

Rosette sampling log mission 2006-18

Cast # 57 Date (UTC) Sept 1, 2006 In-air press 0.255/0.118 Water Depth 3812
 Station CB-11 UTC/Local time 14:10/08:10 Ice (tenths) 10 Lat (N) 79° 0.446'N
 CTD Filename 200618-057 CTD Operator Spieler Start Scan 13A73 Lon (W) 149° 59.614'W

(w/o +9 hull correction / sound speed)

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY .rip FLASK #	DIC	C-13	POC	TOTAL CHLOROPHYLL	Chl a	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H3	H29	Cd37	16S			
865	Bottom	3808 ✓	1	✓	✓	8920			✓	3130					✓					✓	✓									1/2 salt	
866		3200 ✓	2	✓	✓	7467				2135										14										← extra case for IOS	
867		2500 ✓	3	✓	✓	7283				2151																					
868		2000 ✓	4	✓	✓	8968				3157																					
869		1500 ✓	5	✓	✓	9024				3160																					
870		1000 ✓	6	✓	✓	7353	7676			3161																					
871		800 ✓	7	✓	✓	7488				2164																					
872		600 ✓	8		✓					3166								✓	✓				✓	✓							top cap didn't close tightly
873		450 ✓	9	✓	✓	9114				3171																					
874	2max	390 ✓	10	✓	✓	8995	7504		✓	3174	3177	3178																			
875	34.9	345 ✓	11	✓	✓	7272				3179																					
876	34.7	278 ✓	12	✓	✓	7678				3180																					
877	34.6	253 ✓	13	✓	✓	9069				3181																					
878	34.4	211 ✓	14	✓	✓	7475			✓	3182	3186	3187		✓					✓												2nd & 3rd DO samples taken after all others.
879	34.2	182 ✓	15	✓	✓	9061				3188																					
880	34	165 ✓	16	✓	✓	7629	7357			3190													✓	✓							
881	33.5	145 ✓	17	✓						3191																					
882	33.1	136 ✓	18	✓	✓	9047				3192				✓				✓													
883	32.9	129 ✓	19	✓	✓	9066				3193				✓				✓													
884	32.6	113 ✓	20	✓	✓	7201				3194				✓				✓													
885	32.3	92 ✓	21	✓	✓	7417				3196				✓				✓													
886	delay	53 ✓	22	✓	✓	8953				3198				✓				✓													
887		20 ✓	23	✓	✓	7423				3097				✓				✓													
888		5 ✓	24	✓	✓	7435			✓	3003				✓	✓			✓	✓	✓	✓		✓	✓							← close to 10L in samples

Comments :

↑
please add
as possible...

↑
yes

↑
PLEASE
draw a
1/2 case
for sampling
@ IOS, not
here

Rosette sampling log mission 2006-18

Cast # 56
 Station CB-10a
 CTD Filename 200618_056

Date (UTC) 31 Aug 2006
 UTC/Local time 16:12 / 10:12
 CTD Operator SN

In-air press 0.116/0.207
 Ice (tenths) 9/10
 Start Scan 11665

(w/o +9 hull correction / sound speed)

Water Depth 990
 Lat (N) 78° 19.370' N
 Lon (W) 154° 4.075' W

Cont depth
 ~ 900 + 1000m

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	POC	TOTAL CHL a 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H3	L-129	Ca-137	TSS
841	Bottom	994	✓ 1	✓✓	✓	8995				2099										✓	✓							
842		800	✓ 2	✓✓	✓	7488				3012											✓							
843		600	✓ 3	✓✓	✓	8978				3040											✓							
844		500	✓ 4	✓✓	✓	7637				3061																		
845		450	✓ 5	✓✓	○	7435				3082																		
846	tmax	410	✓ 6	✓✓	✓✓	8980	7332			3084																		
847	34.8	345	✓ 7	✓✓	○	7676				3000																		
848	34.7	278	✓ 8	✓✓	✓	9114				3104																		
849	34.6	246	✓ 9	✓✓	✓	9054				3107																		
850	34.4	207	✓ 10	✓✓	○	7504			✓✓	3108	3109	3113							✓									
851			✓ 11	✓✓						3116																		
852	34.2	181	✓ 12	✓✓	✓	9066				3118									✓									
853	34.0	167	✓ 13	✓✓	○	7483				3121													✓	✓				
854	33.7	156	✓ 14	✓✓						3123																		
855	33.4	147	✓ 15	✓✓						3124																		
856	33.1	138	✓ 16	✓✓	○	7383				3126								✓			✓✓		✓	✓				
857	32.9	129	✓ 17	✓✓	○	7417			✓✓	3137	3142	3183																
858	32.6	114	✓ 18	✓✓	○	7223				3200																		
859	tmin 90	102	✓ 19	✓✓	○	7468				3201																		
860	tmax 70	85	✓ 20	✓✓	○	7352				3202																		
861	chl max	47	✓ 21	✓✓	✓	9024				3203																		
862	tmin 40	38	✓ 22	✓✓	○	7353				3204																		
863	tmax 20	25	✓ 23	✓✓	○	7552				3206																		
864		5	✓ 24	✓✓	○				✓	3207				✓					✓	✓	✓		✓	✓				

Comments :

7
 17

Rosette sampling log mission 2006-18

Cast # 55 Date (UTC) 31 Aug 2006 In-air press 0.170/0.206 Water Depth 1816
 Station C13-10a2 UTC/Local time 11:11/05:11 Ice (tenths) 9/10 Lat (N) 78° 20.641' N
 CTD Filename 200618_055 CTD Operator EN Start Scan 8569 Lon (W) 153° 28.969' W

