

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2009-06

Station: NP-1

Event #: 001

Ship: SWL

UTC Date (dd|mmm|yyyy): 11 | 07 | 2009

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken								Comments		
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed √ Pressure	Oxy	Nut	Sal	Chl a	NH ₄	HPCC	O ₂	Ca		Alk	
✓	1			50		53	X	XX	X	XX			XX	X	Y	Some samples original
✓	2			35		38	X	XX	Y			XX	X	X	X	planned for bottles 6&7
✓	3			25	✓	25	X	XX	Y	XX			X	Y	X	changed to bottles 1&2
✓	4			15	✓	15.5	X	XX	XX			XX	X	XX	X	
✓	5			5	✓	5.5	XX	XX	X	XX		XX	X	Y	X	
	6															
	7															
	8															
	9															
	10															
	11															
	12															
	13															
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	21															
	22															
	23															
	24															

Watchkeeper(s):
KS/MD/SV

Bottom Depth: 55 m

Transmisso Cleaned: Y / N

Time	UTC	Local
Start		
Bottom		
End		

Positional Information

Start

Lat: ° N

Lon: ° W

Bottom

Lat: ° N

Lon: ° W

End

Lat: ° N

Lon: ° W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* Oxygen blanks and standards should be run daily, if possible

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2009-06

Station: NP3A

Event #: 007

Ship: SWL

UTC Date (dd|mmm|yyyy): 11 | 07 | 2009

[illegible]

Watchkeeper(s):
KS/MO/SV

Bottom Depth: _____ mTransmisso Cleaned: Y / N

<i>Time</i>	<i>UTC</i>	<i>Local</i>
Start		
Bottom		
End		

Positional Information		
Lat:	°	N
Lon:	°	W

Start

Lat:	°	N
Lon:	°	W

Bottom

End	Lat:	°	N
	Lon:	°	W

End

Oxygen Info For This Cast	
Blank Value:	_____ mL · L ⁻¹
Std Value:	_____ mL · L ⁻¹
*Date Run:	____ ____ ____
Analyst:	_____

* Oxygen blanks and standards should be run daily, if possible

Rosette Log for IOS Cruise ID 2008-29

Cast # 003 UTC Date (ddmmmyyy) 07/12/2009 In Air pressure 0.15 Water Depth(below hull) 3639 m
 Station NPS UTC Time 14:06 Ice Coverage 0/10 Sound Speed 1500
 CTD File 200829- Lat (N) 31° 35.376 Lon (W) 136° 26.398 Start Scan _____ CTD Operator KS/MD

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	DIC	d13-DIC	ALK	NUT	SAL	CHL a	HPLC	O18	Ba	Comments
21	1000	1	✓✓				X					X					Oxygen Temp etc on separate yellow Rosette sheet.
22	750	2	✓✓				X					X					
23	500	3	✓✓				X					X					
24	350	4	✓✓				X					X					
25	250	5	✓✓				X					X					
26	225	6	✓✓				X					X					
27	200	7	✓✓				X					X					
28	175	8	✓✓				X					X					
29	150	9	✓✓				X					X					
30	125	10	✓✓				X					X					
31	700	11	✓✓				X					X					* Akash 500m samples
32	75	12	✓✓				X					X					
33	50	13	✓✓				X			X		X		X	X	X	
34	35	14	✓✓				X			X		X		X	X	X	
35	25	15	✓✓				X			X		X		X	X	X	
36	15	16	✓✓				X			X		X		X	X	X	
37	5	17	✓				X			X	X	X	X	X	X	X	
		18															
		19															
		20															
		21															
		22															
		23															
		24															

Comments:

2009-06

Rosette Log for IOS Cruise ID 2008-29

Cast # 004 UTC Date (ddmmmyyy) 13/07/2009 In Air pressure 0.07 Water Depth(below hull) 3969 m
 Station NP7A UTC Time 14:04 Ice Coverage 0/10 Sound Speed 1500 m/s
 CTD File 2009-06-0004 Lat (N) 52°50.753 Lon (W) 144°40.776 Start Scan CTD Operator KS/MD

