

Rosette sampling log mission 2006-18

Cast # 81 Date (UTC) 22 Sep 2006
Station BEW-09 UTC/Local time 1914 / 1514
CTD Filename 200618-081.ctd CTD Operator SE

In-air press -1
Ice (tenths) 0
Start Scan -

(w/o +9 hull correction / sound speed)
Water Depth 688 / 1490
Lat (N) 72 24.462
Lon (W) 73 08.014

350 > 34.2
500 = 34.37
590 = 34.41

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	X	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	X	X	X	TOTAL CHL a	X	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	X	X	X	X
1323	Bottom	695	✓ 1	✓✓					✓	3003									✓	✓	✓	✓	✓	✓				
1324		600	✓ 2	✓✓	✓	9024	9114			3004									✓			⊗						
1325		500	✓ 3	✓✓	⊗	7678			✓	3006	3007								⊗									
1326		400	✓ 4	✓✓	✓	7467				3009									✓			✓						
1327		350	✓ 5	✓✓						3012																		
1328		200	✓ 6	✓✓	✓	9069			✓✓	3016	3018	3019							✓	✓	✓	✓						
1329		275	✓ 7	✓✓						3024																		
1330		250	✓ 8	✓✓						3028									✓			✓						
1331		225	✓ 9	✓✓						3032																		
1332		200	✓ 10	✓✓	✓	7552				3034									✓			✓						
1333		175	✓ 11	✓✓						3038											✓							
1334		150	✓ 12	✓✓						3040												✓						
1335		125	✓ 13	✓✓					✓	3043	3047																	
1336		100	✓ 14	✓✓	✓	7637				3048												✓	✓	✓				
1337		72-25	✓ 15	✓✓						3051																		
1338		50	✓ 16	✓✓						3052										✓	✓	✓						
1339		30	✓ 17	✓✓						3055												✓						
1340		20	✓ 18	✓✓						3057																		
1341		5	✓ 19	✓✓	✓	8995			✓	3058												✓	✓	✓				
			20																									
			21																									
			22																									
			23																									
			24																									

Comments :

slowed on upcast at 300m

⑧
Add #
station 3

↑
2x ↑

Rosette sampling log mission 2006-18

Cast # 79
Station BEW-10
CTD Filename 200618-079.dat

Date (UTC) 22 Sept
UTC/Local time 15:19
CTD Operator H. Diest

In-air press _____
Ice (tenths) 8
Start Scan 12937
(w/o +9 hull correction / sound speed)
Water Depth 150.7 / 1490m/s
Lat (N) 72°22.920 N
Lon (W) 73°49.552 W

15:17 ~ 170m
148 + 5.3
1527

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 #	X	X	X	TOTAL CHL a 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H3	X29	X37	X5
1315	Bottom	148+5.3 ✓	1	✓✓					✓	3119									✓	✓	✓	✓	✓	✓				
1316		125 ✓	2	✓✓	✓	7678	7024		✓	3121	3123							✓			✓	✓	✓					
1317		100 ✓	3	✓✓						3124											✓	✓	✓					
1318		75 ✓	4	✓✓						3126											✓	✓	✓					
1319		50 ✓	5	✓✓	✓	9066				3130											✓	✓	✓					
1320		30 ✓	6	✓✓	✓	7637				3135											✓	✓	✓					
1321		15 ✓	7	X ✓						3137											✓	✓	✓					
1322		5 ✓	8	✓✓	✓	9837			✓	3142								✓	✓	✓	✓	✓	✓					
			9																									
			10																									
			11																									
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Comments :

130
72.22 904 N
73.49 568 W (1527)

Rosette sampling log mission 2006-18

Cast # 78
Station BEW-11
CTD Filename 200618-098.dat

Date (UTC) Sept 22 2006
UTC/Local time 1234 / 0834
CTD Operator H. Drost

In-air press N/A / N/A
Ice (tenths) 0
Start Scan 11473

(w/o +9 hull correction / sound speed)
Water Depth 99.20 / 1490 m/s
Lat (N) 72°20.935 N
Lon (W) 74°24.049 W

50.124.4
12:35.36
101+5 bottom z.

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	Ca3	POC	TOTAL CHL a 0.70	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	I-129	Cs-137	TSS	
1308	Bottom	101+5	1	✓✓					✓	3100								✓	✓	✓	✓	✓	✓	✓					
1309		100 x	2	✓✓	✓	8995			✓	3104	3107							✓	✓	✓	✓	✓	✓	✓					Fired @ 94m
1310		75 ✓	3	✓✓						3108								✓	✓	✓	✓	✓	✓	✓					
1311		50 ✓	4	✓✓	✓	7637	9066			3109								✓	✓	✓	✓	✓	✓	✓					
1312		30 ✓	5	✓✓	✓	9024				3113								✓	✓	✓	✓	✓	✓	✓					
1313		15 ✓	6	✓✓						3116								✓	✓	✓	✓	✓	✓	✓					
1314	bottom	5 ✓	7	✓✓	✓	7678			✓	3118								✓	✓	✓	✓	✓	✓	✓					Bacteria was drawn before OXY read.
			8																										
			9																										
			10																										
			11																										
			12																										
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Comments : Rosette at "surface" - at least 1m z due to swell.

Rosette sampling log mission 2006-18

Cast # 77
Station LSP-1
CTD Filename 200618-077

Date (UTC) 21 Sept 2006
UTC/Local time 1804 / 1404
CTD Operator SB

In-air press -1
Ice (tenths) 0
Start Scan

(w/o +9 hull correction / sound speed)
Water Depth 767 / 1490 m/s
Lat (N) 73 50.992
Lon (W) 82 47.482

775m

1804

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 #	CFC	CFC	POC	TOTAL CHL a	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H3	H29	C3-137	SS
1296	Bottom		1	VV					✓	3151										✓	✓							
97		700 ✓	2	VV					✓	3157	3160									✓	✓		✓	✓				
98		5875 ✓	3	VV						3161										✓	✓							
99		500 ✓	4	VV					✓	3164	3166									✓	✓							
1300		350 ✓	5	VV						3171											✓	✓		✓	✓			
1		300 ✓	6	VV						3174													✓	✓				
2		225 ✓	7	VV						3177																		
3		180 ✓	8	VV						3178								✓										
4		100 ✓	9	VV						3180								✓										
5		50 ✓	10	VV						3181								✓										
6		20 ✓	11	VV						3182								✓										
7		5	12	VV					✓	3186								✓	✓	✓		✓	✓					
			13																									
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Comments :

Bacteria in
Box slots 60-64

Display for pressure froze but depth continued updating. ~~off~~ salinity sensors had 0.01 difference on display.