(w/o +9 hull correction / sound speed)

mid-depth

APRDX 1500-1800m

Full Chew

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	POC	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	POC	TOTAL CHL a 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H3	I-129	Cs-137	TSS	
817	Bottom	1897	✓ 1	✓✓	✓	9024			✓	3130										✓	✓					✓			
818		1500	✓ 2	✓✓	✓	7417				3125											✓✓					✓			
819		1000	✓ 3	✓✓	✓	7353			✓	3159	3157	3151							✓										
820		800	✓ 4	✓✓	✓	7201				3160																			
821		600	✓ 5	✓✓	✓	7166				3161																			
822		500	✓ 6	✓✓						3164																			
823		450	✓ 7	✓✓						3166																✓			
824	2max	400	✓ 8	✓✓	✓	7620				3171																✓			
825	34.8	355	✓ 9	✓✓	✓	7222 7222	✓			3174																✓			Syr 8953 - to be dup for #8 but might have taken it w/ 9.
826	34.7	277	✓ 10	✓✓	✓	7433			✓	3177											✓	✓				✓			
827	TRIP BOT	NO SAMPLE	11	✓✓																									11 did TRIP ✓
828	34.6	252	✓ 12	✓✓	✓	7678			✓	3178											✓	✓				✓			
829	34.4	207	✓ 13	✓✓	✓	9047				3179									✓							✓			
830	34.2	183	✓ 14	✓✓	✓	7357				3180																			Oxygen: sample lost by accident
831	34	171	✓ 15	✓✓	✓	9061				3181														✓	✓		✓		
832	33.7	160	✓ 16	✓✓						3182																			
833	33.4	151	✓ 17	✓✓						3186																			
834	33.1	143	✓ 18	✓✓	✓	7475			✓	3189	3188	3187						✓						✓	✓				
835	32.9	135	✓ 19	✓✓						3190																			
836	32.6	119	✓ 20	✓✓						3191																			
837	32.3	92	✓ 21	✓✓						3192																			
838	chl max	51	✓ 22	✓✓	✓	9069				3193														✓	✓		✓		
839		20	✓ 23	✓✓						3194																			
840		5	✓ 24	✓✓					✓	3196				✓				✓		✓	✓		✓	✓					

Comments :

12

either

Rosette sampling log mission 2006-18

Cast # 54Station CB-10a2CTD Filename 200618_054Date (UTC) 31 Aug 2006UTC/Local time 9:13 / 3:13CTD Operator SNIn-air press -10.177Ice (tenths) 9/10Start Scan 5113

(w/o +9 hull correction / sound speed)

Water Depth 1821Lat (N) 28° 20.566' NLon (W) 153° 29.082' W

approx 1500-1800m mid-depth
Cs / Iodine
First Cast

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	POC	TOTAL CHLa 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	I-129	Cs-137	TSS	
793		1000	✓ 1	✓✓																							✓		1000
794		"	✓ 2	✓✓																							✓		
795		"	✓ 3	✓✓																							✓		
796		"	✓ 4	✓✓	✓	8978		✓	✓✓	2027	2032									✓	✓				✓	✓			
797		"	✓ 5																						✓	✓			
798		800	✓ 6	✓																							✓		Slow leak from spigot
799		"	✓ 7	✓																							✓		
800		"	✓ 8	✓✓																							✓		
801		"	✓ 9	✓✓	✓	7352		✓	✓✓	2014	2033	2044								✓	✓				✓	✓			
802		"	✓ 10																										
803		600	✓ 11	✓✓																							✓		600
804		"	✓ 12	✓✓																							✓		
805		"	✓ 13																								✓		
806		"	✓ 14	✓✓	✓	7223		✓	✓✓	2015	2047	2049								✓	✓				✓	✓			
807		"	✓ 15	✓✓																							✓		
808	Tmax	402	✓ 16	✓✓																							✓		402
809	"	"	✓ 17	✓✓																							✓		
810	"	"	✓ 18	✓✓																							✓		
811	"	"	✓ 19	✓✓	✓	7552		✓	✓✓	2017	2051	2056								✓	✓				✓	✓			
812	"	"	✓ 20																										
813	300	225	✓ 21	✓✓																							✓		300
814	(S=34.5)	"	✓ 22	✓✓																							✓		
815	"	"	✓ 23	✓✓																							✓		
816	"	"	✓ 24	✓✓	✓	8968		✓	✓✓	2025	2059	2060								✓	✓				✓	✓			

Comments :

Please wait 2min @ depth
before closing the 4/5 bottle
set.

please don't top off Cs
samples with extra
bottle.

Rosette sampling log mission 2006-18

Cast # 53 Date (UTC) 2006/08/31
 Station CB-10 UTC/Local time 0501/2301
 CTD Filename 200618-053.cnt CTD Operator JE

In-air press 0.21 / 0.166 (w/o +9 hull correction / sound speed)
 Water Depth 2419 / 1480
 Ice (tenths) 9+ Lat (N) 78 18.08
 Start Scan 9300 Lon (W) 153 12.58

mid-dep 4d
 Approx 2500

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Dis. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DK	C-13	POC	TOTAL CHL _a 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	L-129	Cs-137	Sr-90
769	Bottom	2444	✓ 1	✓✓					✓	3003										✓	✓							
770		2000	✓ 2	✓✓						3004											✓	✓						
771		1500	✓ 3	✓✓						3006											✓	✓						
772		1000	✓ 4	✓✓	✓	7678				3007											✓	✓						
773		800	✓ 5	✓✓	✓	7670			✓	3009	3016	3018																
774		600	✓ 6	✓✓	✓	7688				3019																		
775		500	✓ 7	✓✓						3024									✓				✓	✓				
776		450	✓ 8	✓✓						3028																		
777	t max	400	✓ 9	✓✓	✓	9114				3033																		
778	34.8	348	✓ 10	✓✓						3034																		
779	34.75	294	✓ 11	✓✓						3043																		
780	34.7	275	✓ 12	✓✓	✓	8995				3038																		
781	34.6	249	✓ 13	✓✓	✓	7637				3048																		
782	34.4	210	✓ 14	✓✓	✓	8980			✓✓	3047	3051	3052							✓									
783	34.2	187	✓ 15	✓✓	✓	9054				3055										✓	✓							
784	34.0	176	✓ 16	✓✓						3057													✓	✓				
785	33.5	158	✓ 17	✓✓						3058																		
786	33.1	146	✓ 18	✓✓	✓	9037				3063								✓			✓							
787	32.9	138	✓ 19	✓✓						3067								✓			✓							
788	32.6	121	✓ 20	✓✓						3069								✓			✓							
789	32.3	98	✓ 21	✓✓						3092								✓			✓		✓	✓				
790	chimax	50	✓ 22	✓✓						3094							✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
791		20	✓ 23	✓✓						3096							✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
792		5	✓ 24	✓✓					✓	3097				✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Comments :

Stop to change winch gears @ 308 m ↓

Need to count
 used + remaining
 By Dis, Part

Rosette sampling log mission 2006-18

Cast # 52 Date (UTC) 30 Aug 2006 In-air press 0.148 / 0.140 Water Depth 3819
 Station CB-9 UTC/Local time 10:48 / 4:48 Ice (tenths) 9/10 Lat (N) 77° 58.980' N
 CTD Filename 200618-052 CTD Operator SN Start Scan 11401 Lon (W) 149° 52.219' W