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	DIC	d13-DIC	ALK	NUT	SAL	CHL a	HPLC	O18	Ba	Comments
38	1000	1 ✓	✓				X				X						
39	750	2 ✓	✓				X				X						
40	500	3 ✓	✓				X				X						
41	350	4 ✓	✓				X				X						
42	250	5 ✓	✓				X				X						
43	225	6 ✓	✓				X				X						
44	200	7 ✓	✓				X				X						
45	175	8 ✓	✓				X				X						
46	150	9 ✓	✓				X				X						
47	125	10 ✓	✓				X				X						
48	100	11 ✓	✓				X				X						
49	75	12 ✓	✓				X				X						
50	50	13 ✓	✓				X			X	X	X	X	X	X	X	- changed HPLC depth to 50m from 35
51	35	14 ✓	✓				X			X	X	X	X	X	X	X	
52	25	15 ✓	✓				X			X	X	X	X	X	X	X	
53	15	16 ✓	✓				X			X	X	X	X	X	X	X	
54	5	17 ✓	✓				X			X	X	X	X	X	X	X	
		18	✓														
		19	✓														
		20	✓														
		21	✓														
		22	✓														
		23	✓														
		24	✓														

Comments:

Collected for Ninc
 - separate test for
 HPLC
 Dumped early.

Rosette Log for IOS Cruise ID 2008-29

Cast # 005 UTC Date (ddmmmyyyy) 14/07/2009 0.102 In Air pressure 0.133 Water Depth(below hull) 4518 m
 Station NP10 UTC Time 1407 Ice Coverage 0 /10 Sound Speed 1500
 CTD File 200829-2009-06-005 Lat (N) 53°32.407' Lon (W) 152°24.954' Start Scan 5740 CTD Operator MD

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	DIC	d13-DIC	ALK	NUT	SAL	CHL a	HPLC	O18	Ba	Comments
55 ✓	1000	1	✓✓				✓✓✓				✓✓	✓					
56 ✓	750	2	✓✓				✓✓				✓✓	✓					
57 ✓	500	3	✓✓				✓				✓✓	✓					
58 ✓	350	4	✓✓								✓✓	✓					
59 ✓	250	5	✓✓								✓✓	✓					
60 ✓	225	6	✓✓								✓✓	✓					
61 ✓	200	7	✓✓								✓✓	✓					
62 ✓	175	8	✓✓								✓✓	✓					
63 ✓	150	9	✓✓								✓✓	✓					
64 ✓	125	10	✓✓								✓✓	✓					
65 ✓	100	11	✓✓								✓✓	✓					
66 ✓	75	12	✓✓								✓✓	✓					
67 ✓	50	13	✓✓							✓	✓✓	✓✓	✓✓	✓	✓	✓	
68 ✓	35	14	✓✓							✓	✓✓	✓✓	✓✓	✓	✓	✓	
69 ✓	25	15	✓✓							✓	✓✓	✓✓	✓✓	✓	✓	✓	
70 ✓	15	16	✓✓							✓	✓✓	✓✓	✓✓	✓	✓	✓	
71 ✓	5	17					✓			✓	✓✓	✓	✓✓	✓✓	✓	✓	
		18															
		19															
		20															
		21															
		22															
		23															
		24															

Comments:

Rosette Log for IOS Cruise ID 2008-29

Cast # 006 UTC Date (ddmmmyyyy) 15/07/2009 In Air pressure 0.14 Water Depth(below hull) 4243 m
 Station NP12A UTC Time 1 Ice Coverage 0/10 Sound Speed 1500
 CTD File 2008-06-0006 Lat (N) 5340.949 Lon (W) 16052.17 Start Scan 4250 CTD Operator MD

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	DIC	d13-DIC	ALK	NUT	SAL	CHL a	HPLC	O18	Ba	Comments
72	✓ 1000	1	✓				xx				xx	x					
73	✓ 750	2	✓				x										
74	✓ 500	3	✓														
75	✓ 350	4	✓														
76	✓ 250	5	✓														
77	✓ 225	6	✓									x					
78	✓ 200	7	✓									xx					
79	✓ 175	8	✓									x					
80	✓ 150	9	✓														
81	✓ 125	10	✓														
82	✓ 100	11	✓														
83	✓ 75	12	✓										xx				
84	✓ 50	13	✓				x			x			xx		x	xx	
85	✓ 35	14	✓				xx			x	xx	x			xx	x	
86	✓ 35	15	✓														HPLC extra Niskin
87	✓ 25	16	✓				x			x	xx	x	xx		x	x	
88	✓ 15	17	✓				x			x	xx	x			x	x	
89	✓ 15	18	✓										xx				HPLC extra Niskin
90	✓ 5	19	✓				x			x	xx	x			x	x	
91	✓ 5	20	✓										xx	xx			HPLC extra Niskin
92	✓ 5	21	✓														HPLC extra Niskin
93	✓ 5	22	✓														
		23															
		24															

Comments:

Rosette Log for IOS Cruise ID ~~2008-29~~

Cast #607

Station UN8

CTD File 2009-06-0007.hex
~~200829-~~

UTC Date (ddmmmyyyy) 15/07/2009

UTC Time 22:32

Lat (N) 53° 38.850

In Air pressure 0.10

Ice Coverage 0/10

Lon (W) 163° 36.043

Start Scan _____

Water Depth(below hull) 1948 m

Sound Speed 1500

CTD Operator KS/MD.

