

Rosette sampling log mission 2005-04

Event 50

Station CB1a

CTD Filename 200504_050

Date (UTC) 2005/08/31

UTC/Local time 0012/1812

CTD Operator JE

(1483 m/s soundspeed, w/o +8 m/s correction)

Depth 243 In-air press 0.061-0.12

Lat (N) 71° 23.63' Ice (tenths) 3

Lon (W) 130° 54.15' Start Scan 6800

expect 200m

Samp #	Raw Nom Sal	Raw Nom Depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC Dup Syringe #	Dis. OXY	OXY FLASK #	OXY DUP FLASK #	C-13	FW-Alkalinity	SALINITY	NUTRIENTS	Bacteria	NH4	O18	Ba	TOTAL CHL _a 0.7u	CDOM	1-128	Ca-137	DIC	TOC	Comments
884	Bot	243	✓1	NF								✓	✓	✓			✓	✓							
885	34	200	✓2	✓✓								✓✓	✓		✓										
886	33.8	188	✓3	✓✓									✓✓												
887	33.6	178	✓4	✓✓											✓										
888	33.4	161	✓6	✓✓																					
889	33.2	152	✓6	✓✓																					
890	33.1	145	✓7	✓✓								✓✓			✓		✓✓	✓✓							
891	32.9	128	✓8	✓✓											✓										
892	32.75	120	✓9	✓✓																					
893	32.5	83	✓10	✓✓											✓										
894	32.2	70	✓11	✓✓																					
895	chl max	53	✓12	✓✓											✓		✓✓	✓✓							
896		25	13	NF											✓										
897		5	14	NF							✓	✓✓	✓	✓	✓										
898		5	16	NF									✓												
899		5	16	NF									✓												
900		5	17	NF									✓												
			18																						
			19																						
			20																						
			21																						
			22																						
			23																						
			24																						

Comments: Last 3 bottles taken for fresh salinity calibration point - rosette raised ← not taken, bottles would not fire

Rosette sampling log mission 2005-04

Event 49
Station CABOS
CTD Filename 200504_49

Date (UTC) 2005/08/30
UTC/Local time 1809/1209
CTD Operator JE

(1463 m/s soundspeed, w/o +8 hull correction) Knudsen
Depth 1083 In-air press -0.06 / -0.05
Lat (N) 71° 45.36' ice (tenths) 3
Lon (W) 131° 44.23' Start Scan 7200

Samp #	Raw Nom Sal	Raw Nom Depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	Dis-OXY	OXY FLASK #	OXY DUP FLASK #	C-13	FW-Alkalinity	SALINITY	NUTRIENTS	Bacteria	CHL	O18	Ba	TOTAL CHL a	CDOM	129	137	DIC	TOC	Comments
860	Bot	1055	✓1	✓✓									✓	✓											
861	1000	1000	✓2	✓✓									✓	✓			✓	✓							
862	800	800	✓3	✓✓									✓	✓											
863	600	600	✓4	✓✓																					
864	500	500	✓5	✓✓								✓					✓	✓							
865	450	450	✓6	✓✓								✓													
866	tmax	395	✓7	✓✓																					
867	34.8	367	✓8	X✓											✓										
868	34.6	251	✓9	✓✓																					
869	34.4	216	✓10	✓✓																					
870	34.2	197	✓11	✓✓								✓			✓										
871	34	185	✓12	✓✓													✓	✓							
872	33.8	174	✓13	✓✓																					
873	33.6	164	✓14	✓✓																					
874	33.4	154	✓15	✓✓																					
875	33.2	138	✓16	✓✓																					
876	33.1	134	✓17	✓✓								✓	✓		✓										
877	32.9	115	✓18	✓✓											✓										
878	32.75	98	✓19	✓✓													✓	✓							
879	32.5	81	✓20	✓✓											✓										
880	32.2	66	✓21	✓✓																					
881	chlmax	42	✓22	✓✓								✓			✓										
882		25 21	✓23	✓✓											✓										Two tries to trip bottle -
883		5	✓24	X✓							✓	✓	✓	✓	✓		✓	✓							

Comments :

on upcast
Stop @ 11m to see if we can get a discharge stopped. Galley garbage material, but appears to be drifting aft, away from the rosette.