Rosette sampling log mission 2006-18

Cast # 75
Station CABOS
CTD Filename 200618-075.12
Date (UTC) 12 sept 2006
UTC/Local time 16:37 / 10:37
CTD Operator AD

In-air press 0.48 / 0.38
Ice (tenths) 3/10
Start Scan 8089
(w/o +9 hull correction / sound speed)
Water Depth 1121 m / 1480 m/s
Lat (N) 71°49' 714N
Lon (W) 131°45' 990' W

16:38:35. Repeat cast
41:35 @
end of cruise

Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	X	Diss. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	X	C-13	X	TOTAL CHL a 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	X	X	X	X	
1272	Bottom	1108	✓	1	✓	9054			✓	2007										✓	4								
1273		1000	✓	2	✓	8953				2014																			
1274		800	✓	3	✓	9047			✓	2015	2017	2025							✓				✓	✓					
1275		600	✓	4	✓	9069				2027																			
1276		500	✓	5	✓	7552				2032																			
1277		450	✓	6	✓	9114				2033																			
1278	6max	430	✓	7	✓	7383	7488			2044																			
1279	34.75	335	✓	8	✓	7676				2047									✓										
1280	34.7	303	✓	9	✓	9066				2049																			
1281	34.6	266	✓	10	✓	7467				2051																			
1282	34.4	228	✓	11	✓	7223				2056									✓										
1283	34.2	207	✓	12	✓	7222				2059									✓										
1284	34.0	194	✓	13	✓	7475				2060									✓			✓	✓	✓					
1285	33.7	178	✓	14	✓					2061									✓			✓	✓						
1286	33.4	162	✓	15	✓	7201				2063									✓			✓	✓	✓					
1287	33.1	141	✓	16	✓	7629	7353		✓	2069	2064	2068					✓		✓			✓	✓	✓					
1288	32.9	130	✓	17	✓					2073									✓			✓	✓	✓					
1289	32.6	112	✓	18	✓					2074									✓	✓		✓	✓	✓					
1290	32.3	89	✓	19	✓	7433				2085								✓	✓			✓	✓	✓					
1291	chl max	55	✓	20	✓	7352				2086						✓	✓	✓	✓			✓	✓	✓					
1292	6min	55	✓	21	✓	8968				2084								✓	✓			✓	✓	✓					
1293	6max	46	✓	22	✓					2087								✓	✓			✓	✓	✓					
1294		20	✓	23	✓	7504				2088						✓	✓	✓	✓			✓	✓	✓					
1295		5	✓	24	✓	8978			✓	2089				✓		✓	✓	✓	✓	✓	4	✓	✓	✓					lower O-ring leak

Comments :

(2nd sal guide ↑)

10
or
all
to
finish
off?

?

all
dups

4 at
each

check
w/ Kristin
12 samples,
to 34.0

Rosette sampling log mission 2006-18

Cast # 74
 Station CB-31a
 CTD Filename 2006-18_074.dat

Date (UTC) Sept 12/06
 UTC/Local time 08:20 / 02:20
 CTD Operator HD

In-air press 0.31 / 0.33
 Ice (tenths) 0
 Start Scan 10400

(w/o +9 hull correction / sound speed)
 Water Depth 1784 / 1480 m/s
 Lat (N) 72° 6' 20.00" N
 Lon (W) 133° 15' 36.0" W

1684 slow to 30 m/min

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 #	SiO₄	C-13	POC	TOTAL CHL a Chl a	Phylo	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	O18	Ba	H-3	C-129	C-137	CS	
1248	Bottom	1763	✓	1	✓✓	✓	7222		✓	✓	3151									✓	XX			✓				
1249		1500	✓	2	✓✓	✓	7637		✓	✓	3157	3160	3161											✓				
1250		1200	✓	3	✓✓	✓	7383		✓		3164													✓				
1251		1000	✓	4	✓✓	✓	7201	7332	✓		3166													✓				
1252		800	✓	5	✓✓	✓	7564		✓		3171													✓				
1253		600	✓	6	✓✓	✓	9054		✓		3174													✓				
1254		500	✓	7	✓✓				✓		3177								✓			✓	✓	✓				SPIGOT STILL LEAKS
1255		450	✓	8	✓✓	✓	7678		✓		3178													✓				
1256	t max	442	✓	9	✓✓	✓	7435		✓		3179	3199												✓				
1257	34.75	360	✓	10	✓✓	0	7417		✓		3180													✓				
1258	34.7	330	✓	11	??	0	8978				3181																	TOP VALVE MAY HAVE BEEN OPEN
1259	34.6	297	✓	12	✓✓	✓	8968		✓		3182													✓				
1260	34.4	259	✓	13	✓✓	0	9061				3186								✓									
1261	34.2	241	✓	14	✓✓	✓	9024		✓		3187													✓				
1262	34.0	227	✓	15	✓✓	✓	9114		✓		3188								✓			✓	✓	✓				
1263	33.5	198	✓	16	✓✓	✓	8995		✓		3190													✓				
1264	33.1	162	✓	17	✓✓	✓	9069		✓		3191							✓						✓				
1265	32.9	136	✓	18	✓✓				✓		3192	3193	3194															130m check O ₂ ↑
1266	32.6	100	✓	19	✓✓	✓	7433		✓		3196																	
1267	32.3	83	✓	20	✓✓						3198																	
1268	t max	65	✓	21	✓✓	✓	7352		✓		3016							✓						✓				
1269	t min	40	✓	22	✓✓						3040								✓									
1270		20	✓	23	✓✓				✓		3052													✓				
1271		5	✓	24	✓✓	✓	7353		✓	✓	3058			✓				✓	✓	✓	XX	✓	✓	✓				

Comments :