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	DIC	d13-DIC	ALK	NUT	SAL	CHL a	HPLC	O18	Ba	Comments
92	1000	1 ✓	✓✓				X				XX	X					
93	750	2 ✓	✓✓				XX					X					
94	500	3 ✓	✓✓				X					X					
95	350	4 ✓	✓✓									XX					
96	250	5 ✓	✓✓									X					
97	225	6 ✓	✓✓														
98	200	7 ✓	✓✓														
99	174	8 ✓	✓✓				X										
100	150	9 ✓	✓✓				XX										
101	125	10 ✓	✓✓				X										
102	100	11 ✓	✓✓														
103	75	12 ✓	✓✓										XX				
104	50	13 ✓	✓✓										XX				
105	35	14 ✓	✓✓														
106	25	15 ✓	✓✓										XX				
107	15	16 ✓	✓✓														
108	5	17 ✓	✓✓				X				XX	Y	XX				
		18															
		19															
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		24															

Comments:

Rosette Log for IOS Cruise ID 2008-29

Cast # 008 UTC Date (ddmmmyyyy) 18/07/2009 In Air pressure 0.113 Water Depth(below hull) ~1335 m
Station UN7 UTC Time 0034 Ice Coverage 0/10 Sound Speed 1500
CTD File 2009-06-0008-hex 200829- Lat (N) 53° 44.036 Lon (W) 163° 55.818 Start Scan CTD Operator KS/SV

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	DIC	d13-DIC	ALK	NUT	SAL	CHL a	HPLC	O18	Ba	Comments
109	1000	1	✓	✓			x				xx	x					
110	750	2	✓	✓			x				xx	x					
111	500	3	✓	✓			x										
112	350	4	✓	✓			xx										
113	250	5	✓	✓			x										
114	225	6	✓	✓			x										
115	200	7	✓	✓			x										
116	175	8	✓	✓			x										
117	150	9	✓	✓			x										
118	125	10	✓	✓			x										
119	100	11	✓	✓			xx										
120	75	12	✓	✓			x					xx					
121	50	13	✓	✓			x			x		xx			xx	x	
122	35	14	✓	✓			x			x			xx		x	x	
123	25	15	✓	✓			x			x		xx			x	xx	
124	15	16	✓	✓			x			xx	x		xx		x	x	
125	5	17	✓	✓			x			x	xx	x	xx		x	x	
		18															
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		20															
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		23															
		24															

Comments:

Rosette Log for IOS Cruise ID 2008-29

Cast # 0009 UTC Date (ddmmmyyyy) 16/07/2009 In Air pressure 0.153 Water Depth(below hull) 77 m
Station UN-6 UTC Time 02:27 Ice Coverage 0 /10_ Sound Speed 1500 m/s
CTD File 2009-06-0008.hex Lat (N) 53° 51.006 Lon (W) 164° 3.696 Start Scan _____ CTD Operator KS

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	DIC	d13-DIC	ALK	NUT	SAL	CHL a	HPLC	O18	Ba	Comments
126	71	1	✓	✓			x				x	x					
127	71	2	✓	✓			x				x	x					
128	50	3	✓	✓			x				x	x					
129	35	4	✓	✓			x				x	x					
130	25	5	✓	✓			x				x	x					
131	15	6	✓	✓			x				x	x					
132	5	7	✓	✓			x				x	x					
		8															
		9															
		10															
		11															
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Comments:

Rosette Log for IOS Cruise ID 2008-29

Cast # 010 UTC Date (ddmmmyyy) 16/07/2009 In Air pressure 0.124 Water Depth(below hull) 82 m
Station UN-5 UTC Time 03:25 Ice Coverage 0/10 Sound Speed 1500 m/s
CTD File 2009-06-0060.hex Lat (N) 53° 55.548 Lon (W) 164° 11.674 Start Scan CTD Operator KS