(w/o +9 hull correction / sound speed)

CB-9
 Full depth cast

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Dis. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	POC	TOTAL CHL a	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	I-129	Ca-137	U-235	
745	Bottom	3813 ✓	1	✓✓	✓	7475	7678	✓	✓	3161			✓	✓						✓	✓	✓			✓	✓	✓	✓	
746		3000 ✓	2	✓✓		9114		✓		3164										✓	✓				✓	✓	✓	✓	
747		2500 ✓	3	✓✓		9837		✓		3193										✓	✓				✓	✓	✓	✓	
748		2000 ✓	4	✓✓		9054		✓		3196											✓			✓	✓	✓	✓	✓	
749		1500 ✓	5	✓✓		7352		✓																✓	✓	✓	✓	✓	
750		1000 ✓	6	✓✓	✓	7435	8978	✓	✓	3160	3194													✓	✓	✓	✓	✓	
751		800 ✓	7	✓✓		9047		✓		3198									✓					✓	✓	✓	✓	✓	
752	550	600 ✓	8	✓✓		9066		✓		3166														✓	✓	✓	✓	✓	
753		450 ✓	9	✓✓		7417		✓		3171														✓	✓	✓	✓	✓	
754	tmax	380 ✓	10	✓✓	✓	7076	7332	✓	✓	3174	3177													✓	✓	✓	✓	✓	
755	34.8	339 ✓	11					✓																	✓	✓	✓	✓	
756	34.7	279 ✓	12	✓✓		7629		✓		3179														✓	✓	✓	✓	✓	
757	34.6	254 ✓	13	✓✓		7637		✓		3180														✓	✓	✓	✓	✓	
758	34.4	214 ✓	14	✓✓		7166		✓		3181									✓					✓	✓	✓	✓	✓	
759	34.2	186 ✓	15	✓✓		7498		✓		3182									✓					✓	✓	✓	✓	✓	
760	34	169 ✓	16			7061		✓		3186													✓	✓	✓	✓	✓	✓	
761	33.5	148 ✓	17			7483	7223	✓		3187														✓	✓	✓	✓	✓	
762	33.1	139 ✓	18	✓✓		7357		✓		3188			✓					✓		✓	✓			✓	✓	✓	✓	✓	
763	32.9	130 ✓	19	✓✓		7431		✓		3189														✓	✓	✓	✓	✓	
764	32.6	115 ✓	20	✓✓		7504		✓		3190														✓	✓	✓	✓	✓	
765	32.3	94 ✓	21	✓✓		7353		✓		3191														✓	✓	✓	✓	✓	
766	32	75 ✓	22	✓✓		7383		✓		3192														✓	✓	✓	✓	✓	
767	chlmax	50 ✓	23	✓✓		7795	7467	✓		3098								✓						✓	✓	✓	✓	✓	
768		5 ✓	24	✓✓	✓	7201		✓	✓	2099			✓	✓				✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	

Comments :

tmax moved from bottle 11
 to bottle 10 just in
 case there is a trip problem.

Rosette sampling log mission 2006-18

Cast # 51
Station CB-9
CTD Filename 200618-051

Date (UTC) 30 Aug 2006
UTC/Local time 08:02 / 02:02
CTD Operator SN

In-air press 0.253 / 0.177
Ice (tenths) 9/10
Start Scan 2500
Water Depth 3819
Lat (N) 77° 58.969 'N
Lon (W) 149° 52.272 'W

(w/o +9 hull correction / sound speed)

CB-9

Cesium + Iodine
+ CFC

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Dis. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	SIC	C-13	POC	TOTAL CHL a 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O46	Ba	H-3	I-129	Cs-137	I85	
721		1000	✓	1	✓✓																								
722		"	✓	2																									
723		"	✓	3	✓✓																								
724		"	✓	4	✓✓																								
725		"	✓	5	✓✓	✓	9024		✓	✓	3130									✓	✓				✓	✓			
726		800	✓	6	✓✓																								
727		"	✓	7																									
728		"	✓	8	✓✓																								
729		"	✓	9	✓✓	✓	8968		✓	✓	3135									✓	✓				✓	✓			
730		"	✓	10	✓✓																								
731	Smin (600)	600	✓	11	✓✓																								
732	"	600	✓	12	✓✓																								
733	"	600	✓	13	✓✓																								
734	"	600	✓	14	✓✓																								
735	"	600	✓	15	✓✓	✓	8953		✓	✓	3151									✓	✓				✓	✓			
736	Tmax (400)	374	✓	16	✓✓																								
737	"	374	✓	17	✓✓																								
738	"	374	✓	18	✓✓																								
739	"	374	✓	19	✓✓																								
740	"	374	✓	20	✓✓	✓	7222		✓	✓	3157																		
741	O ₂ min (300)	230?	✓	21	✓✓																								
742	S=34.5	230?	✓	22	✓✓																								
743	"	230?	✓	23	✓✓																								
744	"	230?	✓	24	✓✓	✓	7552		✓	✓	3159									✓	✓				✓	✓			

TOP CAP NOT CLOSED / PUT SAMPLE

slow leak from spigot
top up from 10

topping up with 11

topping up w/ 19

Comments :

① Please wait 2 min at each depth before closing the set of 4 or 5 Niskins.
Extra Niskin (the 5th) added in case a Niskin does not fire

Smin (600m)
34.7 ~ 35.0 psu
-1 ~ 1°C

34.86
34.86

Omin (300m)
(LHW)
5 ~ 7 ml/l
33 ~ 35 psu

51

Rosette sampling log mission 2006-18

Cast # 50 Date (UTC) 2006-08-29 In-air press 0.21 m Water Depth 3816
 Station CB-8 UTC/Local time 19:23 Ice (tenths) 6-7 Lat (N) 76 57.511
 CTD Filename 200618_50.dat CTD Operator MD Start Scan 12200 Lon (W) 149 52.967

(w/o +9 hull correction / sound speed)