17

20

④
 For
 ALL,
 to be
 FROZEN

• at 290 m changed to high gear.
 • bot Δ'd gear ↑

②

Rosette sampling log mission 2006-18

Cast # 73
 Station CB-MED2
 CTD Filename 200618-073.dat

Date (UTC) Sept. 12/06
 UTC/Local time 02:02 / 20:02
 CTD Operator JJ

In-air press 0.224/0.337
 Ice (tenths) 0
 Start Scan 17000

(w/o +9 hull correction / sound speed)
 Water Depth 483m / 1480m/s
 Lat (N) 71° 7.972' N
 Lon (W) 133° 44.153' 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 #	DIC	C-13	POC	TOTAL CHL a 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	129	68-137	TSS	
1224	Bottom	474 ✓	1	✓✓											✓✓													✓✓✓	
1225	Bottom	474 ✓	2	✓✓	✓	9024		✓	✓	3003										✓	✓✓✓				✓				
1226		450 ✓	3	✓✓	✓	9847		✓	✓✓	3004	3006	3009													✓				
1227	Chl max	410 ✓	4	✓✓	✓	9837	7357	✓		3098					✓✓										✓				
1228	34.8	388 ✓	5	✓✓	○	8978		✓		3019										✓					✓				
1229	34.7	311 ✓	6	✓✓	✓	8953		✓		3024														✓					
1230	34.6	278 ✓	7	✓✓	○	7676		✓	✓	3028										✓	✓✓			✓					
1231	34.4	245 ✓	8	✓✓											✓✓										✓				
1232	34.4	245 ✓	9	✓✓	✓	9069		✓	✓	3033									✓	✓	✓✓				✓				
1233	34.2	224 ✓	10	✓✓					✓	3034									✓										
1234	34.0	208 ✓	11	✓✓	✓	9114		✓	✓	3038									✓			✓✓	✓	✓	✓				
1235	33.5	179 ✓	12	✓✓	○	9054			✓✓	3043	3047	3048							✓	✓	✓✓	✓✓	✓	✓					
1236	33.1 POC	150 ✓	13	✓✓											✓✓														
1237	33.1	150 ✓	14	✓✓	✓	9061		✓	✓	3051								✓	✓	✓	✓✓	✓✓	✓	✓	✓				
1238	32.9	125 ✓	15	✓✓					✓	3055					✓✓				✓			✓✓	✓	✓					
1239	32.8	93 ✓	16	✓✓					✓	3057					✓✓			✓	✓			✓✓	✓	✓					
1240	32.3	70 ✓	17	✓✓	○	7201		✓	✓	3061					✓✓			✓	✓			✓✓	✓	✓	✓				
1241	FREE	60 ✓	18	✓✓					✓	3063									✓	✓	✓✓	✓✓	✓	✓					
1242	Chl MAX POC	35 ✓	19																✓	✓	✓✓	✓✓	✓	✓					
1243		35 ✓	20	✓✓					✓	3067								✓	✓	✓	✓✓	✓✓	✓	✓					
1244	Chl max	20 POC	21	✓✓											✓✓			✓	✓	✓	✓✓	✓✓	✓	✓					
1245	Chl max	20 ✓	22	✓✓	○	7332		✓	✓	3069								✓	✓	✓	✓✓	✓✓	✓	✓	✓				✓✓✓
1246		5 POC	23	✓✓											✓✓							✓✓	✓	✓	✓				
1247		5 ✓	24	✓✓	✓	7504		✓	✓	3075				✓				✓	✓	✓	✓✓	✓✓	✓	✓	✓				✓✓✓

Comments :

Comments :

Rosette sampling log mission 2006-18

Cast # 72 Date (UTC) Sept. 12 / 06 In-air press 0.2/1.28 (w/o +9 hull correction / sound speed)
Station CB-MED1 UTC/Local time 00:12 Ice (tenths) 0 Water Depth 139m / 1480m/s
CTD Filename 200618-072.01 CTD Operator TJ Start Scan 10800 Lat (N) 70° 59.921' N
Lon (W) 133° 45.895' 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 #	DIC	C-13	POC	TOTAL CHL a 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	129	Cs-137	TSS	
1210	Bottom TSS	130	1	✓✓											✓✓													✓✓	
1211	Bottom	130	2	✓✓				✓	✓	3012								✓	✓	✓	✓	✓	✓	✓	✓			✓✓	
1212	32.6	102	3	✓✓											✓✓														
1213	32.6	102	4	✓✓				✓	✓	3108								✓	✓	✓	✓	✓	✓	✓	✓				
1214	32.3	60	5	✓✓											✓✓			✓	✓	✓	✓	✓	✓	✓	✓			✓✓	
1215	32.3	60	6	✓✓				✓	✓✓	3100	3104	3107						✓	✓	✓	✓✓	✓	✓	✓	✓			✓✓	
1216	50	50	7																										
1217	50	50	8	✓✓					✓	3108								✓	✓	✓	✓	✓	✓	✓					
1218	Tmin	35	9																										
1219	Tmin	35	10	✓✓				✓	✓	3109								✓	✓	✓	✓		✓	✓	✓				
1220	chl max	20	11	✓✓											✓✓													✓✓	
1221	chl max	20	12	✓✓					✓	3113								✓	✓	✓	✓		✓	✓				✓✓	
1222		5	13	✓✓											✓✓													✓✓	
1223		5	14	x✓				✓	✓	3116				✓				✓	✓	✓	✓		✓	✓	✓				serious spigot drip
			15																										
			16																										
			17																										
			18																										
			19																										
			20																										
			21																										
			22																										
			23																										
			24																										

Comments :

Comments :

Depths Bottom, 32.3, chl MAX, TMAX, 20, 5

Rosette sampling log mission 2006-18

Cast # 71
 Station CR-22
 CTD Filename 200618-071-01

Date (UTC) 11 Sep 06
 UTC/Local time 05:50 / 23:50
 CTD Operator SZ/TE/MD (to start)

In-air press 0.2 / 0.22
 Ice (tenths) 6/10
 Start Scan 6000

(w/o +9 hull correction / sound speed)
 Water Depth 3175 / 1480
 Lat (N) 73 30.536
 Lon (W) 137 50.722

0549

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	P8C	TOTAL CHL a	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	129	137	138
1186	Bottom	3158 ✓	1	✓✓				✓	✓✓	2007	2014	2015								✓	✓							
1187		2700 ✓	2	✓✓	L	7435			✓✓	2017	2025	2027								(14)								
1188		2000 ✓	3	✓✓						2032																		
1189		1500 ✓	4	✓✓	✓	7676	injected			2033																		
1190		1000 ✓	5	✓✓	✓	7332				2044																		
1191		800 ✓	6	✓✓						2047									✓	✓				✓	✓			
1192		600 ✓	7	✓✓						2049																		
1193		450 ✓	8	✓✓						2051																		
1194	3 max	405 ✓	9	✓✓	✓	7488				2059																		
1195	34.75	324 ✓	10	✓✓	0	7222				2060																		
1196	34.6	282 ✓	11	✓✓	✓	7637				2061																		
1197	34.4	244 ✓	12	✓✓	0	9066				2063																		
1198	34.2	224 ✓	13	✓✓	L	7383				2064																		
1199	34.0	211 ✓	14	✓✓	✓	7357				2068														✓	✓			
1200	33.5	187 ✓	15	✓✓						2069																		
1201	33.1	167 ✓	16	✓✓	0	7201				2073								✓										
1202	32.9	153 ✓	17	✓✓	✓	7676				2074								✓										
1203	32.6	125 ✓	18	✓✓						2085																		
1204	32.3	100 ✓	19	✓✓						2086								✓										
1205	chl max	80 ✓	20	✓✓						2087								✓										
1206	4 max	60 ✓	21	✓✓						2088								✓										
1207	4 min	35 ✓	22	✓✓						2088								✓										
1208		20 ✓	23	✓✓						2089								✓										
1209		5 ✓	24	✓✓	L	9054			✓	2091				✓				✓	✓	✓		✓	✓					

Comments :

For bottles #20 to 22,
 please see cast 70
 figure.

