W

Date 9 Sep 2003
Local time (Time Zone) PDT
UTC time (start) 03:06

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		195	Bo-2	18	1		✓													
		196	Bo-5	15	2		✓													
		197	5		3		✓													
					4															
					5															
					6															
					7															
					8															
					9															
					10															
					11															
					12															

Comments : _____

Rosette sampling log mission 2003 -19CCGS Sir Wilfrid Laurier

Event # 38
Station AF1
Latitude 70° 41.07' N

Water depth 46
Cast depth 42
Longitude 132° 38.58' W

Date 2003-09-10
Local time (Time Zone) _____
UTC time (start) 0331

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		198	B-2	42	1		✓						✓							
		199	B-5	39	2		✓						✓							
		200	20		3		✓													
		201	5		4		✓						✓							
					5															
					6															
					7															
					8															
					9															
					10															
					11															
					12															

Comments : _____

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 39
 Station AF3
 Latitude 70° 40.47' N

Water depth 38
 Cast depth 35
 Longitude 132° 38.53' W

Date 2003-09-10
 Local time (Time Zone) _____
 UTC time (start) 03:48

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		202	B-2	35	1	✓	✓						✓							
		203	B-5	32	2	↓	↓													
		204	20		3	↓	↓						✓							
		205	5		4	↓	↓						✓							
					5															
					6															
					7															
					8															
					9															
					10															
					11															
					12															

Comments : _____

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 40
 Station PM01
 Latitude 69 45 00' N

Water depth 14
 Cast depth 10
 Longitude 133° 21.77' W

Date 10 Sep 2003
 Local time (Time Zone) _____
 UTC time (start) 15:09

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		206	B-1	10	1															
		207	B-1	9	2															
		208	7	7	3															
		209	5	5	4															
					5															
					6															
					7															
					8															
					9															
					10															
					11															
					12															

Comments : Hit bottom - likely side of pock mark since mud was mostly
up one side (bot 3 side) of rosette. Bottle 2 water very muddy -

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 41
 Station PM01a
 Latitude 69° 44.99' N

Water depth 16
 Cast depth 15
 Longitude 133° 21.81' W

Date 2003-09-10
 Local time (Time Zone) _____
 UTC time (start) 15:29

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		210	B0-1	15	1															
		211	B0-3	12	2															
		212	7	7.5	3															
		213	5	5	4															
					5															
					6															
					7															
					8															
					9															
					10															
					11															
					12															

Comments :

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 42
 Station PM02
 Latitude 69° 45.00' N

Water depth 14
 Cast depth 13
 Longitude 133° 21.80' W

Date 10 Sep 2003
 Local time (Time Zone) PDT
 UTC time (start) 16:26

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		214	B-2	13	1	✓	✓						✓							
		215	B-5	10	2	↓	↓													
		216	8	8	3	↓	↓													
		217	5	5	4	↓	↓						✓							
					5															
					6															
					7															
					8															
					9															
					10															
					11															
					12															

Comments :

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 46
 Station PM03
 Latitude 69° 45.00' N

Water depth 13
 Cast depth 10
 Longitude 133° 21.69' W

Date 2003-09-10
 Local time (Time Zone) PDT
 UTC time (start) 2218

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		218	B-2	10	1	✓	✓						✓							
		219	B-4	8	2	✓	✓						✓							
					3															
					4															
					5															
					6															
					7															
					8															
					9															
					10															
					11															
					12															

Comments: Bot 3 did not close

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 54
Station 8G02
Latitude 70° 39.93' N

Water depth 64
Cast depth 61
Longitude 133° 25 58' W

Date 2003-07-11
Local time (Time Zone)
UTC time (start) 20:11

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		220	B-2	61	1	✓	✓			✓	3179	8.469	✓	✓	✓	✓	✓	✓		
		221	50	55	2						3178	7.582								
		222	40	40	43						3171	8.625								
		223	30	30	4						3174	8.539	✓							
		224	20	20	5						3166	8.750	✓							
		225	5	5	6	✓	✓			✓	3164	8.919	✓		✓	✓	✓	✓		
					7															
					8															
					9															
					10															
					11															
					12															

Comments :

Bottle 3 did not close

Samples 222-225 Sat acidified for 3 hours

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event #

56

Water depth

38

Date

2003-07-12

Station

KC1

Cast depth

35

Local time (Time Zone)