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	6	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	DOC	TOTAL CHL a 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	44	O18	Ba	45	429	Ca-437	455	
697	Bottom	3814	1	✓	L	7353			✓	3012										✓	✓								
698		3000	2	✓	✓	9114			✓	3040	3061	3075									✓	✓							
699		2500	3	✓	L	7332				3082										✓	✓								
700		1500	4	✓	L	9066				3094																			
701		1000	5	✓	✓	8953				3100																			
702		800	6	✓	✓					3104																			
703		600	7	✓	✓	8795				3107									✓				✓	✓					
704		500	8	✓	L	7467				3108											11								
705		450	9	✓	✓	8978	89			3109																			
706	tmax	400	10	✓	✓	8780	7435		✓	3113																			
707	34.75	334	11	✓	L	7353			✓	3116	3118	3119																	
708	34.7	318	12	✓	L	7223				3121																			
709	34.6	286	13	✓	L	9069				3123								✓											
710	34.4	243	14	✓	L	7201				3124									✓										
711	34.2	219	15	✓	✓	7357	9837			3125																			
712	34	204	16	✓	L	7678				3137													✓	✓					
713	33.5	183	17	✓						3142																			
714	33.1	164	18	✓	✓	7352				3183								✓			✓								
715	32.9	146	19	✓	✓					3200																			
716	32.6	118	20	✓	✓					3201																			
717	32.3	93	21	✓	✓					3202																			
718	chl max	53	22	✓	L	7475				3203								✓											
719		20	23	✓	✓					3204										✓	✓								
720		5	24	✓	L	7629			✓	3206				✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Comments :

2° transmissometer reads high
 in 2500m clear water reads 91.2
 1° reads 90.75 - clear air 90.2!

end air P = 0.145 db.
 0.16m.

one of these

nuts:
 triplicates on ~2 and ~18
 11 samples on mid-range
 depth into plastic

stopped at 330m
 to change winch
 gears.
 stopped at 348m on up cast
 to change gears

Rosette sampling log mission 2006-18

Cast # 49 Date (UTC) 29 Aug 2006 In-air press 0.224/0.131 Water Depth 3780
Station C13-7 UTC/Local time 08:20 / 02:20 Ice (tenths) 5/10 Lat (N) 76° 0.226' N
CTD Filename 200618-048 CTD Operator SN Start Scan 10225 Lon (W) 149° 59.324' W

(w/o +9 hull correction / sound speed)

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	DISC	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	C-13	POC	TOTAL CHL a 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	Ca	Mg	Fe	TSS
673	Bottom	3820	✓	1	✓	8968		✓	2009										✓	✓							
674		3000	✓	2	✓	7552	7201		2014										✓	✓							
675		2500	✓	3	✓	7678		✓	2015	2017									✓	✓							
676		2000	✓	4	✓	7435			2025											✓	✓						
677		1000	✓	5	✓	8980			2027											✓	✓						
678		1800	✓	6	✓	7417			2032											✓	✓						
679		600	✓	7	✓	7637			2033											✓	✓						
680		500	✓	8	✓	7357			2047									✓		✓	✓						
681		450	✓	9	✓	9114			2044											✓	✓						
682	tmax	409	✓	10	✓	7433	7353		2049										✓	✓							
683	34.75	346	✓	11	✓			✓	2051	2056																	
684	34.6	287	✓	12	✓	9024		✓	2059	2056																	
685	34.4	253	✓	13	✓	8995			2060																		
686	34.2	238	✓	14	✓	9047			2061									✓		✓	✓						
687	34	227	✓	15	✓	7467	7504		2063																		
688	33.5	198	✓	16	✓	7223			2064																		
689	33.1	174	✓	17	✓	9069			2068																		
690	32.9	128	✓	18	✓	9061		✓	2069	2073																	
691	32.3	100	✓	19	✓	8953			2074																		
692	chl/tmax	59	✓	20	✓	7222			2084						✓	✓	✓										
693	tmin	30	✓	21	✓	7676			2085				✓		✓	✓	✓										
694	tmax	17	✓	22	✓			✓	2086				✓		✓	✓	✓										
695	tmax	17	✓	23	✓								✓		✓	✓	✓										
696	5	5	✓	24	✓	7332		✓	2087				✓		✓	✓	✓										

Comments :

Ad sample depths to include tmin and 34.2, but keep deep samples, so giving up 34.7 and 32.6

Stop Rosette to make sure both bottles are in tmax (~20m)

IF no Tmax, take 20m and 32.6 and don't take extra C-13, add bacteria, alk, sal, nut O18, Ba, oxy for #23

one of these

triplicates

Found "CFC-Free" cups on cast

- plumbing on CTD scribbled post
- Telly Fish
- new TRANS?

53

Rosette sampling log mission 2006-18

Cast #48

Station Barrow

CTD Filename 200618-048

Date (UTC) 26 Aug 2006

UTC/Local time 16:51

+ CTD Operator Spieler

In-air press 0.36 / 0.31

Ice (tenths) 0

Start Scan 10297

(w/o +9 hull correction / sound speed)

Water Depth 53 m

Lat (N) 71 20.828' N

Lon (W) 156 51.434' W

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Rosette sampling log mission 2006-18

Cast # 47
Station C15-4
CTD Filename 200618_047

Date (UTC) Aug. 25/06
UTC/Local time 00:41/6:41pm
CTD Operator JT

In-air press 0.28/0.3'
Ice (tenths) 3/0
Start Scan 11881

(w/o +9 hull correction / sound speed)
Water Depth 3778m
Lat (N) 74°59.108'N
Lon (W) 150°3.811'W

Jen's cast
(POC+TSS)
+ Intrusions

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	POC	TOTAL CHLa 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	O18	Ba	H-3	I-129	TSS
637	Tmin 470	465 ✓	1	✓	✓	7353			✓	3130	3135								✓	✓				✓	
638	450	455 ✓	2	✓	✓	9054			✓	3151	3159								✓	✓				✓	
639		442 ✓	3	✓	✓	9114			✓	3157	3160								✓	✓				✓	
640 *	Tmax 437	442 ✓	4																						
641	Tmin 425	425 ✓	5	✓	✓	7433			✓	3161	3164								✓	✓				✓	
642	Tmax 405	400 ✓	6	✓	✓	7467			✓	3171	3166								✓	✓				✓	
643	Tmin 375	375 ✓	7	✓	✓	9097			✓	3075	3174								✓	✓				✓	
644	34.4	260 ✓	8	✓										✓					✓	✓					
645	34.2	241 ✓	9	✓	✓	8995			✓	3179	3178	3177							✓	✓					
646	33.1	176 ✓	10	✓										✓					✓						
647	32.9	158 ✓	11	✓										✓					✓						
648	32.6	125 ✓	12	✓										✓					✓						
649	32.3	99 ✓	13	✓										✓					✓						
650	chl max	75 ✓	14	✓					✓	3180								✓	✓	✓		✓	✓		
651	chl max	54 ✓	15	✓										✓				✓	✓	✓					✓
652	+max	50 ✓	16	✓					✓	3181				✓				✓	✓	✓					
653	+min	30 ✓	17	✓					✓	3182								✓	✓	✓		✓	✓		
654	20	20 ✓	18	✓					✓	3186				✓	✓			✓	✓	✓					
655			19																						
656	10	18 ✓	20	✓					✓	3187				✓				✓	✓	✓		✓	✓		
657	5	5 ✓	21	✓					✓	3188				✓				✓	✓	✓					Upper O-ring leak
658	5	5 ✓	22	✓					✓					✓											✓
			23																						
			24																						

Comments :

trip but
don't sample
3+19

IOS
chl?