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	DIC	d13-DIC	ALK	NUT	SAL	CHL a	HPLC	O18	Ba	Comments
133	76	1 ✓	✓				x				x x x						Bottom
134	76	2 ✓	✓				x				x x x	x x					
135	50	3 ✓	✓				x				x x x	x x					
136	35	4 ✓	✓				x				x x x	x x					
137	25	5 ✓	✓				x				x x x	x x					
138	15	6 ✓	✓				x x				x x x						
139	5	7 ✓	✓				x				x x x	x x					
		8															
		9															
		10															
		11															
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Comments:

Rosette Log for IOS Cruise ID 2008-29

Cast # 011 UTC Date (ddmmmyyyy) 16/07/2009 0.13 In Air pressure 0.11 Water Depth(below hull) 107 m m
Station UN-4 UTC Time 0427 Ice Coverage 0/10 Sound Speed 1500
CTD File 2009-06-011.hex 200829- Lat (N) 53 59.982 Lon (W) 164 17.83 Start Scan 3950 CTD Operator YS

~105m Alt #12

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	DIC	d13-DIC	ALK	NUT	SAL	CHL a	HPLC	O18	Ba	Comments
140	101	✓1	✓✓				xx				xx x						3.7m off bottom - alt.
141	100	✓2	✓✓				x				xx x						5m off bottom - alt. note
142	75	✓3	✓✓				x				xx x	xx					
143	50	✓4	✓✓				x				xx x	xx					
144	25	✓5	✓✓				x				xx x						
145	25	✓6	✓✓				x				xx x	xx					
146	15	✓7	✓✓				x				xx x x						
147	5	✓8	✓✓				x				xx x	xx					
		9															
		10															
		11															
		12															
		13															
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Comments:

Rosette Log for IOS Cruise ID 2008-29

Cast # 012 UTC Date (ddmmmyyyy) 16/07/2009 014 In Air pressure 0.12 Water Depth(below hull) 101 m
Station UN3 UTC Time 0526 Ice Coverage 0/10 Sound Speed 1500
CTD File 2009-06-0012 200829- Lat (N) 54°02.484' Lon (W) 164°27.870' Start Scan 4489 CTD Operator MD

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	DIC	d13-DIC	ALK	NUT	SAL	CHL a	HPLC	O18	Ba	Comments
148	95	✓1	✓✓				X				XX	XX					3m off bottom.
149	75	✓2	✓✓				X				XX	X					
150	50	✓3	✓✓				X				XX	Y					
151	35	✓4	✓✓				XX				XX	X					
152	29	✓5	✓✓				Y				XX	Y					
153	15	✓6	✓✓				Y				XX	Y					
154	5	✓7	✓✓				Y				XX	Y					
		8															
		9															
		10															
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Comments:

Rosette Log for IOS Cruise ID ~~2008-29~~

Cast # 013 UTC Date (ddmmmyyyy) 16/07/2009 In Air pressure 0.11 Water Depth(below hull) 98.5 m
 Station UN2 UTC Time 05 Ice Coverage /10 Sound Speed 1500
 CTD File 2009-06-0013 Lat (N) 54° 06.856 Lon (W) 164 35.713 Start Scan 4200 CTD Operator MD

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	DIC	d13-DIC	ALK	NUT	SAL	CHL a	HPLC	O18	Ba	Comments
155	83	✓1	✓				X				X						Bottom.
156	83	✓2	✓														Akash - not needed
157	75	✓3	✓				XX				XX		XX				Akash
158	75	✓4	✓														
159	50	✓5	✓				X			XX	XX		XX		X	X	
160	50	✓6	✓														Akash
161	35	✓7	✓				X			X	XX			XX	X	XX	
162	35	✓8	✓										XX				Akash - not needed
163	25	✓9	✓				X			X	XX		XX		X	X	
164	25	✓10	✓														Akash
165	15	✓11	✓				X			X	XX			XX	XX	X	
166	15	✓12	✓														Akash
167	5	✓13	✓				X			X	XX		XX	XX	X	X	
168	5	✓14	✓														Akash
		15															
		16															
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HPLC samples taken from Akash's bottles. + extra chl from BOT14/W2

Comments:

Rosette Log for IOS Cruise ID 2008-29

Cast # 014 UTC Date (ddmmmyyyy) 16/07/2009 In Air pressure 0.14 Water Depth(below hull) 69 m
Station UN1 UTC Time 07 Ice Coverage 0 /10_ Sound Speed 1500
CTD File 200829- Lat (N) 54 11 Lon (W) 164 43 Start Scan 4900 CTD Operator MD
2009-06-0014