6(9)

6

6

NB. forgot to log depth when winch stop at
 boom going down.

winch stop up @ 450m

Rosette sampling log mission 2006-18

Cast # 70
Station 16FOG
CTD Filename 200618-070.dat

Date (UTC) 2006/09/10
UTC/Local time 2144/1544
CTD Operator JE

In-air press 1.136
Ice (tenths) 8
Start Scan 7680

(w/o +9 hull correction / sound speed)
Water Depth 3222/1480
Lat (N) 74° 15.10'
Lon (W) 136 14.29

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	DOC	TOTAL CHL a 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	1429	SC137	155	
1162	Bottom	3206	1 ✓	✓✓	✓	9061		✓	✓	3003										✓	✓				✓				
1163		2500	2 ✓	✓✓	✓	8953		✓	✓✓	3004	3006	3007													✓				
1164		2000	3 ✓	✓✓	✓	7357		✓		3009										✓					✓				
1165		1500	4 ✓	✓✓	✓	9024		✓		3098											✓✓				✓				
1166		1000	5 ✓	✓✓	✓	7417		✓		3019															✓				
1167		800	6 ✓	✓✓	✓	9047		✓		3024								✓	✓				✓	✓	✓				
1168		600	7 ✓	✓✓	✓	7504		✓		3028															✓				
1169		300	8 ✓	✓✓	✓	9054		✓		3033															✓				
1170		450	9	✓✓	✓	7352		✓		3034															✓				
1171	tmax	402	✓10	✓✓	✓	7433	8978	✓		3038															✓				
1172	34.8	364	✓11	✓✓	✓	7488		✓		3043															✓				
1173	34.6	282	✓12	✓✓	✓	8968		✓		3047															✓				
1174	34.4	243	✓13	✓✓	✓	8995		✓		3048									✓						✓				
1175	34.2	217	✓14	✓✓	✓	7201		✓		3051									✓						✓				
1176	34.0	200	✓15	✓✓	✓	9114		✓	✓✓	3055	3057	3096											✓	✓	✓				
1177	33.8	190	✓16	✓✓	✓	7353		✓		3061											✓✓			✓	✓	✓			
1178	33.3	180	✓17	✓✓						3063																			
1179	33.1	163	✓18	✓✓	✓	9069		✓		3067								✓							✓				
1180	32.6	123	✓19	✓✓						3069												✓✓							
1181	chl Max	65	✓20	✓✓				✓		3075							✓									✓			
1182		43	✓21	✓✓						3082																			
1183		31	✓22	✓✓						3084							✓✓	✓											
1184		20	✓23	✓✓				✓		3092								✓					✓	✓	✓				
1185		5	✓24	✓✓	✓	9837		✓	✓	3094				✓			✓✓	✓	✓	✓	✓		✓	✓	✓				

Comments :

wire angle at bottom 0 std
10 Fwd

stop at kniss feature at 18m on
upcast to see if it is due to a
density interface - Nope.

wire lanolin in latches
on recovery

Winch change gears 600 m ↓
594 m ↑

Rosette sampling log mission 2006-18

Cast # 69
Station CB-19
CTD Filename _____

Date (UTC) Sept 09 2006
UTC/Local time 14:53 / 8:53
CTD Operator SZ + HD

In-air press 0.1/0.13
Ice (tenths) 7
Start Scan 5281
(w/o +9 hull correction / sound speed)
Water Depth 3693
Lat (N) 74° 19.202 N
Lon (W) 143° 10.840 W

14.52

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 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	1426	CS-137	TSS	
1143		450	1	✓	✓	7352		✓	✓	2007										✓	✓				✓				
1144	Emax	430	2	✓	✓	7504		✓	✓	2015	2017	2025													✓				
1145	34.8	388.5	3	✓	✓	7357		✓		2033															✓				387. depth by mistake.
1146	34.7	322	4	✓						2032																			
1147	34.6	295	5	✓	✓	9047	7417	✓		2044															✓				
1148	34.4	260.9	6	✓	✓	7433		✓		2047									✓						✓				
1149	34.2	238	7	✓					✓	2049	2051	2056									✓								SPIGOT LEAK
1150	34	225	8	✓	✓	8953		✓		2059													✓	✓	✓				
1151	33.5	200.9	9	✓						2060																			
1152	33.1	171	10	✓	✓	8978		✓		2061								✓			✓				✓				
1153	32.9	157.6	11	✓						2063											✓								
1154	32.6	125.9	12	✓						2064																			
1155	32.3	99.9	13	✓				✓		2068								✓							✓				
1156		80	14	✓						2069																			
1157		60	15	✓	✓	9061		✓		2073						✓		✓							✓				
1158		30	16	✓						2074								✓											
1159		25	17	✓				✓		2085						✓		✓							✓				
1160		15	18	✓						2086								✓		✓									
1161		5	19	✓				✓	✓	2087				✓		✓		✓		✓			✓	✓	✓				
			20																										
			21																										
			22																										
			23																										
			24																										

Comments :

Air pres 0.145 (6)

91
3 sets of dups

Rosette sampling log mission 2006-18

Cast # 68
Station CB21
CTD Filename 200618-068.dat

Date (UTC) 8 Sep 06
UTC/Local time 2000
CTD Operator ST / JH / MD

In-air press -
Ice (tenths) 8/10
Start Scan 7489

(w/o +9 hull correction / sound speed)
Water Depth 3523 (1480m/s)
Lat (N) 74° 0.767 N
Lon (W) 140° 2.098' W

3518+9

758

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	428	Se-437	TSS
1119	Bottom		1	vv	✓	7383		✓	✓	3003			✓	✓						✓	✓	✓				✓			
1120		3200	2	vv	✓	7678	9047			3004											✓	✓							
1121		2527	3	vv		7637				3006																			
1122		2000	4	vv		7552			✓	3098	3009	3016																	
1123		1500	5	vv		8980				3019																			
1124		1000	6	vv		7488				3024									✓										
1125		750	7	vv		9114				3028																			
1126		600	8	vv		7467				3096										✓				✓	✓				
1127		500	9	vv		9069				3034																			
1128		455	10	vv	✓	9024	7201			3038																			
1129	±max	410	11	vv		7435				3043																			
1130	34.8	370	12	vv		8495				3047																			
1131	34.7	2318	13	vv		7352				3048																			
1132	34.6	2286	14	vv		7417		✓		3051										✓	✓								
1133	34.4	2248	15	vv		7676		✓	✓	3055	3057	3058																	
1134	34.0	2006	16	vv		9837		✓		3061											✓	✓		✓	✓				
1135	33.5	186	17	vv		9016				3063																			
1136	33.1	164	18	vv	✓	7504	7053	✓		3067									✓										
1137	32.9	151	19	vv		7166				3069																			
1138	32.6	125	20	vv		9054		✓		3075																			
1139	32.3±max	75	21	✓		7357		✓		3082																			
1140	chl max	60	22	✓		7223				3084								✓	✓				✓	✓					
1141		20	23	✓		7433		✓		3092								✓	✓				✓	✓					
1142		5	24	✓	✓	7332		✓	✓	3094			✓	✓				✓	✓	✓	✓	✓	✓	✓	✓				