6. From surface?
sample 1. cast 2?

Rosette sampling log mission 2006-18

Cast # 46
Station CB-4
CTD Filename 200618-046

Date (UTC) 24 Aug 2006
UTC/Local time 14:15 / 08:15
CTD Operator SN

In-air press 0.264 / 0.245
Ice (tenths) 3/10
Start Scan 8000 ?
(w/o +9 hull correction / sound speed)
Water Depth 3778
Lat (N) 74° 59.160' N
Lon (W) 150° 1.920' W

Full Chem
Cast

MOORING SITE

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	POC	TOTAL CHL a 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NO ₃ -N	O18	Ba	H-3	NO ₂ -N	NO ₃ -N	TSS
613	Bottom	3815	✓	1	✓																							
614	Bottom	3815	✓	2	✓	9087		✓	✓	3100			✓							✓	✓				✓			
615		3000	✓	3	X																							
616		2000	✓	4	✓	7024			✓	3109	3107	3108									✓	✓						
617		1500	✓	5	✓	7053				3113																		
618		1000	✓	6	✓	9054			✓	3116	3118	3119																
619		800	✓	7	✓	9114	8980			3121																		
620		600	✓	8						3123									✓				✓	✓				
621		500	✓	9	✓	7467				3124																		
622		450	✓	10	✓	7504				3137																		
623	tmax	437	✓	11	✓	7223	9061			3183																		
624	34.75	349	✓	12	✓	7222		✓		3200															✓			
625	34.7	325	✓	13	✓	8968		✓		3201																		
626	34.6	295	✓	14	✓	7637		✓		3202										✓					✓			
627	34.4	261	✓	15	✓	7552				3203									✓		✓							
628	34	227	✓	16	✓	7417		✓		3204													✓	✓	✓			
629	33.5	204	✓	17	✓	7201				3206																		
630	33.1	177	✓	18	✓	7698		✓		3208									✓						✓			
631	32.9	157	✓	19	X														✓									
632	32.6	128	✓	20	✓	7435		✓		3126									✓									
633	32.3	99	✓	21	✓	9069				3082									✓				✓	✓				
634	chl MAX	53	✓	22	✓	8953		✓		3084								✓							✓			
635		20	✓	23	✓	9066		✓		3096								✓								✓		
636		5	✓	24	✓	7332		✓	✓	3040			✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Comments :

Rosette sampling log mission 2006-18

Cast # 45
Station CB-5
CTD Filename _____

Date (UTC) 24 Nov 06
UTC/Local time 0428 / 2228
CTD Operator _____

In-air press -10.187
Ice (tenths) 1/10
Start Scan 7993

(w/o +9 hull correction / sound speed)
Water Depth 3793 / 1463 CTD shows 3835 + 8 = 3843m
Lat (N) 75 19.238
Lon (W) 153 16.2023

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	C-13	TOTAL CHL a 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	HS	PO4	CS437	RES
589	Bottom	3835	1	✓					✓	2007								✓	✓	✓						
590		3000	2	✓						2014								✓	✓	✓						
591		2000	3	✓						2017								✓	✓	✓						
592		1500	4	✓						2015								✓	✓	✓						
593		1000	5	✓					✓	2047	2027	2032						✓	✓	✓						
594		800	6	✓	✓	9047				2033								✓	✓	✓		✓	✓			
595		600	7	✓	✓	7433				2044							✓	✓	✓							
596		500	8	✓	✓					2025								✓	✓	✓						
597		450	9	✓	✓	8990				2049								✓	✓	✓						
598	Tmax	420	10	✓	✓	9114			✓	2051	2056	2059						✓	✓	✓						
599	34.75	320	11	✓	✓					2060								✓	✓	✓						
600	34.6	282	12	✓	✓	8978				2061								✓	✓	✓						
601	34.4	245	13	✓	✓					2063							✓	✓	✓							
602	34.2	219	14	✓	✓	7353				2064								✓	✓	✓						
603	34.0	204	15	✓	✓					2068								✓	✓	✓		✓	✓			
604	33.5	185	16	✓	✓					2069								✓	✓	✓						
605	33.1	159	17	✓	✓	8953				2073						✓		✓	✓	✓						
606	32.9	148	18	✓	✓					2074								✓	✓	✓						
607	32.6	121	19	✓	✓					2084								✓	✓	✓						19 DID NOT TRIGGER
608	32.3	99	20	✓	✓					2085								✓	✓	✓						
609	chl max	53	21	✓	✓					2086						✓		✓	✓	✓						
610	Tmax	48	22	✓	✓					2087								✓	✓	✓						
611		20	23	✓	✓					2088						✓		✓	✓	✓						
612		5	24	✓	✓				✓	2089			✓			✓	✓	✓	✓	✓	✓	✓	✓			

Comments :

if time allows etc!

one or the other

full set of dables for NT

• 1655m out A to highspeed gear

Rosette sampling log mission 2006-18

Cast # 44
Station CB-5a
CTD Filename 200618-049

Date (UTC) 23 Aug 2006
UTC/Local time 2315
CTD Operator

In-air press 1
Ice (tenths) 2
Start Scan 1

(w/o +9 hull correction / sound speed)
Water Depth 3773
Lat (N) 75 32.53
Lon (W) 155 37 30

50
28

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	POC	TOTAL CHL a 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	I-129	Ce-137	TSS	
584	Tmax	50	1	✓✓															✓	✓	✓		✓	✓					0
585	Tmax	45	2	✓✓															✓	✓	✓		✓	✓					5
586	Tmin	35	3	✓✓															✓	✓	✓		✓	✓					15
587	Tmin	28	4	✓✓															✓	✓	✓		✓	✓					22
588	Tmax	18	5	✓✓															✓	✓	✓		✓	✓					32
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			24																										

Comments :

Bottle cast only. No CTD, 11 to surface
although ~~END~~ ROS cast at same station, cast 43. ⁵⁸
We wanted extra water for near surface features.