Latitude

70° 23.39' N

Longitude

135° 25.09' W

UTC time (start)

14:22

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		226	13-2	35	1	✓	✓						✓							
		227	30		2	✓	✓						✓							
		228	25		3															
		228	25	18	4	✓	✓													
		229	15		5	✓	✓													
		230	5		6	✓	✓						✓							
					7															
					8															
					9															
					10															
					11															
					12															

Comments :

fired bottles 3&4 together in case bottle 3 sticks

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 57
 Station KCA
 Latitude 70° 23.00'N

Water depth 61
 Cast depth
 Longitude 135° 26.41'W

Date 2003-09-12
 Local time (Time Zone)
 UTC time (start) 15:46

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		231	B-3	57	1	✓	✓							✓						
		232	55	54	2	✓								✓						
		233	36	40	3															
		233	35	18	4	✓														
		234	15	15	5	✓														
		235	5	9	6	✓								✓						
					7															
					8															
					9															
					10															
					11															
					12															

Comments : close bottles 3&4 at same depth (not.)

Bottle 3 did not fire - pylon removed and cleaned.

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 61
 Station KC 22
 Latitude 70° 23.39' N

Water depth 64
 Cast depth 57 db
 Longitude 135° 25.33' W

Date 12 Sep 2003
 Local time (Time Zone) 1233 PDT
 UTC time (start) 19133

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Pa
		236	30	57	1	✓							X					
		237	50	50	2	✓												
		238	45	42	3	✓							X					
		239	35	28	4	✓												
		240	25	20	5	✓							X					
		241	5	6	6	✓												
					7													
					8													
					9													
					10													
					11													
					12													

Comments :

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 62
 Station KC21
 Latitude 70° 23.52' N

Water depth 73
 Cast depth 69
 Longitude 135° 25.01' W

Date 12 Sep 2003
 Local time (Time Zone) 14:06 PDT
 UTC time (start) 21:06

CASE #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba
		242	65	69	1		✓						✓					
		243	60		2													
		244	50		3								✓					
		245	40		4													
		246	25		5								✓					
		247	5		6													
					7													
					8													
					9													
					10													
					11													
					12													

Comments :

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 63
 Station KC23
 Latitude 70° 23 37' N

Water depth 67
 Cast depth 65
 Longitude 135° 24.61' W

Date 2003-09-12
 Local time (Time Zone) _____
 UTC time (start) 2339

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba
		248	B-3	65	1	✓	✓						✓					
		249	55		2	✓												
		250	45		3	✓							✓					
		251	35		4	✓												
		252	25		5	✓							✓					
		253	5		6	✓	✓											
					7													
					8													
					9													
					10													
					11													
					12													

Comments : methane duplicate + storage sample on bottle 6

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier**Event #**

64

Station

KC20

Latitude

70° 23 31' N

Water depth

47

Cast depth

Longitude

135° 2508' W

Date _____

2003-09-13

Local time (Time Zone)

UTC time (start)

03:18-

[illegible]

Comments :

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 66
 Station ITC01-2
 Latitude 70° 59' 23' N

Water depth 106
 Cast depth
 Longitude 133° 44.15' W

Date 2003-09-13
 Local time (Time Zone)
 UTC time (start) 15:05

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
		260	B-3	102	1		✓			✓	3177	7.853	✓		✓	✓	✓	✓		
		261	90		2	X	↓			↓	—				↓	↓	↓	↓		
		262	70		3		↓				3161	8.153	✓							
		263	50	50	4		↓			✓	3160	8.856	✓							
		264	0	50	5	X	↓			↓	3159	X								
		265	15		6		↓				3157	X	✓							
		266	5		7		↓			↓	3153	8.658			↓	↓	↓	↓		
					8															
					9															
					10															
					11															
					12															

Comments : Bottle 2,5 leaked - not sampled.

Samples 260-265 left acidified for 3 hours - spoiled.