Save 12 for IOS

DIC taken between DO#1 & 2

slow leak lower O-ring

Comments :

Downcast
Δ speed 30m/30 min @ 300m
to 60m/min
Δ gear @ 300m

18
+32
27

Up cast
Δ gear at 560m
slow to 30m/min at 300m

Seal looking at ship at 400m on up cast

DRAW
LAST

Tension :

Down @ 2967 mwo 60m/min 1350 #
Up @ 3200 mwo " 1845 #

34

Rosette sampling log mission 2006-18

 Cast # 67
 Station CB-18
 CTD Filename 200618-067.dcr

 Date (UTC) 2006/09/08
 UTC/Local time 0402/12202
 CTD Operator JE

 In-air press 0.204/0.192
 Ice (tenths) 3/10
 Start Scan 10800

 (w/o +9 hull correction / sound speed)
 Water Depth 3629/1480
 Lat (N) 75° 01.25
 Lon (W) 190° 01.87

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 #	DOC	C-13	DOC	TOTAL CRLa 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	C18	Ba	H-3	129	137	ISS	
1095	Bottom	3626	✓ 1	✓✓	Ler	8995		✓	✓✓	2007	2015	2014								✓	✓								add dups He/H-3
1096		3200	✓ 2	✓✓	✓	9837		✓		2017										(14)									Please Save 12 For IOS, 2 For here
97		2500	✓ 3	✓✓	L	9069		✓		2025											✓✓								
98		1500	✓ 4	✓✓	L	7435		✓		2032																			
99		1000	✓ 5	✓✓	✓	7223		✓		2033								✓	✓				✓	✓					
100		800	✓ 6	✓✓	✓	9061		✓		2044													✓	✓					
101		600	✓ 7	✓✓	✓	7676		✓		2047																			
102		450	✓ 8	✓✓	L	7357		✓		2049																			
103	tmax	430	✓ 9	✓✓	✓	8953	7352	✓		2051																			
104	34.8	373	✓ 10	✓✓	L	7222		✓		2056																			
105	34.7	312	✓ 11	✓✓						2059																			
106	34.6	287	✓ 12	✓✓	✓	8968		✓		2060																			
107	34.4	250	✓ 13	✓✓						2061																			
108	34.2	225 235	✓ 14	✓✓	L	9024		✓		2063									✓										
109	34.0	209	✓ 15	✓✓	✓	8978		✓		2064																			
110	33.5	188	✓ 16	✓✓	✓	7475		✓		2068													✓	✓					
111	33.1	169	✓ 17	✓✓	✓	7678		✓		2069								✓			✓✓								
112	32.9	152	✓ 18	✓✓					✓✓	2073	2074	2084																	
113	32.6	78	✓ 19	✓✓	✓	7629	INJECT 20	✓		2085																			
114	32.3	60	✓ 20	✓✓						2086										✓									
115	tmax	37	✓ 21	✓✓						2087																			
116	tmin	27	✓ 22	✓✓						2088																			
117		20	✓ 23	✓✓	✓	7629		✓		2089													✓	✓					
1118		5	✓ 24	✓✓	✓	9114		✓	✓	2091				✓			✓✓	✓	✓	✓	✓		✓	✓					

Comments :

extra tmin/tmax feature sampled
 near surface — instead of
 of 32.3, 32.6 bottles

18° Fwd wire angle at 3000m and ↑

Winch change gear 602 ↓

599 ↑

Abby
 will
 add

Rosette sampling log mission 2006-18

Cast # 66
Station CB-17
CTD Filename 200618_066

Date (UTC) 07 Sep 2006
UTC/Local time 13:20 / 07:20
CTD Operator SN

In-air press -10.108
Ice (tenths) 8/10
Start Scan ~6000 ?

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

Water Depth 3705
Lat (N) 25° 57.126' N
Lon (W) 140° 5.630' W

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	PH4	O18	Ba	13	137	138
1071	Bottom	3698 ✓	1	✓✓	✓	9061	7353		✓	3003					✓					✓	✓						
1072		3200 ✓	2	✓✓	✓	7357			✓✓	3004	3006	3007								✓✓							
1073		2500 ✓	3	✓✓	✓	7475				3009																	
1074		2000 ✓	4	✓✓						3016											✓✓						
1075		1500 ✓	5	✓✓	✓	7504				3019																	
1076		1000 ✓	6	✓✓	✓	7352			✓✓	3024	3028	3033															
1077		800 ✓	7	✓✓	✓	9837				3038																	
1078		600 ✓	8	✓✓	✓	7435				3034								✓					✓	✓			
1079		430 ✓	9	✓✓	✓	7629				3043																	
1080	εmax	425 ✓	10	✓✓	✓	7433				3047																	
1081	34.8	375 ✓	11	✓✓	✓	8968				3048																	
1082	34.7	311 ✓	12	✓✓						3051																	
1083	34.6	286 ✓	13	✓✓	✓	9069				3055																	
1084	34.4	247 ✓	14	✓✓						3057				✓					✓								
1085	34.2	222 ✓	15	✓✓	✓	9066				3058																	
1086	34.0	207 ✓	16	✓✓	✓	7678				3061													✓	✓			
1087	33.5	186 ✓	17	✓✓						3063																	
1088	33.1	166 ✓	18	✓✓	✓	7637				3067				✓				✓									
1089	32.9	147 ✓	19	✓✓						3069				✓				✓					✓	✓			
1090	32.6	119 ✓	20	✓✓						3075				✓				✓			✓✓						
1091	32.3	93 ✓	21	✓✓	✓	9022-8RD	7201			3082				✓				✓		✓✓							
1092	εmax	50 ✓	22	✓✓	✓	9024	7417			3084				✓				✓									
1093		20 ✓	23							3092				✓				✓									
1094		5 ✓	24	✓✓	✓	8978			✓	3094			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Comments :