+4

↑
2 glass
2 plastic
per MSLM

Rosette sampling log mission 2005-04

Event 48
Station CB 31-a
CTD Filename 200504-048

Date (UTC) 30.08.05
UTC/Local time 13:40
CTD Operator _____

(1483 m/s soundspeed, w/o +8 hull correction)

Depth 1767 In-air press 0.1 - 0.07
Lat (N) 72° 06.60' Ice (tenths) 2/10
Lon (W) 133° 13.80' Start Scan 6600

1787

1761 + 6

Samp #	Raw Nom Sal	Raw Nom Depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	Disc. OXY	OXY FLASK #	OXY DUP FLASK #	C-13	PW Alkalinity	SALINITY	NUTRIENTS	Bacteria	PH	O18	Ba	TOTAL CHL-a	0.7u	CDOM	-129	Cs-137	DIC	TOC	Comments
836	Bottom	1761	V1	✓✓									✓	✓												
837		1500	V2	✓✓													✓	✓								
838		1250	V3	✓✓																						
839		1000	V4	✓✓																						
840		800	V5	✓✓																						
841		700	V6	✓✓																						
842		600	V7	✓✓																						
843		500	V8	✓✓								✓					✓	✓								
844	440	450	V9	✓✓								✓✓														
845	emax	438	V10	✓✓											✓											
846	34.8	404	V11	✓✓																						
847	34.6	295	V12	✓✓																						
848	34.4	261	V13	✓✓								✓✓														
849	34.2	241	V14	✓✓											✓											
850	34	230	V15	✓✓													✓	✓								
851	33.7	210	V16	✓✓								✓✓														
852	33.3	160	V17	✓✓																						
853	33.1	142	V18	✓✓											✓											
854	32.7	98	V19	✓✓											✓											
855	32.3	74	V20	✓✓								✓✓														
856	32	60	V21	✓✓											✓		✓	✓								
857	chl max	50	V22	✓✓											✓											
858		25	V23	✓✓											✓											
859		5	V24	✓✓							✓	✓✓	✓	✓	✓		✓	✓								

Comments :

↑
2 glass
+ 2 plastic
per Niskin

Rosette sampling log mission 2005-04

Event 47
Station CB-23a
CTD Filename 200504-047

Date (UTC) 2005/08/30
UTC/Local time 0339/2139
CTD Operator JE

(1463 m/s soundspeed, w/o +9 hull correction) Knudsen
Depth 2654 In-air press -0.03 / -0.06
Lat (N) 72° 42.04' N Ice (tenths) 6-7
Lon (W) 135° 58.01' W Start Scan 8300

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	CDOM	chl a	chl b	chl c	chl d	Comments
812	Bottom	2624	✓1	VV										✓	✓										
813		2000	✓2	VV	✓	7357		✓	2007	2014			✓				✓	✓							
814		1500	✓3	VV																					
815		1000	✓4	VV	✓	7166																			
816		800	✓5	VV	✓	7552																			
817		600	✓6	VV	✓	7223																			
818		500	7	VV								✓					✓	✓							
819	tmin	403	✓8	VV	✓	7488	7350	✓	2017																
820	tmax	400395	✓9	W	✓	7450	7417	✓	2025			✓			✓										
821	34.8	389	✓10	VV																					
822	34.6	297	✓11	VV																					
823	34.4	263	✓12	VV											✓										
824	34.2	243	✓13	VV								✓													
825	34	230	✓14	VV	✓	7635		✓	2029	2032															
826	33.6	212	✓15	VV																					
827	33.1	181	✓16	VV	✓	7222		✓	2033			✓			✓										
828	32.7	153	✓17	VV											✓										
829	32.3	110	✓18	VV				✓	2035			✓													
830	32	76	✓19	VV											✓										
831	tnose	61	✓20	VV	✓	7353						✓					✓	✓							
832	tmin	52	✓21	VV											✓		✓	✓							
833	chl max	5247	✓22	VV																					
834		2517	✓23	VV											✓										Bottle took 3 tries to fire
835		5	✓24	VV	✓	7383		✓	2049		✓	✓	✓	✓	✓		✓	✓							

Comments :

~400m → tmax
tmin
← chl max also a tmax
← t-nose

↑
dup 4/bottle
@ Surf

cup Squeezing cast

Rosette sampling log mission 2005-04

Event 46
 Station CB-2629
 CTD Filename 200504_046

Date (UTC) 29.08.05
 UTC/Local time 15:09
 CTD Operator _____

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

Depth 2680 In-air press -0.06 -0.06
 Lat (N) 21° 58.8 Ice (tenths) 4/10
 Lon (W) 139° 58.4 Start Scan 1800 (7000 E)