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 67
 Station KC400
 Latitude 71° 07.37' N

Water depth 444
 Cast depth 440
 Longitude 133° 58.92' W

Date 13 Sep 03
 Local time (Time Zone) 1209 PDT
 UTC time (start) 1909

CAST #	Actual STATION Pressure	SAMPLE #	TARGET PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
	440	267	267	1					✓	3151	6.598	✓		✓	✓	✓	✓		
	300	268	300	2						3142	6.384								
	249	269	250	3						3137	6.198								
	225	270	225	4						3135	6.075								
	200	271	200	5						3130	6.024	✓							
	175	272	175	6						3128	6.405								
	150	273	150	7						3126	6.566	✓							
	125	274	125	8						3124	6.637								
	100	275	100	9						3123	7.137								
	75	276	75	10						3121	7.698								
	50	277	50	11	X					3119	9.186	✓							
	5	278	5	12					✓	3118	8.662	✓							

Comments :

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 68
 Station KC1800
 Latitude 71° 41' 41" N

Water depth 1520
 Cast depth 1000
 Longitude 134 39.54' W

Date 2003-09-13
 Local time (Time Zone) _____
 UTC time (start) 23:30

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
	1000	279	1000	1		✓	7475		✓	3180	6.909	✓		✓	✓	✓	✓		
	600	280	600	2			9821			3181	6.793								
	400	281	400	3			7637			3182	6.669								
		282	300	4			7677			3183	6.409								
		283	250	5			7676			3186	6.132								
		284	225	6			7625			3187	6.078	✓							
		285	175	7			7629			3188	6.297								
		286	150	8			7417			3189	6.608	✓							
		287	125	9			7631			3190	6.893								
		288	100	10			7678			3191	7.292								
		289	50	11	X		7222			3192	8.720	✓							
✓		290	5	12		✓	7357		✓	3193	8.681	✓		✓	✓	✓	✓		

Comments : First half of this data is stored as cast 68a

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 69
 Station KC1500
 Latitude 71° 30.89' N

Water depth 1486
 Cast depth 1000
 Longitude 134° 52.54' W

Date 14 Sep 2003
 Local time (Time Zone) 18135
 UTC time (start) 01135

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
	1000	291	1000	1					✓	3194	6.872	✓		✓	✓	✓	✓		
		292	600	2						3196	6.764								
		293	400	3						3198	6.585								
		294	300	4						3199	6.247								
		295	250	5						3200	6.085								
		296	225	6						3201	6.036	✓							
		297	175	7						3202	6.808								
		298	150	8						3203	7.367	✓							
		299	125	9						3204	7.528								
		300	100	10						3206	7.609								
		301	50	11	X					3207	7.818								
		302	5	12						3209	8.796	✓		✓	✓	✓	✓		

Comments :

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 70
 Station KC1200
 Latitude 71° 21' 33" N

Water depth 1140
 Cast depth 1000
 Longitude 134° 18.41' W

Date 2003-09-14
 Local time (Time Zone) _____
 UTC time (start) 03:48

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
	998	303	1000	1					✓	3174	6.950	✓		✓	✓	✓	✓		
		304	600	2						3178	6.758								
		305	400	3						3166	6.574								
		306	300	4						3179	6.322								
		307	250	5						3177	6.143								
		308	225	6						3164	6.139	✓							
		309	175	7						3171	6.527								
		310	150	8						3162		✓							
		311	125	9						3161	7.054								
		312	100	10						3157	7.367								
		313	50	11	X					3160	8.446								
		314	5	12					✓	3159	8.972	✓							

Comments : Sample 310 - program froze right at end point, dosage 1.182

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 71
 Station KC800
 Latitude 71° 14.34'N

Water depth 833
 Cast depth 832
 Longitude 134 08.26'W

Date 2003-09-14
 Local time (Time Zone) _____
 UTC time (start) 05:50

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
	832	315	18.3	1					✓	3186	6.801	✓		✓	✓	✓	✓		
		316	600	2					✓	3182	6.788								
		317	400	3					✓	3153	6.625								
		318	300	4					✓	3180	6.391								
		319	250	5					✓	3183	6.189								
		320	225	6					✓	3187	6.109	✓							
		321	175	7					✓	1483	6.201								
		322	150	8					✓	1484	6.447	✓							
		323	125	9					✓	1485	6.778								
		324	100	10					✓	1486	7.289								
		325	50	11					✓	3109	9.073								
		326	5	12					✓	3181	8.683	✓					✓		

Comments :

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 72
 Station AFZ-1
 Latitude 70 46 07' N

Water depth 32
 Cast depth 29
 Longitude 132° 51.96' W

Date 2003-09-15
 Local time (Time Zone) _____
 UTC time (start) 19:48

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
	29	327	B-2	1	✓	✓	7677					✓							
	29	327	B-2	2		✓						✓							
	16	328	15	3	✓	✓	7676												
				4															
				5															
				6															
				7															
				8															
				9															
				10															
				11															
				12															

Comments : 2 bottles fired at bottom because bottle 1 failed to
close on last cast.