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	DIC	d13-DIC	ALK	NUT	SAL	CHL a	HPLC	O18	Ba	Comments
169	64	✓1	✓✓				*				*✓	*					3m off bottom by altimeter
170	50	✓2	✓✓				*				*	*	*				
171	35	✓3	✓✓				*				*	*	*				
172	25	✓4	✓✓				*				*	*	*				
173	15	✓5	✓✓				*				*	*	*				
174	5	✓6	✓✓				*				*✓	*	*				
		7															
		8															
		9															
		10															
		11															
		12															
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Comments:

Rosette Log for IOS Cruise ID 2008-29

Cast # 015 UTC Date (ddmmmyyyy) 16/07/2009 In Air pressure 0.035 Water Depth(below hull) ~2500 m
Station BCL 2 UTC Time 21:34 Ice Coverage 0/10 Sound Speed 1500
CTD File 200829- Lat (N) 55° 0.013 Lon (W) 169° 14.324 Start Scan _____ CTD Operator KS
2009-06-0015

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	DIC	d13-DIC	ALK	NUT	SAL	CHL a	HPLC	O18	Ba	Comments
175	1000	1 ✓	✓✓				x				xx	x	? ?				
176	750	2 ✓	✓✓				x						? ?				
177	500	3 ✓	✓✓				x										
178	250	4 ✓	✓✓				xx										
179	250	5 ✓	✓✓				x										
180	225	6 ✓	✓✓				x										
181	200	7 ✓	✓✓				x										
182	175	8 ✓	✓✓				xx										
183	150	9 ✓	✓✓				x										
184	125	10 ✓	✓✓				x										
185	100	11 ✓	✓✓				x					xx					
186	75	12 ✓	✓✓				x						xx				
187	50	13 ✓	✓✓				x			x	xx	x	xx		xx	x	
188	35	14 ✓	✓✓											xx			HPLC only
189	35	15 ✓	✓✓				x			x	xx	x			x	xx	
190	25	16 ✓	✓✓				x			x	xx	x	xx		x	x	
191	15	17 ✓	✓✓				x						xx				HPLC only
192	15	18 ✓	✓✓				x			x	xx	x			x	x	
193	5	19 ✓	✓✓										xx	xx			HPLC + chl a
194	5	20 ✓	✓✓				xx			x	xx	x			x	x	
		21															
		22															
		23															
		24															

Comments:

Rosette Log for IOS Cruise ID ~~2008-29~~

Cast # 016 UTC Date (ddmmmyyyy) 17/07/2009 In Air pressure -0.11 Water Depth(below hull) ~2500 m
 Station BS-JEEP UTC Time 07 Ice Coverage /10 Sound Speed 1500
 CTD File 200829- Lat (N) 56 01.3 Lon (W) 171 44.8 Start Scan 5#80 CTD Operator _____
2009-06-0016

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	DIC	d13-DIC	ALK	NUT	SAL	CHL a	HPLC	O18	Ba	Comments
195 ✓	1000	1					x				x	x					
196 ✓	750	2					x				x	x					
197 ✓	500	3					x				x	x					
198 ✓	350	4					x				x	x					
199 ✓	250	5					x				x	x					
200 ✓	225	6					x				x	x					
201 ✓	200	7									x	x					
202 ✓	175	8									x	x					
203 ✓	150	9									x	x					
204 ✓	125	10									x	x					
205 ✓	100	11									x	x					
206 ✓	75	12									x	x					
207 ✓	50	13								x	x	x					
208 ✓	35	14								x	x	x					
209 ✓	25	15								x	x	x					
210 ✓	15	16								x	x	x					
211 ✓	5	17					x			x	x	x					
		18															
		19															
		20															
		21															
		22															
		23															
		24															

Comments:

Rosette Log for IOS Cruise ID ~~2008-29~~

Cast # 017 UTC Date (ddmmmyyyy) 18/07/2009 In Air pressure -0.164 Water Depth(below hull) 109 m m
 Station BCL 4 UTC Time 01:43 Ice Coverage 0/10 Sound Speed 1500 m/s
 CTD File 200829- Lat (N) 59° 19.195 Lon (W) 173° 29.926 Start Scan CTD Operator KS
2009-06-17