13
Change Gear at 602m in Down Cast
571m in Up Cast

change gear
602 ↓
571 ↑

SPIGOT LEAK

ε26 for POC

Rosette sampling log mission 2006-18

09:48
10:10:30
10:17:20
09:23:50
10:30:20
10:35:20

Cast # 65
Station CB-15
CTD Filename 200618-065

Date (UTC) 06 Sep 2006
UTC/Local time 09:40 / 03:40
CTD Operator SN

In-air press 0.81/1.208
Ice (tenths) 9/10
Start Scan 10321

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

Water Depth 3725
Lat (N) 77° 1.040' N
Lon (W) 139° 57.315' W

Cesium / Iodine

+ Intrusions

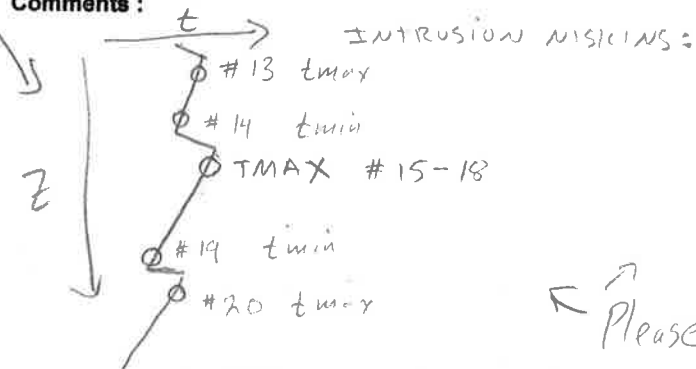
Samp #	Target property	Target depth	ROS BOT #	BOTTLE INTEGRITY	CFC	CFC Syringe #	CFC DUP Syringe #	He	Dis. OXY	OXY FLASK #	OXY DUP FLASK #	OXY Trip FLASK #	DIC	C-13	POC	TOTAL CHL a 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	I-129	Ce-137	TSS	
1047		1000 v	1	✓✓	✓	7435		✓	✓	3003										✓	✓				✓	✓			
1048		" v	2	✓✓																									
1049		" v	3	✓✓																									
1050		" v	4	✓✓																									
1051		800 v	5	✓✓	✓	9047		✓	✓	3004											✓	✓			✓	✓			
1052		" v	6	✓✓																					✓	✓			
1053		" v	7	✓✓																									
1054		" v	8	✓✓																									
1055		600 v	9	✓✓	✓	7678		✓	✓	3007											✓	✓			✓	✓			
1056		" v	10	✓✓																									
1057		" v	11	✓✓																									
1058		" v	12	✓✓																									
1059	tmax below	480 v	13	✓✓	✓	7223		✓	✓	3009											✓	✓			✓	✓			
1060	tmin	460 v	14	✓✓	✓	7637		✓	✓	3010											✓	✓			✓	✓			
1061	TMAX	410 v	15	✓✓	✓	7222		✓	✓	3009											✓	✓			✓	✓			
1062	"	" v	16	✓✓																					✓	✓			
1063	"	" v	17	✓✓																									
1064	"	" v	18	✓✓																									
1065	tmin	390 v	19	✓✓	✓	9054		✓	✓	3024											✓	✓			✓	✓			
1066	tmax	370 v	20	✓✓	✓	9069		✓	✓	3028											✓	✓			✓	✓			
1067		300 v	21	✓✓	✓	7552		✓	✓	3033											✓	✓			✓	✓			
1068		" v	22	✓✓																					✓	✓			
1069		" v	23	✓✓																									
1070		" v	24	✓✓																									

Comments :

slow leak from spigot

bottom dipping slowly

Comments :



Please stop for 2 minutes,
then fire the set of
4 mishins.

← Please call me if any questions! Thank

(51)

(37)

change gear
500m ↓

slow leak from spigot

bottom dripping slowly

Rosette sampling log mission 2006-18

Cast # 64
Station CB-14a
CTD Filename 200618-064.dct

Date (UTC) 2006/09/06
UTC/Local time 0540⁰⁷ / 1140^{pm}
CTD Operator JEI

In-air press 0.2/0.2
Ice (tenths) 91.0
Start Scan 9000

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

Water Depth 3710 / 1480
Lat (N) 77 10.782
Lon (W) 138 52.238

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	TOTAL CHL	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NO3	O18	Ba	H-3	NO2	NO3	SS
1026	1000	1000	✓	1	✓	9061		✓	✓	207									✓	✓				✓			
1027	800	800	✓	2	✓	7504		✓		2014									✓	✓				✓			
1028	600	600	✓	3	✓	8968		✓		2015										✓			✓				
1029	tmax	412	✓	4	✓	8978		✓	✓	2017	2025	2027											✓				
1030	34.8	347	✓	5	✓	7353		✓		2032													✓				
1031	34.6	260	✓	6	✓	9066	7676	✓		2044													✓				
1032	34.4	218	✓	7	✓	7417		✓		2047								✓					✓				
1033	34.2	192	✓	8	✓	7166				2051																	
1034	34.0	177	✓	9	✓	7629		✓		2033												✓	✓	✓			
1035	33.5	156	✓	10	✓	7435				2056																	
1036	33.1	142	✓	11	✓	8995		✓		2060							✓						✓				
1037	32.9	130	✓	12	✓					2059							✓		✓	✓							
1038	32.6	114	✓	13	✓	7201		✓		2063							✓						✓				
1039	32.3	97.85	✓	14	✓	9024		✓		2064							✓						✓				
1040	tmin (80)	85.75	✓	15	✓	9837				2068								✓	✓	✓							
1041	tmax (70)	75.60	✓	16	✓	7332		✓		2069													✓				
1042	tmin (60)	60.54	✓	17	✓					2073							✓										
1043	tmax (50)	52.40	✓	18	✓	7352				2074							✓					✓	✓				
1044	tmin (30)	40.25	✓	19	✓	7357		✓		2094							✓					✓	✓	✓			
1045	tmax (20)	25.54	✓	20	✓	7475		✓		2085							✓										
1046		5	✓	21	✓			✓	✓								✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
1047				22																							
1048				23																							
1049				24																							

Comments :

10

expect 1/2 hr cast
to 600m; extend
depth if time allows.
Back on deck by 0100.

- 4 gears at 300m on downcast if they (ouc) want

* NOTE

DEPTH CHANGES FROM
BOT 14-21

Rosette sampling log mission 2006-18

Cast # 63
Station CB-15
CTD Filename 200618_063

Date (UTC) 5 Sep 2006
UTC/Local time 12:46 / 09:46
CTD Operator SN

In-air press 0.246 / 0.166
Ice (tenths) 9
Start Scan 10729

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

Water Depth 3720
Lat (N) 77° 0.662' N
Lon (W) 139° 52.714' W

Full Chemistry

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	De-137	CSS
1002	Bottom	3717	✓	1	✓✓	L 9024		✓	✓✓	3003	3004	3006	✓							✓	✓				✓	✓		
1003		3200	✓	2	✓✓	✓ 7488	9061	✓	✓	3007										✓	✓✓				✓	✓		
1004		2500	✓	3	✓✓	L 7417		✓		3009															✓	✓		
1005		2000	✓	4	✓✓	✓ 7201		✓		3016															✓	✓		
1006		1500	✓	5	✓✓	L 7504		✓		3019															✓	✓		
1007		1000	✓	6	✓✓	✓ 8980				3024															✓	✓		
1008		800	✓	7	✓✓	✓ 8995				3028															✓	✓		
1009		600	✓	8	✓✓	✓ 7357				3033															✓	✓		
1010		500	✓	9	✓✓	✓ 7629		✓		3034								✓	✓				✓	✓	✓	✓		
1011		450	✓	10	✓✓	✓ 8968		✓		3038															✓	✓		
1012	Emax	405	✓	11	✓✓	✓ 7433		✓		3043															✓	✓		
1013	34.8	359	✓	12	✓✓	✓ 9114		✓		3047															✓	✓		
1014	34.7	296	✓	13	✓✓	✓ 7435			✓	3048															✓	✓		
1015	34.6	269	✓	14	X✓	✓ 7166		✓	✓✓	3051	3055	3057													✓	✓		
1016	34.4	230	✓	15	✓✓	L 7552			✓	3058									✓				✓	✓	✓	✓		
1017	34.0	192	✓	16	✓✓	✓ 7475		✓		3061															✓	✓		
1018	33.5	172	✓	17	✓✓	L 7252				3063															✓	✓		
1019	33.1	153	✓	18	✓✓	✓ 7467	7223	✓		3067							✓								✓	✓		
1020	32.9	139	✓	19	✓✓	L 9069		✓		3069															✓	✓		
1021	32.6	115	✓	20	✓✓	L 7332				3075													✓	✓	✓	✓		
1022	32.3	93	✓	21	✓✓	L 8953		✓		3082											✓✓				✓	✓		
1023	chl max	52	✓	22	X✓	✓ 7637			✓	3084							✓								✓	✓		
1024		20	✓	23	✓✓	L 7222		✓		3092									✓	✓	✓				✓	✓		
1025		5	✓	24	✓✓	✓ 7383		✓	✓	3094			✓	✓			✓		✓	✓	✓		✓	✓	✓	✓		

