

Rosette Log for IOS Cruise ID 2008-29

Cast # 001 UTC Date (ddmmmyyyy) 07072008 -0.94 In Air pressure - .98 Water Depth(below hull) 3090 m
 Station L53 UTC Time 0630 Ice Coverage 0/10 Sound Speed 1441 m/s
 CTD File 200829-0001 Lat (N) 55 57 785 Lon (W) 53 15 666 Start Scan 1450 CTD Operator MD

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask #/draw temp	Oxy Trip Flask #/draw temp	Oxygen	Chla	CDOM	Bac	ALK	NUT	SAL	Ba	O18	Comments
1	1000	✓ 1	✓✓													
2	1000	✓ 2	✓✓	3116=6.786	3109=6.929		✓✓				✓	✓✓	✓	✓	✓	Oxy notes (I was fiddling w stir bar) - wrong depth in oxy compute.
3	1000	✓ 3	✓✓	3186=6.897	3157=6.913*		✓✓		✓	✓		✓	✓			
4	750	✓ 4	✓✓	3188=6.845	3130=6.810	3016=6.808	✓✓✓									
5	500	✓ 5	✓✓	3142=6.791	3118=6.764		✓✓									
6	350	✓ 6	✓✓	3100=6.884	2087=6.893		✓✓									
7	250	✓ 7	X ✓	2027=6.742	3009=6.781		✓	✓			✓			✓	✓	
8	225	✓ 8	✓✓	3137=6.752	3182=6.767											
9	200	✓ 9	✓✓✓	2060=6.646	3007=6.695											
10	175	✓ 10	✓✓	3207=6.765	3003=6.706											No CDM sample - missed
11	150	✓ 11	✓✓	3199=6.571	3209=6.615											
12	125	✓ 12	✓✓	2007=6.547	2032=6.521							✓				
13	100	✓ 13	✓✓	3204=6.577	3181=6.606			✓				✓✓				
14	75	✓ 14	✓✓	3202=6.872	3203=6.875							✓				
15	50	✓ 15	✓✓	3104=7.118	3107=7.145			✓								
16	35	✓ 16	✓✓	3108=7.621	3113=7.632			✓								
17	25	✓ 17	✓✓	3119=7.814	3121=7.825		✓✓									
18	15	✓ 18	✓✓	3123=7.346	3124=7.382	3126=7.343	✓✓	✓					✓			
19	5	19	X ✓	3201=7.262	3135=7.244		✓✓	✓	✓	✓	✓	✓		✓	✓	
20	5	20	✓✓													
21	5	21	✓✓													
22	5	22	✓✓													
		23														
		24														

Comments: Nutrients were frozen 10 hours after cast - stored in fridge until then (freezer was locked at night)

Rosette Log for IOS Cruise ID 2008-29

Cast # 2 UTC Date (ddmmmyyy) 08/JULY/2008 In Air pressure 0.96 Water Depth(below hull) 569 m
 Station DS1 UTC Time 17:35 Ice Coverage 0/10 Sound Speed 1441
 CTD File 200829-0002 Lat (N) 65° 20.95 N Lon (W) 57 44.95 W Start Scan 15505 CTD Operator AS

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	Chla	CDOM	Bac	ALK	NUT	SAL	Ba	O18	Comments
23	B0-5	5771	✓	3116 = 5.163			✓		✓	✓	✓	✓	✓	✓	✓	
24	500	2		3186 = 5.394			✓					✓	✓			
25	350	3		3188 = 6.224	3142 = 6.290		✓					✓				
26	250	4		3100 = 6.486			✓				✓			✓	✓	
27	225	5		2027 = 6.509			✓									
28	200	6		3182 = 6.505			✓									
29	175	7		3007 = 6.532			✓									
30	150	8		2032 = 6.430	3209 = 6.381	3003 = 6.430	✓	✓								
31	125	9		3181 = 6.662			✓									
32	100	10					✓	✓								125 DOUBLE CLICKED
33	100	11		3203 = 7.624			✓					✓				100
34	75	12		3107 = 7.434			✓	✓				✓				75
35	50	13		3113 = 7.687			✓	✓				✓				50
36	35	14		3121 = 7.827			✓						✓			35
37	25	15		3161 = 8.476			✓	✓					✓			25
38	15	16		3124 = 8.432	3433135 =	8.467	✓	✓	✓	✓	✓	✓	✓	✓	✓	15
	5	17	✓	3433164 = 8.453												5
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Comments:

Rosette Log for IOS Cruise ID 2008-29

Cast # 3 UTC Date (ddmmmyyyy) 09/07/2008 In Air pressure -92 Water Depth(below hull) 765 m
 Station D52 UTC Time 0316 Ice Coverage /10 Sound Speed 1441 m/s
 CTD File 200829-0003 Lat (N) 66°45.58 Lon (W) 58°32.34 Start Scan 9645 CTD Operator S. Sloman

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	Chla	CDOM	Bac	ALK	NUT	SAL	Ba	O18	Comments
39	750 ✓	1	✓✓	3109 = 4.644			✓		✓	✓	✓	✓	✓	✓	✓	
40	750 ✓	2	✓✓	3157 = 4.587	3130 = 4.554		✓		✓	✓	✓	✓	✓	✓	✓	wrong depth in oxy compute
41	500 ✓	3	✓✓	3118 = 5.127			✓		✓	✓	✓	✓	✓	✓	✓	
42	350 ✓	4	✓✓	2087 = 5.785			✓		✓	✓	✓	✓	✓	✓	✓	
43	250 ✓	5	✓✓	3009 = 6.170			✓		✓	✓	✓	✓	✓	✓	✓	
44	225 ✓	6	✓✓	3137 = 6.298			✓		✓	✓	✓	✓	✓	✓	✓	
45	200 ✓	7	✓✓	2060 = 6.338			✓		✓	✓	✓	✓	✓	✓	✓	
46	175 ✓	8	✓✓	3207 = 6.122	3199 = 6.114	2007 = 6.202	✓	✓	✓	✓	✓	✓	✓	✓	✓	Triplicate on 8, NOT 10
47	150 ✓	9	✓✓	3204 = 6.812			✓		✓	✓	✓	✓	✓	✓	✓	
48	125 ✓	10	✓✓	3202 = 7.325			✓	✓	✓	✓	✓	✓	✓	✓	✓	
49	100 ✓	11	✓✓	3164 = 7.535			✓		✓	✓	✓	✓	✓	✓	✓	
50	75 ✓	12	✓✓	3108 = 7.616			✓		✓	✓	✓	✓	✓	✓	✓	
51	50 ✓	13	✓✓	3119 = 8.132			✓	✓	✓	✓	✓	✓	✓	✓	✓	bubble on lens
52	35 ✓	14	✓✓	3123 = 8.352			✓	✓	✓	✓	✓	✓	✓	✓	✓	
53	25 ✓	15	✓✓	3201 = 8.513	3177 = 8.502		✓	✓	✓	✓	✓	✓	✓	✓	✓	
54	15 ✓	16	✓✓	3186 = 8.689			✓	✓	✓	✓	✓	✓	✓	✓	✓	
55	5 ✓	17	✓✓	3200 = 8.414			✓	✓	✓	✓	✓	✓	✓	✓	✓	run 2 oxy samples for Phil
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Comments:

Rosette Log for IOS Cruise ID 2008-29

Cast # 4 UTC Date (ddmmmyyy) 09/10/2008 -1.83 In Air pressure -0.93 Water Depth(below hull) 327 m
Station DSS UTC Time 10 03 Ice Coverage 0/10 Sound Speed 1441
CTD File 200829-004 Lat (N) 68 2 198 Lon (W) 57 32 201 Start Scan 13700 CTD Operator M. Davelaar