2683 hman

2707

(2673) + 7

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	CBOW	1-120	Cs-137	DIC	TOC	Comments
788	Bottom	2673	V1	✓			7222		✓	3157	3202				✓	✓											
789		2000	V2	✓		✓	7353		✓	3159	3160				✓	✓											#7467 Ampule
790		1500	V3	✓		✓	7629		✓	3161									✓	✓							
791		1250	V4	✓			7435		✓	3164																	
792		1000	V5	✓		✓	7223		✓	3166	3171					✓	✓										trip: 3174
793		800	V6	✓		✓	7357	7475	✓	3177						✓	✓										Dup Ampule: 7467/7676
794		700	V7	✓		✓	7635		✓	3179						✓	✓										
795		600	V8	✓		✓	7433		✓	3180						✓	✓										
796		500	V9	✓		✓	7678		✓	3181	3182			✓		✓	✓		✓	✓							
797	tmin	164	10	✓		✓	7417		✓	3183						✓	✓										
798	tmax	425	V11	✓		✓	7350		✓	3186						✓	✓	✓									
799	34.8	385	V12	✓					✓	3187						✓	✓										
800	34.6	284	V13	✓		✓	7383		✓	3188				✓		✓	✓										Amp.
801	34.4	248	V14	✓		✓	7467		✓	3189						✓	✓	✓	✓								
802	34.2	225	V15	✓		✓	7488		✓	3190						✓	✓		✓								
803	34	210	V16	✓		✓	7637		✓	3191						✓	✓		✓								Ampule
804	33.6	190	V17	✓		✓	7676		✓	3192				✓		✓	✓		✓								
805	33.1(0)	150	V18	✓		✓	7332		✓	3193					✓	✓	✓	✓	✓								Dup Ampule: 7676
806	32.7	118	V19	✓		✓	7504		✓	3194						✓	✓	✓	✓								
807	32.3	90	V20			✓	7166		✓	3196						✓	✓				✓						
808	32	76	V21	✓					✓	3198						✓	✓	✓	✓		✓						
809	chl max	54	V22	✓		✓	7352		✓	3199						✓	✓	✓	✓	✓	✓						Ampule
810		25	V23	✓					✓	3200						✓	✓	✓	✓		✓						
811		5	V24	✓		✓	7201		✓	3201		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓				Dup Amp 7201

Comments:

IF there is any
 step, then
 go for tmin
 just below step

13



Jelly fish on the rosette

(6)

Rosette sampling log mission 2005-04

Event 45
 Station CB27
 CTD Filename 200504-045

Date (UTC) 2005/08/29
 UTC/Local time 0516/1316
 CTD Operator JE/WW

(1483 m/s soundspeed, w/o +9 hull correction) Knudsen
 Depth 3234 In-air press 10.08/10.0
 Lat (N) 73° 00' 42" N Ice (tenths) 7
 Lon (W) 139° 59.92' W Start Scan 8700 13700

0520.15

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	epom	I-129	Se-137	Am-241	Am-241	Comments	
764		2000	V1	✓✓		✓	7637	7222	✓	2007					✓✓	✓				✓	✓						Amp Dups: 7624, 7222	
765		1500	V2	✓✓					✓	2014				12✓		✓												
766		1000	V3	✓✓		✓	7352		✓✓✓	2017	2025					✓✓✓							✓				Oxy: 2027	
767		800	V4	✓✓		✓✓	7350	7353		2032													✓				7332, 7635	
768		1700	V6	✓✓						2033																		
769		600	V6	✓✓		✓	7629			2044					✓✓								✓					
770		500	V7	✓✓						2035				✓						✓	✓							
771	tmax	398416	V8	✓✓		✓	7223		✓✓	2049	2051					✓✓	✓						✓					
772	34.8	381	V9	✓✓		✓	7357			2056														✓				
773	134.6	290	V10	✓✓						2057																		
774	34.4	255	V11	✓✓					✓✓	2059	2060						✓	✓										
775	34.2	235	V12	✓✓		✓	7504			2061								✓					✓					
776	34	221	V13	✓✓		✓	7475			2063							✓	✓						✓				
777	33.6	202	V14	✓✓						2064								✓										
778	33.1	169	V15	✓✓		✓	7488			2068						✓✓	✓	✓						✓				
779	32.7	131	V16	✓✓		✓	7417			2069							✓	✓						✓				
780	32.3	98	V17	✓✓		✓	7678			2073														✓				
781	32	71	V18	✓✓		✓	7433			2074							✓	✓				✓						
782	tmax	5360	V19			✓				2084																		
783	t-min	53	V20	✓✓		✓✓	7166	7201		2085	7435								✓	✓							AMPUL - 7435, 7676	
784	chl max	5334	V21	✓✓		✓	7552			2086							✓	✓				✓						
785	t-min	3822	V22							2087												✓						
786		2015	V23							2088							✓											
787		5	V24	✓✓		✓	7383		✓	2089			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						