Rosette sampling log mission 2006-18

Cast # 43
Station CB-5a
CTD Filename 200618-043

Date (UTC) 23 Aug 2006
UTC/Local time 20:56 / 14:56
CTD Operator SN

In-air press 0.264 / 0.250
Ice (tenths) 3/10
Start Scan 12041
(w/o +9 hull correction / sound speed)
Water Depth 3793 / 1465
Lat (N) 75° 33.618' N
Lon (W) 155° 34.536' W

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DOC	C-13	POC	TOTAL CHL a	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	U5	U29	U137	TSS		
560	Bottom	3832	✓	1	✓✓										✓✓													✓✓✓		
561	Bottom	3832	✓	2	✓✓				✓	3003											✓	✓								
562		3000	✓	3	✓✓	✓	7201		✓✓	3012	3007	3004																		
563		2000	✓	4	✓✓	✓	9060			3016											✓									
564		1000	✓	5	✓✓	✓	7357			3018												✓								
565		1800	✓	6	✓✓	✓	7637			3019																				
566		600	✓	7	✓✓	✓	7332			3024									✓											
567		450	✓	8	✓✓	✓	7676		✓✓	3028	3038	3034																		
568	4max	404	✓	9	✓✓	✓	7552	8968		3142																				
569	34.75	295	✓	10	✓✓	✓	9061			3043																				
570	34.6	254	✓	11	✓✓	✓	9054			3047																				
571	34.4	214	✓	12	✓✓					3048					✓✓				✓											
572	34.2	187	✓	13	✓✓	✓	7417			3051																				
573	34.0	173	✓	14	✓✓					3052											✓		✓	✓						
574	33.5	148	✓	15	✓✓			✓✓	✓	3055	3067	3069																		
575	33.1	134	✓	16	✓✓	✓	7504			3057					✓✓			✓												
576	32.9	124	✓	17	✓✓					3058					✓✓			✓												
577	32.6	107	✓	18	✓✓					3063					✓✓			✓		✓	✓		✓	✓						
578	32.3	88	✓	19	✗										✓✓			✓												did not fire
579	chl Max	53	✓	20	✓✓			✓	✓	3094							W	W	✓	✓	✓		✓	✓						
580	chl Max	53	✓	21	✓✓										✓✓														✓✓	
581		20	✓	22	✓✓			✓	✓	3096					✓✓		W	W	✓	✓	✓		✓	✓						— Phyto Last, will be close
582		5	✓	23	✓✓			✓	✓	3098				✓	✓✓		W	✓	✓	W	✓		✓✓	✓✓						
583	TSS	5	✓	24	✗																									did not fire

Comments :

— Phyto Last, will be close

slow leak @ Bottom

Rosette sampling log mission 2006-18

Cast # 42
Station CB5b12
CTD Filename 200618_042

Date (UTC) Aug. 23, 2006
UTC/Local time 12:09
CTD Operator JJ

In-air press 0.2
Ice (tenths) 3/10
Start Scan 6409

(w/o +9 hull correction / sound speed)
Water Depth 1306
Lat (N) 75° 27.365' N
Lon (W) 157° 15.596' W

Gewen

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	4b	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	POC	TOTAL CHL a 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	I-129	C6-137	TSS
536	Bottom	1319	1	✓✓	✓	7435			✓	3130					✓✓					✓	✓							
537		1212	2	✓✓		7678				3135					✓✓													
538		1000	3	✓✓		7383			✓✓	3151	3157	3159							✓	✓	✓		✓	✓				
539		800	4	✓✓		7223				3160																		
540		600	5	✓✓		7332				3161																		
541	(Tmax)	410	6	✓✓	✓	7467	7676			3164																		
542	1+min	382	7	✓✓	✓	9054	8980			3166																		
543	tmax	373	8	✓✓		7433				3171																		
544	34.75	315	9	✓✓		9047				3174																		
545	34.7	301	10	✓✓		8955				3177																		
546	34.6	275	11	✓✓	x	8953				3178									✓									
547	34.4	233	12	✓✓		7353				3179					✓✓													
548	34.2	207	13	✓✓		8978				3130																		
549	34	193	14	✓✓		9114			✓✓	3181	3182	3186								✓	✓		✓	✓				
550	33.8	183	15	✓✓	x	7224				3187																		
551	33.4	168	16	✓✓	✓	4024				3188								✓				✓	✓					
552	33.1	157	17	✓✓						3189					✓✓													
553	32.9	146	18	✓✓						3190					✓✓													
554	32.3	99	19	✓✓						3191					✓✓													
555	chl max 850	49	20	✓✓						3192					✓✓			✓										
556	tmax 40	42	21	✓✓						3193					✓✓													
557	tmin	29	22	✓✓						3194					✓✓													
558	tmax 20	14	23	✓✓						3196					✓✓								✓	✓				
559		5	24	✓✓					✓	3198					✓✓			✓		✓	✓	✓	✓	✓				

Comments :

*T: take Timex
+ then local
min + max above
+ below the main
Timex → see cast
#40

Fluorometer
not showing on
chart - Based
chl a max on trans min

Rosette sampling log mission 2006-18

Cast #
40

Station
CB5610

CTD Filename
200618-040

Date (UTC)
22 Aug 2006

UTC/Local time
19:52 / 13:52

CTD Operator
SAI

In-air press
-10.303

Ice (tenths)
8

Start Scan
6625

(w/o +9 hull correction / sound speed)