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	Chla	CDOM	Bac	ALK	NUT	SAL	Ba	O18	Comments
56	324	✓ 1							✓	✓	✓	✓	✓	✓	✓	
57	300	✓ 2		3012 = 6.281	3006 = 6.273		✓				✓	✓	✓			
58	250	✓ 3		3018 = 6.656							✓			✓	✓	
59	225	✓ 4		3024 = 6.840												
60	200	✓ 5		3028 = 6.856												
61	175	✓ 6		3033 = 7.053	3034 = 7.159	3038 = 7.060	✓	✓								
62	150	✓ 7	X ✓	3040 = 7.160												
63	125	✓ 8		3043 = 7.205				✓								
64	100	✓ 9		3047 = 7.226								✓	✓			
65	75	✓ 10		3051 = 7.368												
66	50	✓ 11		3052 = 7.856				✓								
67	35	12		3055 = 8.447				✓								
68	25	✓ 13		3057 = 8.864			✓	✓								
69	15	✓ 14		3058 = 8.859				✓								
70	5	15	X ✓	3048 = 9.321				✓	✓	✓	✓	✓	✓	✓	✓	
		16		3061 = 8.265												
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Rosette Log for IOS Cruise ID 2008-29

Cast # 005 UTC Date (ddmmmyyyy) 11 07 2008 -0.88 In Air pressure -0.89 Water Depth(below hull) 635 m
Station CAAI UTC Time 1058 Ice Coverage 1 / 10 Sound Speed 1441
CTD File 200829-0005 Lat (N) 73 56 052 Lon (W) 81 49 867 Start Scan 9001 CTD Operator MD

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	Chla	CDOM	Bac	ALK	NUT	SAL	Ba	O18	Comments
71	1305 640	✓ 1	✓✓	3116 = 4.827	3186 = 4.853		✓✓		✓	✓	✓	✓	✓✓	✓	✓	
72	500	✓ 2	✓✓	3188 = 5.511			✓					✓✓	✓			
73	350 ✓	3	✓✓	3142 = 5.661			✓					✓	✓			
74	250 ✓	4	✓✓	3100 = 5.784			✓				✓			✓	✓	
75	225 ✓	5	✓✓	2027 = 5.911			✓									
76	200 ✓	6	✓✓	3182 = 6.156	3007 = 6.187	3003 = 6.176	✓✓									
77	175 ✓	7	✓✓	3209 = 6.714			✓									fired but did not confirm in Seaxave
78	175 ✓	8	✓✓	2032 = 6.851			✓					✓				
79	150 ✓	9	✓✓	3181 = 6.947			✓					✓✓	✓			
80	125 ✓	10	✓✓	3203 = 7.386			✓	✓					✓✓			
81	100 ✓	11	✓✓	3107 = 7.096			✓						✓			
82	75 ✓	12	✓✓	3113 = 7.399	3121 = 7.418		✓✓									
83	50 ✓	13	✓✓	3161 = 7.791			✓	✓								
84	35 ✓	14	✓✓	3124 = 7.945			✓	✓				✓				
85	25 ✓	15	✓✓	3135 = 8.960			✓	✓				✓✓				
86	15 ✓	16	✓✓	3164 = 9.427			✓	✓	✓	✓	✓	✓	✓	✓	✓	
87	5	17	✓✓	3166 = 8.780			✓	✓	✓	✓	✓	✓	✓	✓	✓	
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Comments:

Rosette Log for IOS Cruise ID 2008-29

Cast # 006 UTC Date (ddmmmyyy) 11 JULY 2008 -0.96 In Air pressure 0.88 Water Depth(below hull) 345 m
Station CAA2 UTC Time 16:48 Ice Coverage 0 /10 Sound Speed 1441
CTD File 200829- 0006 Lat (N) 73° 55' 981 Lon (W) 86° 09.36 Start Scan 11590 CTD Operator AS