Comments:

cups caused trouble at surface — down 5 m to acclimatize, cups on & then pulled to block
 when rosette brought to surface
 17

Bacteria sample #776 was not checked but label was made so sample was taken.

Rosette sampling log mission 2005-04

Event 7844
Station CB-21
CTD Filename 200504-044

Date (UTC) 28.08.05
UTC/Local time 11:05
CTD Operator _____

(1463 m/s soundspeed, w/o +9 hull correction)
Depth 3520 In-air press 0.13 0.0
Lat (N) 74° 02.06 Ice (tenths) 5/10
Lon (W) 140° 00.33 Start Scan 10000

3531

3514 + 5

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	Sr-90	TOX	Comments
740	Bot	3514	V ₁	✓				✓	3157	3159			✓	✓											
741		3500	V ₂	✓					3161				✓				✓	✓							
742		2500	V ₃	✓	✓	7352			3164																
743		2000	V ₄	✓	✓	7552			3166																
744		1500	V ₅	✓	✓	7350			3171																
745		1000	V ₆	✓	✓	7635		✓	3174	3177				✓											3178-Trip
746		800	V ₇	✓	✓	7223	7629		3179												✓	✓			Trip: 9830 Quad: 7467 CFC1
747		600	V ₈	✓	✓	7475			3180																
748		500	V ₉	✓	✓	7624			3181			✓					✓	✓							
749	t max	415	V ₁₀	✓	✓	7222			3182					✓	✓					✓	✓				
750	34.8	375	V ₁₁	✓	✓	7676			3183				✓												
751	34.6	292	V ₁₂	✓	✓	7383			3186																
752	34.4	253	V ₁₃	✓	✓	7488			3187						✓					✓					
753	34.2	230	V ₁₄	✓	✓	7417			3188																
754	34	220	V ₁₅	✓	✓	7627			3189												✓				
755	33.6	200	V ₁₆	✓	✓	7433	7637		3190											✓					
756	33.1	173	V ₁₇	✓	✓	7353		✓	3191	3192				✓	✓					✓					
757	32.7	139	V ₁₈	✓	✓	7166			3193						✓										
758	32.3	106	V ₁₉	✓	✓	7201			3194											✓					
759	32	90	V ₂₀	✓	✓	7332			3196						✓				✓						
760	those	76	V ₂₁	✓	✓	7504			3198								✓	✓							
761	chl max	54	V ₂₂	✓	✓	7357			3199						✓				✓	✓					
762		25	V ₂₃	✓	✓				3200						✓					✓					
763		5	V ₂₄	✓	✓	7678		✓	3201		✓	✓	✓	✓	✓		✓	✓		✓					

Comments :

16 +
7.

2 ea

Rosette sampling log mission 2005-04

Event 4X3
Station CB18
CTD Filename 200504_04X3

Date (UTC) 2005/08/27
UTC/Local time 21:59/1559
CTD Operator JE

(1463 m/s soundspeed, w/o +8 hull correction) Knudsen
Depth 3660 In-air press +0.10 / +0.03
Lat (N) 75 03.80 Ice (tenths) 8
Lon (W) 140 22.38 Start Scan 6400