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 73
 Station AP22
 Latitude 70° 45.88' W

Water depth 42
 Cast depth 42
 Longitude 132° 51.22' W

Date 2003-09-15
 Local time (Time Zone) _____
 UTC time (start) 21:09

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
	42	329	Bo-2	1		✓	7625					✓							
	42	329	Bo-2	2															
	39	330	Bo-5	3		✓	7629												
		331	30	4		✓	7417												
		332	25	5															
		333	15	6		✓	7475					✓							
		334	5	7		✓	9821												
				8															
				9															
				10															
				11															
				12															

Comments : 2 Bottles at bottom again in case bottle 1 doesn't fire.
Rosette hit bottom - bottom contact switch did not fire - Bot 1
was fine, though.
Bottle 5 not sampled

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 74
 Station AFZ3
 Latitude 70° 46.19'N

Water depth 56
 Cast depth 53
 Longitude 132° 51.03'W

Date 2003-09-15
 Local time (Time Zone) _____
 UTC time (start) 21:44

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
	53	335	B-2	1	✓	✓	7637					✓							
		336	45	2	✓	✓	7678												
		337	35	3	✓	✓	7357												
		338	20	4	✓	✓	7222					✓							
		339	5	5	✓	✓	7631	7625											
				6															
				7															
				8															
				9															
				10															
				11															
				12															

Comments :

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 76
 Station BC8
 Latitude 70° 10.01'N

Water depth 42
 Cast depth 39
 Longitude 133 44.94'W

Date 2003-09-16
 Local time (Time Zone) _____
 UTC time (start) 14:20

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
	39	340	B-2	1	✓	✓	7637					✓							
		341	35	2	x		-												
		342	25	3	✓		7677												
		343	15	4			7676												
		344	5	5			7625												
				6															
				7															
				8															
				9															
				10															
				11															
				12															

Comments : Bottle 2 leaked - no sample

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 79
 Station BGL
 Latitude 70° 29 99' N

Water depth 66
 Cast depth 60
 Longitude 133 44.90' W

Date 2003-09-16
 Local time (Time Zone) _____
 UTC time (start) 18:48

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
	60	345	B-3	1	X														
		346	55	2	X														
		346	55	3		✓	7417					✓							
		347	40	4		✓	7475												
		348	30	5		✓	9821					✓							
		349	20	6	X														
		350	5	7	?	✓	7637	7678											
				8															
				9															
				10															
				11															
				12															

Comments : Bottles 2 & 3 closed at same depth in case bottle 2 leaked.
Bottle 1 - left valve open
Bottle 2 & 6 leaked Bottle 7 leaked slightly

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 83
 Station 1TC03-2
 Latitude 71° 02.37'N

Water depth 125
 Cast depth 121
 Longitude 133° 24.32'W

Date 2003-09-17
 Local time (Time Zone) _____
 UTC time (start) 02:45

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
	121	350	Bu-3	1					✓	3153	8.301	✓		✓	✓	✓	✓		
		351	100	2						3180	8.023								
		352	75	3						3182	8.163	✓							
		353	50	4						3183 3186	8.376 8.358								
		354	30	5						3187	9.104								
		355	20	6						3188	9.291								
		356	5	7					✓	3189	8.764	✓							
				8															
				9															
				10															
				11															
				12															

Comments : Colorimeter consistently drifts to values > 100%

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 84
 Station _____
 Latitude _____

Water depth _____
 Cast depth _____
 Longitude _____

Date _____
 Local time (Time Zone) _____
 UTC time (start) _____

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
	9	357	Ba-2	1															
		358	6	2															
		359	4	3															
				4															
				5															
				6															
				7															
				8															
				9															
				10															
				11															
				12															

Comments : Bottle 1 did not close - redo^{as} 1 cast 85

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 85
 Station PV1
 Latitude 69° 37.90'N