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp mL/L	Oxy Dup Flask #/ draw temp	Oxy Trip Flask #/ draw temp	Oxygen	Chla	CDOM	Bac	ALK	NUT	SAL	Ba	O18	Comments
88	305	1		3066 = 4.820			✓		✓	✓	✓	✓	✓	✓	✓	
89	250	2		3012 = 4.996			✓		✓	✓	✓	✓	✓	✓	✓	
90	225	3		3018 = 5.326			✓		✓	✓	✓	✓	✓	✓	✓	
91	200	4		3024 = 5.654			✓		✓	✓	✓	✓	✓	✓	✓	
92	175	5		3028 = 6.137			✓		✓	✓	✓	✓	✓	✓	✓	
93	150	6		3033 = 6.737			✓		✓	✓	✓	✓	✓	✓	✓	
94	125	7		3034 = 7.104			✓		✓	✓	✓	✓	✓	✓	✓	
95	100	8		3038 = 7.184			✓	✓	✓	✓	✓	✓	✓	✓	✓	
96	75	9		3040 = 7.359			✓		✓	✓	✓	✓	✓	✓	✓	
97	50	10		3043 = 7.483			✓	✓	✓	✓	✓	✓	✓	✓	✓	
98	35	11		3047 = 7.737			✓	✓	✓	✓	✓	✓	✓	✓	✓	
99	25	12		3048 = 7.889			✓	✓	✓	✓	✓	✓	✓	✓	✓	
100	15	13		3051 = 7.923			✓	✓	✓	✓	✓	✓	✓	✓	✓	
101	5	14		3052 = 8.011			✓	✓	✓	✓	✓	✓	✓	✓	✓	
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Comments:

Rosette Log for IOS Cruise ID 2008-29

Cast # 7 / 7A UTC Date (ddmmmyyy) 14 07 2008 -0.82 In Air pressure -0.96 Water Depth(below hull) 24 m
Station PS1 UTC Time 0745 Ice Coverage 10 / 10 Sound Speed 1441
CTD File 200829-0007 Lat (N) 73 35 838 Lon (W) 96 17 714 Start Scan 801 / 26000 CTD Operator MD

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	Chla	CDOM	Bac	ALK	NUT	SAL	Ba	O18	Comments
102	Bo-5 242	1	✓✓	3006 = 6.125		3116	✓✓		✓	✓	✓	✓	✓	✓	✓	Dr sample too warm & degassing
103	200	2	✓✓	3012 = 5.966	3018 = 5.999	3186	✓✓					✓	✓			
104	175	3	✓✓	3024 = 6.347		3188 / 3102	✓✓					✓				
105	150	4	✓✓	3028 = 6.270		3100	✓									
106	125	5	✓✓	3033 = 6.385		2027	✓	✓								not on cut and etc. - will cool next
107	100	6	✓✓	3034 = 6.514	3057 = 6.483	3182	✓									- change flask info. of samples bottle
108	75	7	✓✓	3038 = 6.750		3007	✓									(though I think)
109	50	8	✓✓	3040 = 7.226	3055 = 7.171	3209 / 3003	✓✓	✓	✓			✓				switch. G.S.
110	35	9		3043 = 7.168		2032	✓	✓				✓✓				
111	25	10	✓✓	* 3048 = 7.642	3052 = 7.651	3203	✓✓	✓	✓			✓				Δ 3040 to 3052 values in oxy temp.
112	15	11	✓✓	3051 = 9.533		3107	✓✓	✓								*
113	10	12	✓✓	3047 = 10.145		3181	✓✓	✓	✓	✓	✓	✓	✓	✓	✓	
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Comments: IOS 02
→ Suddenly I am having troubles w lots of crap floating in the samples. I tried cooling them more b/c I thought it was out-gassing, but now I'm not so sure. I reshook the remaining samples.
→ + now the titration are fine. So what happened? Pickling? Shaking error? (Sheila)
7

Rosette Log for IOS Cruise ID 2008-29

Cast # 8 UTC Date (ddmmmyyyy) 14/07/2008 -098 In Air pressure -1.00 Water Depth(below hull) 333 m
 Station PS2 UTC Time 15 19:00 Ice Coverage 10 /10 Sound Speed 1441
 CTD File 200829-0008 Lat (N) 72 59.998 Lon (W) 96 13.188 Start Scan 1849 CTD Operator FOLK