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 CHLs 0.7u	CDOM	I-128	Cs-137	DIC	TOC	Comments
716	Bot	3644	✓1	VV				✓	2007				✓	✓									✓	✓	
717	3500	3500	✓2	VV				✓	2014				W				✓	✓							
718	2500	2500	✓3	VV				W	2017	2025															
719	2000	2000	✓4	VV	✓	7467			2027																
720	1500	1500	✓5	VV	✓	7201	7678		2032														VV		
721	1000	1000	✓6	VV	✓	9830		WV	2033	2044				VV											
722	800	800	✓7	XV	✓	7166			2049															VV	
723	600	600	✓8	VV	✓	7629		✓	2051	2056										✓					
724	500	500	✓9	VV	✓	7435			2057			✓					✓	✓							
725	Emax	404	✓10	VV	✓	7504	7357		2059						✓		✓	VV		✓					
726	34.8	371	✓11	VV	✓	7332			2060								VV	✓							Ⓜ-insert for N#11 fell on ground-TOC
727	34.6	299	✓12	VV	✓	7676			2061					VV											
728	34.4	254	✓13	VV	✓	7353			2063						✓					✓					
729	34.2	228	✓14	VV					2064																
730	34	213	✓15	VV	✓	7637			2068				W												
731	33.6	194	✓16	VV	✓	7475		W	2069								VV			✓					
732	33.1	167	✓17	VV	✓	7417			2064						✓			VV		✓					
733	32.7	135	✓18	VV	✓	7627			2084						✓								VV		
734	32.3	102	✓19	VV					2085											VV					
735	32	85	✓20	VV	✓	9822			2086						✓									VV	
736	+nose	70	✓21	VV					2087					VV											
737	chmax	45	✓22	VV					2088						✓				VV	✓					
738		25	✓23	VV					2089						✓					✓					
739		5	✓24	VV	✓	7433		✓	2073		✓	✓	✓	✓	✓		✓	✓	✓	✓			✓	✓	

Comments :

releases on frame for testing +8
stop @ 3625m up and for release tests.

oxygen is stuck @ 4.62

dead? - prob. not
CDOM left out of fridge + exposed to light for ~ 8 hours

Rosette sampling log mission 2005-04

Event 42
Station CB-17
CTD Filename

Date (UTC) 27.08.05
UTC/Local time 11:00
CTD Operator

(1463 m/s soundspeed, w/c +9 hull correction)
Depth 1465 In-air press 0.17 0.07
Lat (N) 25° 58.87 lon (tenths) 9
Lon (W) 139° 47.10 Start Scan 1465

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	PbC	TOC	Comments
692		1000	V1	VV	✓	9830		VV					✓	VV											
693		900	V2	VV	✓	7552							VV				✓	✓							
694		800	V3	VV	✓	7383	7201																		
695		700	V4	VV	✓	7627																			
696		600	V5	VV	✓	7624														✓					
697		500	V6	VV	✓	7222						✓		VV			✓	✓							
698		400	V7	VV	✓	7489														✓					
699	+max	375	V8	VV	✓	7637		VV					VV		✓		✓	✓							
700	34.8	382	V9	VV													✓	✓							
701	34.6	276	V10	VV																					
702	34.4	235	V11	VV	✓	7352																			
703	34.2	210	V12	VV	✓	7417														✓					
704	34	187	V13	VV	✓	9822		VV							✓		✓	✓							
705	33.8	186	V14	VV																					
706	33.6	178	V15	VV													✓	✓							
707	33.4	170	V16	VV																✓					
708	33.1	154	V17	VV	✓	7357	7676								✓					✓					
709	32.7	130	V18	VV											✓										
710	32.3	1000	V19	VV															✓	✓					
711	32	85	V20	VV	✓	7355								VV	✓				✓						
712	+max near 68	72	V21	VV	✓	7475													✓						
713	chl max	48	V22	VV	✓	7635									✓				✓	✓					
714	25	25	V23	VV	✓	7223									✓				✓	✓					
715	5	5	V24	VV	✓	743		✓			✓	✓	✓	✓	✓		✓	✓	✓	✓					

Comments :

10
+1.
17

Rosette sampling log mission 2005-04

Event 411
Station CB-115
CTD Filename 200504_041

Date (UTC) 2005/08/26
UTC/Local time 2158/1558
CTD Operator JE

(1463 m/s soundspeed, w/o +9 hull correction) Knudsen
Depth 3732 In-air press +0.05 / -0.03
Lat (N) 76 57.93 Ice (tenths) 9+
Lon (W) 139 57.72 Start Scan 6900