Comments :

Change gear @ 593 m Down Cast
@ 602 m Up Cast

↑
Abby
Please adjust

NO!

↑ ↑
Abby 12
Please adjust

Rosette sampling log mission 2006-18

Cast # 62
Station CB-16
CTD Filename 200618-062

Date (UTC) 04 Sep 2006
UTC/Local time 11:48 105:48
CTD Operator SN

In-air press 0.162/0.089
Ice (tenths) 10
Start Scan 1400

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

Water Depth 3741
Lat (N) 77° 52.508'N
Lon (W) 140° 7.867' W

2nd cast at CB-16
OXY TEST
Intusius
Upper 100m

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 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	I-129	Ce-137	TSS	
985	l MAX	455 ✓	1	✓✓	✓	7637			✓	3003										✓✓	✓								
986	Transition	490 ✓	2	✓✓		7552				3004																			
987	l min	425 ✓	3	✓✓		7353				3006																			
988	T MAX	380 ✓	4	✓✓	✓	7467	9066			3007																			
989	transition	370 ✓	5	✓✓		9069				3009																			
990	l min	360 ✓	6	✓✓		8978				3016																			
991	l MAX	350 ✓	7	✓✓		9054				3019																			
992	l min	330 ✓	8	✓✓	✓	7504				3024																			
993	T min	135 ✓	9	✓✓						3028								✓	✓	✓✓	✓		✓	✓					
994	T MAX	100 ✓	10	✓✓					✓	3033								✓	✓	✓✓	✓		✓	✓					
995	T min	85 ✓	11																										
996	T min	85 ✓	12	✓✓					✓	3034								✓	✓	✓✓	✓		✓	✓					
997	T MAX	55 ✓	13	✓✓						3038							✓✓												
998	T min	43 ✓	14	✓✓						3043																			
999	T min	40 ✓	15	✓✓						3040																			
1000	T MAX	20 ✓	16	✓✓						3047							✓✓												
1001		5 ✓	17	✓✓						3051							✓✓	✓											
			18																										
			19																										
			20																										
			21																										
			22																										
			23																										
			24																										

Comments :

oxygen test : stop @ 600, 1000, 1500 ; Max depth 2500

were parked in open pool of water. winds have eased off.

clear sky ! Great sunrise !

Δ to highspeed @ 650m on downcast
low speed @ 600 m on upcast

change
pore
650↓
600↑

Rosette sampling log mission 2006-18

Cast # 61
Station CB-16
CTD Filename 200618-061

Date (UTC) 04 Sep 2006
UTC/Local time 06:38 / 00:38
CTD Operator SN

In-air press 0.202/0.080
Ice (tenths) 10
Start Scan 8900

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

Water Depth 3746
Lat (N) 77° 55.130' N
Lon (W) 140° 5.082' W

Full
chemistry

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 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	Chl a	O18	Ba	H3	U29	Se-137	Se-135	
961	Bottom	3739 ✓	1	✓✓	✓	7222			✓	2007										✓✓	✓		✓						
962	3000	3000 ✓	2	✓✓	✓	8953				2014										✓✓	✓								
963		2500 ✓	3	✓✓	L	7433				2015											✓✓								
964		2000 ✓	4	✓✓	✓	7352				2017																			
965		1500 ✓	5	✓✓	L	7383				2025																			
966		1000 ✓	6	✓✓	✓	7475				2027										(RWS)									
967		800 ✓	7	✓✓	✓	8969				2032																			
968		600 ✓	8	✓✓	✓	7678				2099								✓	✓				✓	✓					
969		500 ✓	9	✓✓	✓	9114				2044																			
970		450 ✓	10	✓✓	✓	7676			✓✓	2047	2049	2051																	
971	tmax	375 ✓	11	✓✓	✓✓	7332	7223		✓✓	2056	2060	2061																	
972	34.8	240 348 ✓	12	✓✓	L	7166				2063																			
973	34.8	293 340 ✓	13	✓✓	L	7629				2064																			
974	34.6	257 ✓	14	✓✓	✓	9047				2068																			
975	34.4	217 ✓	15	✓✓	L	7357				2069									✓										
976	34.0	170 ✓	16	✓✓	✓	7201				2073																			
977	33.5	148 ✓	17	✓✓	L	7417				2074											✓✓								
978	33.1	136 ✓	18	✓✓	✓	9061				2084								✓											
979	32.9	126 ✓	19	✓✓	✓	7435				2085																			
980	32.6	109 ✓	20	✓✓	L	8980				2086																			
981	32.3	94 ✓	21	✓✓	L	8995				2087																			
982	chl/tmax	54 ✓	22	✓✓	✓	9024				2088						✓✓		✓											
983		20 ✓	23	✓✓	L	7488				2089						✓✓		✓											
984		5 ✓	24	✓✓	✓	9837			✓					✓		✓✓		✓	✓	✓	✓		✓	✓					

Comments :