Water Depth
1266

Lat (N)
25° 28.595

Lon (W)
157° 10.084

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DO	C-13	POC	TOTAL CHL a	Phyco	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NO4	O18	Ba	HS	129	137	135		
514	500 ✓		1	✓✓	✓	7332			✓	3012									✓	✓	✓									
515	Tmax 460	440	2	✓✓		7223				3016																				
516	Tmax 455	430	3	✓✓		8953				3018																				
517	Tmax 410	415	4	✓✓		7353			✓✓	3038	3034	3033																		
518	Tmax 360	390	5	✓✓	✓	8995	9054			3028																				
519	Tmax 340	375	6	✓✓		8980				2024																				
520	34.6	275	7	✓✓		7222				3019																				
521	34.4	235	8	✓✓		7433				2142									✓											
522	34.2	207	9	✓✓		8968				2043																				
523	34	192	10	✓✓	✓	7412	7435			3047													✓	✓				Very	slow leak lower O-ring	
524	33.8	183	11	✓✓		7201				3048																				
525	33.4	171	12	✓✓		8978				3051													✓	✓						
526	33.1	156	13	✓✓		7383				3052								✓												
527	32.9	147	14	✓✓		7678				3069																				
528	32.6	121	15	✓✓		7637				3067																				
529	32.3	97	16	✓✓		9061				3063																				
530	Chl Max	48	17	✓✓		7357				3058								✓												
531	Tmax	40	18	✓✓		7504			✓✓	3075	3057	3055																		
532	Tmin	30	19	✓✓	✓	9114				2092								✓												
533	20		20	✓✓						3094													✓	✓						
534	5		21	✓✓					✓	3096				✓				✓	✓	✓	✓	✓	✓	✓						
			22																											
			23																											
			24																											

Comments :

Rosette sampling log mission 2006-18

CTD + Niskin
cast

Cast # CB-569
Station 39
CTD Filename 200618-039.lex

Date (UTC) 22/08/2006
UTC/Local time 0835/0235
CTD Operator _____

In-air press /
Ice (tenths) 5
Start Scan /

(w/o +9 hull correction / sound speed)
Water Depth 1409
Lat (N) 75 27.83
Lon (W) 156 58.25

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	POC	TOTAL CHLa 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	I-129	C-137	TSS	
506	33.1	150	1	✓X															✓	✓	✓		✓	✓					Leak O-ring
507		100	2	✓X																									
508		75	3	✓✓																									
509	tmax	50	4	✓X																									
510	tmin	30	5	✓X					✓	3003						✓				✓	✓								5L
511	tmax	13	6	✓✓					✓✓	3004 3009						✓				✓	✓								5L
512	tmin	10	7	✓X																									Air valve problem / sh / stopcock
513	surf	5	8	✓✓															✓	✓	✓		✓	✓					
			9																										
			10																										
			11																										
			12																										
			13																										
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			21																										
			22																										
			23																										
			24																										

Comments :

Rosette sampling log mission 2006-18

CTD + Niskin
cast

Cast # 38
Station C13-568
CTD Filename 200618-038.vot

Date (UTC) 21/08/2006
UTC/Local time 1920/11320
CTD Operator JE/HAM MD

In-air press
Ice (tenths) 5/10
Start Scan

(w/o +9 hull correction / sound speed)

Water Depth 1398
Lat (N) 75 26.37
Lon (W) 156 41.90

#2/045#
MOOG
12/04/04

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	POC	TOTAL CHL a	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	I-129	Cs-137	TSS		
497		225	1	✓✓					✓	2007	2014								✓	✓	✓								5L	
498		200	2	✓✓					✓	2015										✓	✓	✓								
499		180	3	✓X					✓	2017										✓	✓	✓								slow leak spinot
500		110	4	X✓														✓	✓	✓	✓		✓	✓						lower O-ring leak
501		75	5	X✓														✓	✓	✓	✓		✓	✓						lower O-ring leak
502		50	6	✓✓													✓	✓	✓	✓	✓		✓	✓						5L
503		30	7	X✓													✓	✓	✓	✓	✓		✓	✓						O-ring leak (lower)
504		12	8	✓✓													✓	✓	✓	✓	✓		✓	✓						3L
505		3	9	✓✓														✓	✓	✓	✓		✓	✓						
			10																											
			11																											
			12																											
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			21																											
			22																											
			23																											
			24																											

Comments :

Rosette sampling log mission 2006-18

Cast #
Station
CTD Filename

35
CB-565

Date (UTC)
UTC/Local time
CTD Operator

2006/08/20
1600/1000
HM+ watch

In-air press
Ice (tenths)
Start Scan

n/a
6/10
n/a

(w/o +9 hull correction / sound speed)
Water Depth
Lat (N)
Lon (W)

1912
75 27.934
156 16.308

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	POC	TOTAL CHLa 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	I-129	Cs-137	TSS	
490	EMAX	405	1	✓x					✓	3003										✓	✓								
491	34.4	230	2	✓✓						3004									✓	✓	✓								sampled dups lost 5L
492	34.2	205	3	✓✓						3007										✓	✓								
493	33.9	190	4	✓x						3012										✓	✓								Leaking from air vent
494	33.8	185	5	xx															✓	✓	✓								did not fire. " 5L
495	33.4	170	6	✓✓																✓	✓								
496	33.1	155	7	x✓					✓	3019									✓	✓	✓								"L" " 5L
			8																										↳ pottle 7 leaking from
			9																										lower O-ring
			10																										
			11																										
			12																										
			13																										
			14																										
			15																										
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			24																										

Comments :

Rosette sampling log mission 2006-18

Cast # 30
Station CB-5b
CTD Filename 200618-030

Date (UTC) 19 Aug 2006
UTC/Local time 00:10 / 18:10
CTD Operator SN

In-air press 0.202/0.276
Ice (tenths) 3
Start Scan 9961

(w/o +9 hull correction / sound speed)
Water Depth 1811
Lat (N) 25° 35.258' N
Lon (W) 156° 12.051' W

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DOC	C-13	POC	TOTAL CHL a 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H5	1429	CO47	TSS	
466	Bottom (BS)	1814 ✓	1	✓✓											✓✓													✓✓✓	
467	Bottom	1814 ✓	2	✓✓	✓	9047	7678		✓	2007										✓	✓								
468		1400 ✓	3																										
469		1000 ✓	4	✓✓	✓	7637			✓✓	2027	2015	2017									✓								
470		800 ✓	5	✓✓	✓	8953				2032										✓									
471		600 ✓	6	✓✓	✓	8995				2033																			
472		450 ✓	7	✓✓	✓	7353				2044																			
473	tmax	400 ✓	8	✓✓	✓	7223	9054			2049																			
474	34.75	309 ✓	9	✓✓	✓	7433				2051																			
475	34.6	267 ✓	10	✓✓	✓	7357				2056												W							
476	34.4	230 ✓	11	✓✓	✓	9069				205X					✓✓				✓			W							
477	34.2	205 ✓	12	✓✓	✓	7504				2059									1			✓ (✓✓)							
478	34	193 ✓	13	✓✓	✓	7417				2060												W							
479	33.5	175 ✓	14	✓✓	✓	9066				2061												W							
480	33.1	160 ✓	15	✓✓	✓	9061			✓✓	2063	2064	2068			✓✓			✓				W	✓	✓					
481	32.9	143 ✓	16	✓✓	✓	8968				2069					✓✓			✓				W	✓	✓					
482	32.6	117 ✓	17	✓✓						2073					✓✓			✓			✓	W	✓	✓					
483	32.3	92 ✓	18	✓✓	✓	8980				2074					✓✓			✓				W	✓	✓					
484	Tmax	50 50	19	✓✓	✓	9114			✓	2084						✓		✓	✓	✓	✓	W	✓	✓					
485	chlMax (TSS)	50 50	20	✓✓											✓✓														✓✓
486	chlMax	50 40	21	✓✓	✓	7222			✓	2085							✓✓	✓	✓	✓	✓	W	✓	✓					
487		20	22	✓✓	✓	7332			✓	2086					✓✓	✓		✓✓	✓	✓	✓	W	✓	✓					
488		5 (TSS)	23	✓✓											✓✓														✓✓✓
489		5	24	✓✓					✓	2087				✓		✓		✓	✓	✓	✓	W	✓	✓					
C13 picked with pipette																													