Intrusion Cast

Samp #	Raw Nom Sal	Raw Nom 2005 <u>PRESSURE</u>	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
672		490	1	VV	✓	7332		✓	2007				✓	✓							✓	✓			
673		455	2	VV		7201			2014																
674		451	3	VV		7627		✓	2089	2017															Salinity sampled ahead of dup DO.
675		445	4	VV		7624			2025																
676		442	5	VV		9830		✓	2027	2032															
677		437	✓ 6	VV		7504			2033																T129
678		424	✓ 7	XX		7357			2044												✓				Dups above this are taken in brain 500 ml bottles
679		405	✓ 8	VV		7637			2047												✓				
680		386	9	VV		7433			2049																
681		382	10	VV	✓	7629	7222		2051																
682		379	11	VV		7635			2056																
683		377	12	VV	✓	7676			2057																
684		375	✓ 13	VV		7166			2059																
685		357	14	VV		7383			2060																
686		352	15	VV		7350			2061				✓	✓											
687		348	16	VV		7417			2063																
688		343	17	VV		7475			2064				✓	✓											
689		338	✓ 18	VV		7488			2068																
690		316	19	VV		7467			2069																
691		309	✓ 20	VV	✓	9822		✓	2073				✓	✓							✓				
			21																						
			22																						
	34.2		23																						
	34.2		24																						

Comments :

Please raise @ ² 10m/min for on-the-fly closing

I am aiming for dots on the figure (green trace), note the 3 sets of 5 over the steps. are very closely spaced!

14 for intrusion

Rosette sampling log mission 2005-04

Event 40
Station C615
CTD Filename 200504-040

Date (UTC) 26.08.05
UTC/Local time 12:54
CTD Operator

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

Depth 3725 In-air press -0.06 -0.03
Lat (N) 26°58.87 Ice (tenths) 8/10
Lon (W) 139°59.73 Start Scan 7500

Cesium +
bottle salt
cal

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 9.7u	CDOM	I-129	Cs-137	DIC	TOC	Comments
652		800	V1																			✓			
653		800	V2																			✓			
654		800	V3										✓									✓			
655		600	V4																			✓			
656	+min 437	600	V5																			✓			
657	+min 437	600	V6										✓									✓			
658	+min 437		V7																			✓			
659	+min 437	~430	V8																			✓			
660	+min 437	15	V9		✓	7166							✓								✓	✓			
661	+mix 377	1380	V10																			✓			→ stopped too shallow, lowered 2 m
662	+mix 377		V11																			✓			
663	+mix 377		V12		✓								✓								✓	✓			
664	34.0		V13																			✓			
665	34.0	181	V14																			✓			
666	34.0		V15																			✓			
667	12	150	V16										✓									✓			
668		100	V17										✓									✓			
669		70	V18										✓									✓			
670		40	V19										✓									✓			
671		20	V20										✓									✓			
			21																						
			22																						
			23																						
			24																						

Comments :

- 2min stop for cesium
- salt stops : stop 30sec, 1m up, 2m down, 1m up, 30 sec + close.

Rosette sampling log mission 2005-04

Event
Station Gulligan Ice
CTD Filename No CTD

Date (UTC) Aug 20/2005
UTC/Local time 2:00-3:00 PM
CTD Operator —

(1463 m/s soundspeed, w/o +9 hull correction)
Depth In-air press
Lat (N) 77° 29.4135 Ice (tenths)
Lon (W) 142° 16.5598 Start Scan

Collections from ice camp.

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	Cs-137	POC	TOC	Comments
M1			1	5000								✓	✓	✓	✓		✓	✓	✓					Melt Pond 1
M2			2	5001								✓	✓	✓	✓		✓	✓	✓					Melt Pond 2
			3																					
			4																					
S1			5	5004								✓	✓	✓	✓		✓	✓	✓					Snow sample 1
S2			6	5005								✓	✓	✓	✓		✓	✓	✓					Snow sample 2
			7																					
			8																					
I1		Surface	9	5002								✓	✓	✓	✓		✓	✓	✓					Ice Sample Upper
			10																					
I1		below the surf	11	5003								✓	✓	✓	✓		✓	✓	✓					Ice sample Lower
			12																					
			13																					
			14																					
			15																					
			16																					
Drill hole slush			17	5006									✓	✓					✓			✓		Melt pond #1 & snow 2L bottle
2" below snow on surface			18	5007									✓	✓					✓			✓		Slush sample 1 bag
Under broken ice			19	5008									✓	✓					✓			✓		Snow sample 1 bag
			20																					pond water sample 2L
			21																					-dry sample
			22									✓		✓			✓	✓	✓	✓		✓		
Melt Pond 2			23	5009																				Added 25 Apr 2007 based on
Ice Auger Slush			24	5010																				Linda's notes SAMPLED

Comments:

Kept in Rosset Lab until bottle Sampling - Local time 8/22 17:00
S&I sampler were not covered by black bags...