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask #/draw temp	Oxy Trip Flask #/draw temp	Oxygen	DIC	d13-DIC	ALK	NUT	SAL	CHL a	HPLC	O18	Ba	Comments
212	100	1 ✓					x				xx	x					Bottom ~4-5 m off bottom.
213	75	2 ✓					x				xx	xx	xx				
214	50	3 ✓					xx			x	xx	x	xx		x	x	
215	35	4 ✓					x			x	xx	x			x	x	
216	25	5 ✓					(x)							xx			extra DO sample taken.
217	25	6 ✓					x			x	xx	x	xx		x	xx	
218	15	7 ✓					x			x	xx	x			xx	x	
219	15	8 ✓												xx			
220	5	9 ✓					x			x	xx	x			x	x	
221	5	10 ✓											xx	xx			
		11															
		12															
		13															
		14															
		15															
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		17															
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		23															
		24															

Comments:

Rosette Log for IOS Cruise ID 2008-29

Cast #

018

Station

BCL5

CTD File

200829-
2009-06-0018

UTC Date (ddmmmyyyy)

17/07/2009

UTC Time

0913

Lat (N)

60 38.832

Lon (W)

174 9.06

In Air pressure

-0.21

Ice Coverage

0/10

Water Depth(below hull)

71

m

Sound Speed

1500

Start Scan

4800

CTD Operator

MD

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	DIC	d13-DIC	ALK	NUT	SAL	CHL a	HPLC	O18	Ba	Comments
222	83	✓1					X				X	X					
223	75	✓2					X				X	X	X				
224	50	✓3					X			X	X	X	X		X	X	
225	38	✓4					X			X	X	X			X	X	
226	25	✓5												X			- should have been 35m
227	25	✓6					X			X	X	X	X		X	X	
228	15	✓7					X			X	X	X			X	X	
229	15	✓8												X			
230	5	✓9					X			X	X	X			X	X	
231	5	✓10											X	X			
		11															
		12															
		13															
		14															
		15															
		16															
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		24															

Comments:

Rosette Log for IOS Cruise ID ~~2008-29~~

Cast # 019 UTC Date (ddmmmyyyy) 18/07/2009 In Air pressure 0.083 Water Depth(below hull) 67 m
 Station SLP 5 UTC Time 19:41 Ice Coverage 0/10 Sound Speed 1500
 CTD File 200829- Lat (N) 62° 33.791 Lon (W) 173° 33.300 Start Scan _____ CTD Operator KS
2009-06-0d 9

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	DIC	d13-DIC	ALK	NUT	SAL	CHL a	HPLC	O18	Ba	Comments
232	60	1 ✓					x	xx	x		xx	✓					4.1-4.5 off bottom
233	50	2 ✓					xx				xx	x	xx				
234	35	3 ✓					x				xx	xx					
235	38	4 ✓												xx			
236	25	5 ✓					x	x	x		xx	x	xx				
237	15	6 ✓					x				xx	x					
238	15	7 ✓												xx			
239	5	8 ✓					x	x	x		xx	x	xx				
240	5	9 ✓											xx	xx			
		10															
		11															
		12															
		13															
		14															
		15															
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Comments:

2009-06

Rosette Log for IOS Cruise ID 2008-29

Cast # 020 UTC Date (ddmmmyyyy) 19/07/2009 -0.19 In Air pressure -0.05 Water Depth(below hull) 57 m
 Station BCL6A UTC Time 0534 Ice Coverage /10 Sound Speed _____
 CTD File 200829- Lat (N) 63 Lon (W) 172 Start Scan 4800 CTD Operator MD
2009-06-020

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	DIC	d13-DIC	ALK	NUT	SAL	CHL a	HPLC	O18	Ba	Comments
241	149	✓ 1					X	X	X	X	X	X			X	X	Bottom TS Alt + pressure.
242	25	✓ 2					X	X	X	X	X	X			X	X	* 3rd Nut is glass for phosphate
243	35	✓ 3					X	X	X	X	X	X			X	X	Alk by accident
244	25	✓ 4					X	X	X	X	X	X			X	X	
245	15	✓ 5					X	X	X	X	X	X			X	X	
246	15	✓ 6					X	X	X	X	X	X			X	X	
247	5	✓ 7					X	X	X	X	X	X			X	X	
248	5	✓ 8					X	X	X	X	X	X			X	X	
		9															
		10															
		11															
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		24															

Comments:

labels not
 right when printed
 - hand written labels
 made to correct
 mistakes
 correct sel y1 file
 saved after.
 10

Rosette Log for IOS Cruise ID ~~2008-29~~

Cast #

21

Station

BRS-1

CTD File

200829
2009-06

UTC Date (ddmmmyyyy)

19/07/09

UTC Time

20:28

Lat (N)

65° 39.140

Lon (W)

165° 13.092

In Air pressure

0.0194

Water Depth(below hull)