16

all
dups,
quads
on
#6
and #21

change gire @ 713 m in downcast
@ 578 m in upcast

41

Rosette sampling log mission 2006-18

Cast # 60
Station CB-13
CTD Filename 200618-060.dat

Date (UTC) Sept 3, 2006
UTC/Local time 18:23/12:23
CTD Operator JJ

In-air press 0.211/0.272
Ice (tenths) 8/10
Start Scan 8300

(w/o +9 hull correction / sound speed)
Water Depth 270m / 1480m/s
Lat (N) 77° 17.466' N
Lon (W) 142° 30.494' 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 #	DIC	C-13	POC	TOTAL CHL a 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NO4	O18	Ba	H3	H29	Cs-137	TSS
937	Bottom	3777	1	✓✓					✓	3100										✓	✓							
938		3000	2	✓✓	✓	9069	✓			3104											✓							
939		2000	3	✓✓					✓✓	3107	3108	3109																
940		1000	4	✓✓	✓✓	7504	7629			3113																		
941		800	5	✓✓	✓	9066	✓			3116									✓				✓	✓				
942		600	6	✓	✓	8978	✓			3118																		
943		500	7	✓✓						3119																		
944		450	8	✓✓	✓	9047	X			3121																		
945	tmax	400	9	✓✓	✓✓	837	7357			3123																		
946	34.8	355	10	✓✓	✓	7552	✓			3124																		
947	34.7	293	11							3126																		
948	34.6	268	12	✓✓	✓	9054	✓		✓✓	3137	3142	3159																
949	34.4	229	13	✓✓						3183									✓									
950	34.2	200	14	✓✓	✓	7467	✓			3189																		
951	34.0	184	15	✓✓	✓	7353	✓			3200													✓	✓				
952	33.5	164	16	✓✓						3201											✓✓							
953	33.1	150	17	✓✓	✓	7637	✓			3202								✓										
954	32.9	139	18	✓✓	✓	7676	X			3203																		
955	32.6	118	19	✓✓						3204										✓								
956	32.3	96	20	✓✓						3206																		
957	chl/turn	53	21	✓✓	✓	7338	X			3207							✓	✓										
958	tmin	33	22	✓✓						3209								✓					✓	✓				
959	20/tmax	24	23	✓✓						3012							✓	✓										
960		5	24	✓✓	✓	7223	✓		✓	3018			✓			✓	✓	✓	✓	✓	✓	✓	✓	✓				

Comments :

Winch
Stopped to change
at 298m
on way down

(16)
Winch geared
down at 590m
on way up

Rosette sampling log mission 2006-18

Cast # 59
Station CB-12
CTD Filename 200618-059

Date (UTC) 3 Sep 2006
UTC/Local time 08:40 / 02:40
CTD Operator SN

In-air press 0.292/0.251 Water Depth 3806
Ice (tenths) 10 Lat (N) 77° 42.576' N
Start Scan 6913 Lon (W) 146° 46.090' 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 Trip FLASK #	DIC	C-13	POC	TOTAL CHL a 0.7u	Phyto	Bacteria	FW-Alkalinity	SALINITY	NUTRIENTS	NH4	O18	Ba	H-3	I-129	Cs-137	TSS
913	Bottom	3803 ✓	1	✓✓	✓	7357			✓	2007										✓	✓					✓		
914		3200 ✓	2	✓✓		7475				2014										✓	✓					✓		
915		2500 ✓	3	✓✓	✓	9069	7678			2015										✓	✓					✓		
916		2000 ✓	4	✓✓		9837				2017										✓	✓					✓		
917		1500 ✓	5	✓✓		7166				2025										✓	✓					✓		
918		1000 ✓	6	✓✓		9061			✓✓	2027	2032	2033								✓	✓					✓		
919		800 ✓	7	✓✓	✓	7352	9066			2044									✓	✓			✓	✓				
920		600 ✓	8	✓✓		8953				2047										✓	✓							
921		500 ✓	9	✓✓		7433				2049										✓	✓							
922		450 ✓	10	✓✓		7435			✓✓	2051	2056	2059								✓	✓					✓		
923	tmax	379 ✓	11	✓✓		7629				2060										✓	✓					✓		
924	34.8	352 ✓	12	✓✓		8968				2061										✓	✓					✓		
925	34.7	297 ✓	13	✓✓		7201				2063									✓	✓						✓		
926	34.6	271 ✓	14	✓✓		7488				2064									✓	✓						✓		
927	34.2	201 ✓	15	✓✓		7504				2068									✓	✓						✓		
928	34	186 ✓	16	✓✓		7417				2069									✓	✓						✓		
929	33.5	168 ✓	17	✓✓		7222				2073									✓	✓						✓		
930	33.1	150 ✓	18	✓✓		8980				2074								✓	✓	✓						✓		
931	32.9	139 ✓	19	✓✓		8978				2084								✓	✓	✓						✓		
932	32.6	118 ✓	20	✓✓		9114				2085								✓	✓	✓						✓		
933	32.3	96 ✓	21	✓✓		8995				2086								✓	✓	✓						✓		
934	tmax near chlmax 51	✓	22	✓✓		9024				2087						✓	✓	✓	✓	✓					✓			
935		20 ✓	23	✓✓		9047				2088						✓	✓	✓	✓	✓					✓			
936		5 ✓	24	✓✓	✓	7383			✓	2089				✓		✓	✓	✓	✓	✓								

Comments :

Comments :

21 w/out
Low priority

either prefer
IOS
if Jan
is up
to it.
yes

↑
full
dips
on
salt

• stop
• change gire near boom
• write down the depth

604m Down Cast
609m Up Cast

Rosette sampling log mission 2006-18

Cast # 58 Date (UTC) 3 Sep 2006 In-air press — / 0.29 Water Depth 3807
 Station CB-12 UTC/Local time 06:38 / 0:38 Ice (tenths) 10 Lat (N) 77° 42.355 N
 CTD Filename 200618-058 CTD Operator SN Start Scan 5081 Lon (W) 146 48.644 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 Trip FLASK #	DIC	G-13	POC	TOTAL CHL a 0.7u	Phyto	Bio	FW Alkalinity	SALINITY	NUTRIENTS	NH4	O-18	BS	H-3	I-129	Cs-137	138
889		1000	✓ 1	✓✓	✓	8978			✓	3093																		
890		"	✓ 2	✓✓																								
891		"	✓ 3	✓✓																								
892		"	✓ 4	✓✓																								
893		800	✓ 5	✓✓	✓	8980			✓	3004																		
894		"	✓ 6	✓✓																								
895		"	✓ 7	✓✓																								
896		"	✓ 8	✓✓																								
897		600	✓ 9	✓✓	✓	7222			✓	3006																		
898		"	✓ 10	✓✓																								
899		"	✓ 11	✓✓																								
900		"	✓ 12	✓✓																								
901		"	✓ 13	✓✓	✓	7467			✓	3024																		
902	*base of tmax	428	✓ 14	✓✓	✓	7383			✓	3007																		
903	tmax	378	✓ 15	✓✓	✓	7676			✓	3009																		
904	"	"	✓ 16	✓✓																								
905	"	"	✓ 17	✓✓																								
906	"	"	✓ 18	✓✓																								
907	*above tmax	370	✓ 19	✓✓	✓	9024			✓	3016																		
908	*above tmax	356	✓ 20	✓✓	✓	7353			✓	3096																		
909		300	✓ 21	✓✓	✓	9114			✓	3019																		
910		"	✓ 22	✓✓																								
911		"	✓ 23	✓✓																								
912		"	✓ 24	✓✓																								

Comments :

please stop rosette and wait 2 minutes
 before closing each set of 4 bottles.

Don't wait on tmax features.

* intrusion bottles,
 see plot for
 Reference