25 Apr 07 SE + LW

Also, samples taken Aug 21st.

Nutrients have labels: Melt Pond #2 5009 @
Ice Auger Slush 5010

AUG 21 2005

Aug 20

Aug 23

Aug 21

same pit

Rosette sampling log mission 2005-04

Event 39
Station C-B-15
CTD Filename 200504-038

Date (UTC) 26.08.2005
UTC/Local time 07:05
CTD Operator

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

Depth 3725 In-air press 0.04 -0.12
Lat (N) 76°59.09 Ice (tenths) 9/10
Lon (W) 139°59.21 Start Scan 7550

3732

3718 + 6

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
628	Bot	3719	V1	✓	✓	7350		✓					✓	✓							✓		✓	✓	
629		3500	V2	✓		7627							✓				✓	✓							
630		2500	V3	✓		7357																			
1		2000	V4	✓	✓	7504																			
2		1500	V5	✓	✓	7467																			
3		1000	V6	✓	✓	7332		✓						✓											
4		800	V7	✓	✓	7201															✓		✓		
5		600	V8	✓	✓	7630		✓					✓							✓					
6		500	V9	✓	✓	7624						✓					✓	✓						✓	
637	tmax	380	V10	✓	✓	7433	7166								✓		✓		✓						
8	34.8	340	V11	✓	✓	7435																			Syringe had been full and precipitate inside
9	34.6	260	V12	✓	✓	7417								✓			✓	✓							
640	34.4	228	V13	✓	✓	7353									✓				✓						
1	34.2	190	V14	✓	✓	7552																			IF Bot 15 does not close, please move DIC dup to Bot 16
2	34	177	V15	✓	✓	7678																	✓		
3	33.6	156	V16	✓	✓	7352														✓					
4	33.1	127	V17	✓	✓	7488		✓							✓				✓	✓					
5	32.7	114	V18	✓	✓	9822									✓									✓	
6	32.3	92	V19	✓	✓	7222	7635													✓					
647	32	710	V20	✓		7223									✓			✓	✓						
8	Those	68	V21	✓	✓	7629								✓			✓								
9	chmax	56	V22	✓		7676									✓				✓						
650		25	V23	✓		9830									✓				✓	✓					
651		5	V24	✓	✓	7475		✓				✓	✓	✓	✓		✓	✓	✓	✓			✓	✓	

Comments :

Temperature max near 75m

300-380 Temp from 2

Rosette sampling log mission 2005-04

Event 38
 Station CB-13
 CTD Filename 200504-038

Date (UTC) 18.08/05
 UTC/Local time 18:20
 CTD Operator

(1483 m/s soundspeed, w/o +9 hull correction)
 Depth 3776+6 In-air press 0.79 0.04
 Lat (N) 77°18.88 Ice (tenths) 8/10
 Lon (W) 143°22.15 Start Scan 8100

~3800

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	CHL	O18	Ba	TOTAL CHL a 0.7u	CDOM	I-129	Cs-137	DIC	TOC	Comments
597	Bot	3776	V1	✓	✓	7475		✓	2007				✓	✓											
598		3500	V2	✓	✓	7433	7627		2014								✓	✓							
599		2500	V3	✓		7488			2015																
600		2000	V4	✓		7629			2017																
601		1500	V5	✓		7635			2025																
602		1000	V6	✓		7352		✓	2027	2032				✓											2033 Trip oxy
603		800	V7	X		7624			2044				✓												
604		600	V8	✓		7417			2017										✓						
605		500	V9	✓		7357		✓	2049	2051		✓					✓	✓							
606	tmax	390	V10	✓	✓	9822	7552		2056						✓		✓		✓						
607	34.8	345	V11	✓		7350			2057																
608	34.6	258	V12	✓		7201			2059								✓	✓							
609	34.4	222	V13	✓		9830		✓	2060	2061				✓	✓		✓		✓						
610	34.2	182	V14	✓		7332			2063																
611	34	175	V15						2064				✓												DIDN'T TRIP - NO SAMPLE
612	33.7	160	V16	✓		7353			2068																
613	33.4	149	V17	✓		7223			2069						✓				✓						
614	33.1	136	V18	✓		7676			2073						✓				✓						
615	32.7	117	V19	✓		7383			2074																
616	32.3	92	V20	✓	✓	7166			2084						✓		✓	✓	✓	✓					
617	32	77	V21	✓		7225			2085								✓		✓						-oxygen sampled after O18 Ba Nitr. oops!
618	chlMax	51	V22	✓		7637			2086						✓		✓		✓						
619	25	25	V23	✓		7435			2087						✓		✓		✓						
620	5	5	V24	✓	✓	7504		✓	2088		✓	✓	✓	✓	✓		✓	✓	✓	✓					