41-42

m

Ice Coverage

0/10

Sound Speed

Start Scan

CTD Operator

KS

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	DIC	d13-DIC	ALK	NUT	SAL	CHL a	HPLC	O18	Ba	Comments
249	36	1	✓✓				X	X	XX	X	XX	X	XX		X	X	bot @ 36 m.
250	36	2	✓✓				X			X	XX	X			XX	X	
251	25	3	✓✓				X	X	X	X	XX	X	XX		X	XX	no O18 taken.
252	15	4	✓✓				XX			X	XX	X			X	X	
253	5	5	✓✓				X	X	XX	X	XX	XX	XX		X	X	
		6															
		7															
		8															
		9															
		10															
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Comments:

Rosette Log for IOS Cruise ID 2008-29

Cast # 22 UTC Date (ddmmmyyyy) 19/07/2007 002 In Air pressure 0.02 Water Depth(below hull) 48 m
Station BRS-2 UTC Time 2/15 Ice Coverage /10 Sound Speed 1500
CTD File 200829 Lat (N) Lon (W) Start Scan 1100 CTD Operator MD

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	DIC	d13-DIC	ALK	NUT	SAL	CHL a	HPLC	O18	Ba	Comments
254	47	✓1	✓✓				X			X	X	X			X	X	
255	35	✓2	✓✓				X			X	X	X			X	X	
256	35	✓3	✓✓										X	X			
257	25	✓4	✓✓				X			X	X	X			X	X	
258	15	✓5	✓✓				X			X	X	X			X	X	
259	15	✓6	✓✓										X	X			
260	5	✓7	✓✓				X			X	X	X			X	X	
261	5	8	✓✓										X	X			not Y11/100 HPLC from 7
		9															
		10															
		11															
		12															
		13															
		14															
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Comments:

Rosette Log for IOS Cruise ID 2008-29

Cast # 23 UTC Date (ddmmmyyyy) 19/07/2009 In Air pressure 0.01 Water Depth(below hull) 48 m
 Station BR53 UTC Time 2159 Ice Coverage /10 Sound Speed 1500
 CTD File 200829- Lat (N) 65 40.831 Lon (W) 168 33.870 Start Scan 4600 CTD Operator MD

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	DIC	d13-DIC	ALK	NUT	SAL	CHL a	HPLC	O18	Ba	Comments
262	6.1K	✓1	✓✓				X	X	XX		X	X					45m.
263	35	✓2	✓✓				X				X	X					no chla
264	25	✓3	✓✓				X	X	XX	X	X	X			X	X	
265	15	✓4	✓✓				XX			X	X	X	XX		X	X	
266	5	✓5	✓✓				X	X	XX	X	XX	X	XX		X	X	
		6															
		7															
		8															
		9															
		10															
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Comments:

Rosette Log for IOS Cruise ID ~~2008-29~~

Cast # 24 UTC Date (ddmmmyyyy) 19/07/2009 0.11 In Air pressure 0.04 Water Depth(below hull) 47 m
 Station BR54 UTC Time 2239 Ice Coverage 0/10 Sound Speed 1500
 CTD File 200829- Lat (N) 65 Lon (W) 168 Start Scan 4900 CTD Operator MD

skipped.

2009-06-0024

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	DIC	d13-DIC	ALK	NUT	SAL	CHL a	HPLC	O18	Ba	Comments
267	35	✓1					X			X	X	X	X		X	X	
268	25	✓2					X			X	X	X			X	X	
269	15	✓3					X			X	X	X	X		X	X	
270	5	✓4					X			X	X	X	X		X	X	
		5															
		6															
		7															
		8															
		9															
		10															
		11															
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Comments:

Rosette Log for IOS Cruise ID 2008-29

Cast # 25 UTC Date (ddmmmyyyy) 19/07/2009 0.08 In Air pressure 0.00 Water Depth(below hull) 44 + 4 m
Station BRS-5 UTC Time 23 0 Ice Coverage /10 Sound Speed 1500
CTD File 200829- Lat (N) 65 42.916 Lon (W) 168 53.707 Start Scan 4300 CTD Operator MD
2009-06-0025

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	DIC	d13-DIC	ALK	NUT	SAL	CHL a	HPLC	O18	Ba	Comments
271	41	✓1					X	X	X	X	HH	HH			X	HH	5m off bottom.
272	55	✓2					X			X	HH	X			HH	X	
273	25	✓3											X	HH			
274	25	✓4					HH	X	HH	X	HH	X			X	X	
275	15	✓5					X			X	HH	X			X	X	
276	15	✓6											X	HH			
277	5	✓7					X	X	X	X	HH	X			X	X	
278	5	✓8											HH	HH			
		9															
		10															
		11															
		12															
		13															
		14															
		15															
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		24															