Comments :

21

↑
7:00

↑

Krishna
2 new
bottles, not
taken previously
except @ CB-5d
- 2

large jellyfish caught by rosette
mostly draped over CTD fish.

Rosette sampling log mission 2006-18

Cast # 29
Station CB-5d
CTD Filename 200618-29

Date (UTC) Aug 18, 2006
UTC/Local time 20:50 / 14:50
CTD Operator SN

In-air press 0.232/0.300
Ice (tenths) 0
Start Scan 0521
Water Depth 920
Lat (N) 75° 49.118' N
Lon (W) 157° 12.554' W

(w/o +9 hull correction / sound speed)

TSS included

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	Dis. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	C-13	POC	TOTAL CHL a 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H3	X29	X37	TSS
442	Bottom	912	✓	1	✓								✓													✓
443	Bottom	912	✓	2	✓			✓	3100	3104	3107							✓	✓							✓
444		800	✓	3	✓	✓	8980		3102									✓								
445		600	✓	4	✓	✓	7332		3109										✓							
446		500	✓	5	✓				3113								✓				✓	✓				
447		450	✓	6	✓	✓		✓	3116	3118	3119															
448	tmax	370	✓	7	✓	✓	7676	9114	3121																	extra NH4 for standards
449	34.75	314	✓	8	✓				3123																	
450	34.6	266	✓	9	✓	✓	7323		3124																	
451	34.4	236	✓	10	✓				3126											✓	✓					
452	34.2	217	✓	11	✓	✓	9024		3137								✓		✓	✓						
453	34	205	✓	12	✓				3133											✓	✓					slow leak lower O-ring
454	33.7	194	✓	13	✓				3200											✓	✓					
455	33.4	179	✓	14	✓				3201				✓							✓	✓					
456	33.1	165	✓	15	✓	✓	7322		3202				✓			✓		✓		✓	✓	✓				CLOSE
457	32.9	148	✓	16	✓				3203				✓			✓				✓	✓					
458	32.6	117	✓	17	✓				3204				✓			✓				✓	✓					
459	32.3	70	✓	18	✓			✓	3206				✓			✓	✓	✓	✓	✓	✓	✓				
460	Available	30 44	✓	19	✓			✓	3209				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
461	CM1 Max	44 44	✓	20	✓								✓			✓				✓	✓					✓
462	CM1 Max	30 30	✓	21	✓			✓	3207				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
463	20	20	✓	22	✓			✓	3209				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
464	5	5	✓	23	✓								✓			✓				✓	✓					✓
465	5	5	✓	24	✓			✓	2078			✓		✓	✓	✓	✓	✓	✓	✓	✓	✓				✓

Comments :

- ① Trans. Feature for TSS+POC
OR
② T_{max} (summer Bering Sea Water)
for all other!

what ever is left

set graph for Trans
@ 80-100 (?)

Rosette sampling log mission 2006-18

Cast # 28
Station CB3
CTD Filename 200618_028.dat

Date (UTC) Aug. 16 / 06
UTC/Local time 12:54 / 6:54
CTD Operator JJ

In-air press 0.25 / 0.2
Ice (tenths) 8 / 10
Start Scan 6121

(w/o +9 hull correction / sound speed)
Water Depth 3774 m 1463 m/s
Lat (N) 73° 59.663' N
Lon (W) 150° 1.494' W

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DOC	C-13	DOC	TOTAL CHL a 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	I-129	Cs-137	TSS	
418	Bottom	3830 ✓	1	✓✓					✓	3003										✓	✓								
419	3000	3000 ✓	2	✓✓						3004										✓									
420	2500	2500 ✓	3	✓✓						3007																			
421	2000	2000 ✓	4	✓✓					✓✓	3012	3016										✓								
422	1500	1500 ✓	5	✓✓						3018																			
423	1000	1000 ✓	6	✓✓						3019																			
424	800	800 ✓	7	✓✓						3024																			
425	600	600 ✓	8	✓✓						3028									✓				✓	✓					
426	500	500 ✓	9							3033																			
427	450	450 ✓	10							3034																			
428	tmax	401 ✓	11						✓✓	3038	3043																		
429	34.75	346 ✓	12							3047																			
430	34.7	318 ✓	13							3048																			
431	34.6	285 ✓	14							3051									✓										
432	34.4	251 ✓	15							3052									✓		✓	✓✓							
433	34	220 ✓	16	✓✓						3055									✓			✓✓	✓	✓					
434	33.5	198 ✓	17	✓✓						3057									✓			✓✓	✓	✓					17 CLOSED ON SURFACE
435	33.1	170 ✓	18	✓✓						3058									✓	✓		✓✓	✓	✓					
436	32.9	152 ✓	19	✓✓						3063									✓			✓✓	✓	✓					
437	32.6	121 ✓	20	✓✓						3067									✓			✓✓	✓	✓					
438	32.3	96 ✓	21	✓✓						3069									✓			✓✓	✓	✓					
439	chl MAX	53 ✓	22	✓✓						3075						✓	W		✓			✓✓	✓	✓					
440		20	23	✓✓						3092						✓	W		✓			W	✓	✓					
441	5	5	24	✓✓					✓	3096	3094			✓		✓	W		✓	✓	✓	W	✓	✓					E13 picking suspect

Comments :

↑
duplicates
for
chlF.

↑
if
Krishna
wants