Comments :

Rosette sampling log mission 2005-04

Event 37
Station CB12
CTD Filename 200504_037

Date (UTC) 2005/08/18
UTC/Local time 0202/2002
CTD Operator JE

(1463 m/s soundspeed, w/o +9 hull correction) Knudsen
Depth 3814 In-air press +0.09/0.0
Lat (N) 77 42.13 Ice (tenths) 9+
Lon (W) 46 42.12 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	CHL	O18	Ba	TOTAL CHL a 0.7u	CDOM	I-129	Cs-137	BIC	TOC	Comments
573	Bot +10	3802	✓1	VV				✓	2091				✓	✓			✓	✓							
574		2500	✓2	VV					2092																
575		1000	3	VV				W	2094	2096				✓	✓										
576		800	✓4	✓					2099					✓	✓										
577		455	✓5	VV	✓	7435		✓	3003	3			✓												
578	I below	450	✓6	VV	✓	9166			3004								✓	✓		✓					
579	+ below	445	✓7	XV	✓	7357			3006																
580	I	437	✓8	VV	✓	7352			3007																
581	I	410	✓9	VV	✓	7201			3009					✓											
582	I	395	✓10	VV	✓	7332			3012					✓	✓										
583	I ChlMax	385	✓11	VV	✓	7830			3016		✓	✓					✓	✓		✓					
584	I above	370	✓12	VV	✓	7552	9822	✓	3018	3019															
585	I above	360	✓13	VV	✓	7467			3024								✓	✓							
586	34.6	258	✓14	VV					3028			✓													
587	34.4	220	✓15	VV					3033						✓					✓	✓				
588	34.2	194	✓16	VV					3034				✓				✓	✓							
589	34	177	✓17	VV				✓	3038	3039															
590	33.7	164	✓18	VV					3040					✓											
591	33.1	143	✓19	VV					3043					✓	✓					✓					
592	32.7	120	✓20	VV					3047																
593	32.3	96	✓21	VV					3048						✓		✓	✓		✓					
594	Chl2	78	✓22	VV					3051						✓					✓					
595	ChlMax	38	✓23	VV					3052						✓					✓					
596		5	✓24	VV				✓	3053		✓	✓	✓	✓	✓		✓	✓	✓	✓					shallower than 5m

Comments :

Rosette sampling log mission 2005-04

Event 36
Station C3-9
CTD Filename 200504-036

Date (UTC) 17.08.05
UTC/Local time 10:23
CTD Operator

(1463 m/s soundspeed, w/o +9 hull correction) ~3800
Depth ~3800 In-air press 0.08
Lat (N) 77 58.84 Ice (tenths) 5/10
Lon (W) 150 03.41 Start Scan 5500

1580 3800

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
553	1 310	480	1	✓✓				✓	3003				✓	✓											
554	1 500	485	2	✓✓					2091																
5	1 490	480	3	✓✓					2092																
6	1 480	488	4	✓✓					2094				✓	✓											
7	1 475	460	5	✓✓				✓	2096	2098															
8	1 470	455	6						2099																
9	1 465	450	7						3004																
560	1 460	445	8						3007																
1	1 455	440	9						3009																
2	1 450	435	10					✓	3012	3016			✓	✓											
3	1 445	430	11	✓✓					3018																
4	1 440	420	12	✓✓					3019																
5	1 435	410	13						3024																
6	1 430	400	14						3028																
7	1 420	395	15						3033																DIAGN'T RELEASE - NO SAMPLES
8	1 410	390	16						3034																
9	1 400	385	17					✓	3038				✓	✓											
570	1 395		18						3039				✓	✓											
1	1 390		19						3040				✓	✓											
572	1 385		20	✓✓				✓	3042				✓	✓											
			21																						
			22																						
			23																						
			24																						

Comments :

From 600+up, please
Raise at 30 m/min

go down to 800,
or more if useful for
waldeck

16