Comments:

Rosette Log for IOS Cruise ID 2008-29

Cast # 26 UTC Date (ddmmmyyyy) 20/07/2009 In Air pressure -0.0108 Water Depth(below hull) 50 m
Station UTM-5 UTC Time 12:46 Ice Coverage 0/10 Sound Speed 1500
CTD File 200829- Lat (N) 62°40.240 Lon (W) 168°57.439 Start Scan CTD Operator KS
2009-06-026.hex

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	DIC	d13-DIC	ALK	NUT	SAL	CHL a	HPLC	O18	Ba	Comments
279	5.5	1	✓				x	x	xx	x	xxx	x			x	x	bot-5=45m > vent was open on Niskin bot 1 - No samples taken.
280	35	2	✓				x			x	xxx	xx			x	x	
281	35	3	✓										xx	xx			
282	25	4	✓				x	x	xx	x	xxx	x			xx	x	
283	15	5	✓				x			x	x	x			x	xx	
284	15	6	✓										xx	xx			
285	5	7	✓				xx	x	x	x	xx	x			x	x	
286	5	8	✓										xx	xx			
		9															
		10															
		11															
		12															
		13															
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		15															
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		24															

Comments:

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2009-06

Station: BCL-7

Event #: 27

Ship: SWL

UTC Date (dd|mmm|yyyy): 21 | 07 | 2009

in air pressure: 0.0311

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL · L ⁻¹	Target Pressure	Confirmed Pressure	Oxy	Nut	Sal	Chl a	NH ₄	Dic	C/D	HP/LC			
1	287			230	✓	x	xx	x			x	xx				
2	288			30	✓	x	xx	x								
3	289			30	✓				xx				xx			
4	290			25	✓	x	xx	xx			x	x				
5	291			15	✓	x	xx	x								
6	292			15	✓				xx				xx			
7	293			5	✓	xx	xx	x			x	xx				
8	294			5	✓				xx				xx			
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): _____

Bottom Depth: _____ m

Transmissio Cleaned: Y / N

Time	UTC	Local
Start		
Bottom		
End		

Positional Information

Start
Lat: ° N
Lon: ° W

Bottom
Lat: ° N
Lon: ° W

End
Lat: ° N
Lon: ° W

Oxygen Info For This Cast

Blank Value: _____ mL · L⁻¹

Std Value: _____ mL · L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* Oxygen blanks and standards should be run daily, if possible

Water Properties Group

Rosette Log

Institute of Ocean Sciences, Ocean Sciences Division, Sidney, BC

Cruise ID: 2009-06

Station: CH-1

Event #: 28

Ship: _____

UTC Date (dd|mmm|yyyy): ____ | ____ | ____

Niskin #	Sample #	Oxygen Titrations		Rosette Operation		Samples Taken										Comments
		Flask Serial #	Value mL * L ⁻¹	Target Pressure	Confirmed ☒ Pressure	Oxy	Nut	Sal	Chl a	NH ₄	HPGL	DIC	C13	Alk	D18	
1	295			141		X	XX	X				X	XX			
2	296			141		X	XX	X				X	XX			
3	297			141		X	XX	X								
4	298			141		XX	XX	X				X	XX			
5	299			141		X	XX	X				X	XX			
6	300			141		X	XX	X	XX			X	XX			
7	301			141		X	XX	X				X	XX	X	X	
8	302			135		X	XX	XX						X	X	XX
9	303			135					XX	XX						
10	304			125		X	XX	X				X	XX	X	X	
11	305			115		X	XX	X				X		X	XX	
12	306			115					XX	XX						
13	307			115		X	XX	X					XX	X	X	
14	308			115					XX	XX	X					
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

Watchkeeper(s): _____

Bottom Depth: _____ m

Transmissio Cleaned: Y / N

Time	UTC	Local
Start	1409	
Bottom		
End	1417	

Positional Information

Lat: 71° 22.030 N
Lon: ° 41.328 W

Start

Lat: ° N
Lon: ° W

Bottom

Lat: ° N
Lon: ° W

End

Oxygen Info For This Cast

Blank Value: _____ mL * L⁻¹

Std Value: _____ mL * L⁻¹

*Date Run: ____ | ____ | ____

Analyst: _____

* Oxygen blanks and standards should be run daily, if possible