Water depth 11
 Cast depth 8
 Longitude 136° 18.09'W

Date 2005-09-18
 Local time (Time Zone) _____
 UTC time (start) 16:55

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba	
	8	357	B-2	1			7621					✓						
	8	357	B-2	2														
		358	6	3			7417											
		359	4	4			7475	9821				✓						
				5														
				6														
				7														
				8														
				9														
				10														
				11														
				12														

Comments : Bottles 1 & 2 fired at bottom since bottle 1 failed to fire last cast

Duplicate cast of #84

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 90
 Station AFZ4
 Latitude 70° 46.02' N

Water depth 26
 Cast depth 23
 Longitude 132° 51.94' W

Date 2003-09-19
 Local time (Time Zone) _____
 UTC time (start) 18:06

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba	
	23	360	B-2	1	✓		7629					✓						
	21	361	25	2	✓		7417											
	19	362	23	3	✓		9821											
	17	363	20	4	✓		7222											
	14	364	15	5	✓		7637											
		365	5	6	✓		7677											
				7														
				8														
				9														
				10														
				11														
				12														

Comments : loose label on salinity bottle 360

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 91
 Station AFZ5
 Latitude 70° 46 08' N

Water depth 39
 Cast depth 36
 Longitude 132° 51 93' W

Date 2003-09-26
 Local time (Time Zone) _____
 UTC time (start) 0110Z

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba	
	36	366	Ba-3	1		✓	7676					✓						
		367	25	2			7625											
	19	368	20	3			7629											
	10	369	5	4			7417					✓						
				5														
				6														
				7														
				8														
				9														
				10														
				11														
				12														

Comments :

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 92
 Station AF26
 Latitude 70° 45.99' N

Water depth 38
 Cast depth _____
 Longitude 132° 52.09' W

Date 2003-09-20
 Local time (Time Zone) _____
 UTC time (start) 01:26

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba	
	37	370	B-3	1	✓	✓	9821					✓						
		371	25	2	X													
		372	20	3	✓		7222											
	6	373	5	4	✓	✓	7677					✓						
				5														
				6														
				7														
				8														
				9														
				10														
				11														
				12														

Comments : Bottle 2 leaked at air valve - not tight enough

Rosette sampling log mission 2003 -19CCGS Sir Wilfrid LaurierEvent # 93
Station AFZ7
Latitude 70° 45 99' NWater depth 37
Cast depth 34
Longitude 132 51.90' WDate 2003-09-20
Local time (Time Zone) _____
UTC time (start) 01:48

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba	
	34	374	18.3	1	✓	✓	7357					✓						
	24	375	25	2	✓		7475					✓						
	18	376	20	3	✓		7631					✓						
	11	377	5	4		✓	7678					✓						
				5														
				6														
				7														
				8														
				9														
				10														
				11														
				12														

Comments : _____

Rosette sampling log mission 2003 -19

CCGS Sir Wilfrid Laurier

Event # 001
 Station DU01
 Latitude 68 17.95' N

Water depth 88
 Cast depth 82
 Longitude 113 29.80' W

Date 2003-08-30
 Local time (Time Zone)
 UTC time (start) 2027

CAST #	STATION	SAMPLE #	TARGET PRESSURE (dbar)	TRIP PRESSURE (dbar)	ROSETTE BOTTLE #	BOTTLE INTEGRITY	METHANE	CH4 SYRINGE#	CH4 DUP SYRINGE #	DISSOLVED OXY	OXYGEN FLASK#	OXY DUP FLASK#	SALINITY	SAL DUP	NUTRIENTS	NUTS DUP	O18	Ba		
1	DU01	1	B-3	82	1	✓				-	1486	7.282	X		✓	✓	✓	✓		
		2	75		2	✓				-	1485	6.286	✓		✓	✓	✓	✓		
		3	50		3	✓				-	1484	6.785	✓		✓	✓	✓	✓		
		4	20		4	✓				-	1483	7.480	✓		✓	✓	✓	✓		
		5	5		5	✓				✓	3207	7.985	✓		✓	✓	✓	✓		
					6															
					7															
					8															
					9															
					10															
					11															
					12															

Comments : #3 - Top valve was not tight

Note: titrations for samples 1-5 1st wrong flask # in computer - Autooxy prgrm would not take actual flask numbers listed above — 1340-1344 were used for samples 1-5
 Samples 6 & 7 also in ⁰² file for this cast