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	Chla	CDOM	Bac	ALK	NUT	SAL	Ba	O18	Comments
114	bot - 10	1	334	3130-5.928			✓		✓	✓	✓	✓	✓	✓	✓	O ₂ Samples w/ particulates don't titrate well. O ₂ in this case had quite few.
115	250	2		5.916/2087	3112-5.917		✓		✓	✓	✓	✓	✓	✓	✓	Sample 115 Flask 3118 has bubble in flask + chem. residue on flask
116	225	3		3009-5.875			✓		✓	✓	✓	✓	✓	✓	✓	3137 - particulate floaties
117	200	4		3060-5.843	3207-5.825	3137-5.865	✓		✓	✓	✓	✓	✓	✓	✓	Bottom cap leaked lots. Niskin
118	175	5		3199-5.910			✓		✓	✓	✓	✓	✓	✓	✓	
119	150	6		2007-6.071			✓		✓	✓	✓	✓	✓	✓	✓	
120	125	7		3204-6.309			✓		✓	✓	✓	✓	✓	✓	✓	Sample 120 - particulate floaties
121	100	8		3202-6.244			✓	✓	✓	✓	✓	✓	✓	✓	✓	- particulates in O ₂
122	75	9		3104-6.340			✓		✓	✓	✓	✓	✓	✓	✓	
123	50	10		3108-6.685			✓	✓	✓	✓	✓	✓	✓	✓	✓	
124	35	11		3119-6.677			✓	✓	✓	✓	✓	✓	✓	✓	✓	
125	25	12		3123-7.070	3201-7.101		✓	✓	✓	✓	✓	✓	✓	✓	✓	
126	15	13		3177-9.495			✓	✓	✓	✓	✓	✓	✓	✓	✓	
127	5	14		3180-9.327			✓	✓	✓	✓	✓	✓	✓	✓	✓	nice curve
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Comments:

Rosette Log for IOS Cruise ID 2008-29

Cast #9

Station BE-2

CTD File 200829-0009

UTC Date (ddmmmyyyy) 15/07/2008

UTC Time 02:58

Lat (N) 71 58-454

Lon (W) 95 59.906

In Air pressure -0.83

Water Depth(below hull) 420 m

Ice Coverage 10/10

Sound Speed 1441

Start Scan 11089

CTD Operator EF

opto 15

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	Chla	CDOM	Bac	ALK	NUT	SAL	Ba	O18	Comments
128	Bo Horn	1	✓✓		3006-5.844		✓		✓	✓		✓	✓			O2's went well - no problem w/ particulates (Double shaken)
129	350	2	✓✓		3012-5.879	3018-5.947	✓✓					✓	✓			3012- 3018 - poorly shaken (clumps) added extra acid.
130	250	3	✓✓		3024-5.619		✓	✓			✓	✓✓	✓✓	✓	✓	- residue on flask
131	225	4	✓✓		3028-5.684											leaking from bottom seal - residue on flask
132	200	5	✓X		3033-5.645											
133	175	6	✓✓		3038-5.711											
134	150	7	✓✓		3040-5.706											- residue
135	125	8	✓✓		3053-6.002		✓									
136	100	9	✓✓		3043-5.870	3052/3048	✓✓✓									3043 - residue + clumps = 5.964
137	75	10	✓✓		3051-6.035		✓					✓✓	✓✓			3052 = 5.833
138	50	11	✓✓		3047-6.529			✓								
139	35	12	✓✓		3057-6.865			✓								
140	25	13	✓✓		3034-7.014			✓								
141	15	14	✓✓		3058-8.577			✓								Niskin hit by ice at surface
142	5	15	✓✓		3061-9.811		✓	✓	✓	✓	✓	✓	✓	✓	✓	" - O2 sample had clumps + particulates - added extra acid
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Comments:

Rosette Log for IOS Cruise ID 2008-29

Cast # 10 UTC Date (ddmmmyyyy) 15 09 2008 -1.79 In Air pressure .98 Water Depth(below hull) 145 m
Station FS1 UTC Time 1520 Ice Coverage 10/10 Sound Speed 1441
CTD File 200829-0010 Lat (N) 70 59 911 Lon (W) 97 59 94 Start Scan 10000 CTD Operator MD

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	Chla	CDOM	Bac	ALK	NUT	SAL	Ba	O18	Comments
143	805-10	1	X✓	3027-6.140	3135-		✓✓		✓		✓	✓	✓	✓	✓	
144	125	2	✓✓	3124-4.884	3100	3188	✓✓✓	✓				✓	✓			triplicate S10
145	100	3	✓✓	3142-4.998	3121-5.028	3161	✓✓✓					✓✓	✓✓			triplicate 102
146	75	4	✓✓	3186	3113-5.618		✓✓									
147	50	5	✓✓	3116-6.127	3181		✓✓	✓								
148	35	6	✓✓	3178	3107-6.776		✓✓							✓		
149	25	7	✓✓	2032-8.289	3160	3203-8.405	✓✓									triplicate 103
150	15	8	✓✓	3209-9.018	3151	3171	✓✓									triplicate S10
151	5	9	✓✓	3166-9.298	3182		✓✓	✓	✓		✓	✓	✓	✓	✓	
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Comments: (E.F.) Found labels are labelled FS-2, not FS-1

Rosette Log for IOS Cruise ID 2008-29

Cast # 11 UTC Date (ddmmmyyyy) 16 07 2008 -.93 In Air pressure -.87 Water Depth(below hull) 209 m
Station VS-1 UTC Time 0548 Ice Coverage 10 /10 Sound Speed 1441
CTD File 200829-0010 Lat (N) 70 14 962 Lon (W) 98 55 792 Start Scan 6000 CTD Operator MD

SIO

SIO Oxygen
VLE

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp SIO	Oxy Dup Flask # / draw temp IOS	Oxy Trip Flask # /draw temp	Oxygen	Oxygen	Chla	CDOM	Bac	ALK	NUT	SAL	Ba	O18	Comments
152	bot	1	X ✓	3086 / 1	3130-5.241		✓	✓		✓	✓	✓	✓	✓	✓	✓	top seal bad
153	200	2	✓	3102 / 43	3087-5.032	3040-4.927	✓	✓					✓	✓			
154	175	3	✓	3018 / 3	3009-5.053		✓	✓	✓				✓	✓			
155	150	4		3024 / 4	3137-5.142		✓	✓					✓	✓			
156	125	5		3028 / 5	3060-5.326		✓	✓					✓	✓			
157	100	6		/ 6	3207-5.311		✓	✓					✓	✓			
158	75	7		3199 / 422	3038-5.720		✓	✓					✓	✓			NO CDOM #7
159	50	8		3055 / 401	6.306 - 3055		✓	✓	✓				✓	✓			
160	35	9		/ 13	3204-6.113		✓	✓	✓				✓	✓			
161	25	10		3202 / 429	3043-7.594		✓	✓	✓				✓	✓			
162	15	11	✓ ✓	3104-9.055	3052-9.055	3104 / 203	✓	✓	✓				✓	✓			X oxy style (endpt for com A)
163	5	12	✓ X	3105 / 333	31047-9.056		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	small leak at bottom seal
		13															
		14															
		15															
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Comments:

Rosette Log for IOS Cruise ID 2008-29

Cast # 12 UTC Date (ddmmmyyyy) 17072008 -0-87 In Air pressure -0-89 Water Depth(below hull) 113 m
Station QM-1 UTC Time 02:34 Ice Coverage 10/10 Sound Speed 1441
CTD File 200829-0012 Lat (N) 68 39.984 Lon (W) 103.00.211 Start Scan 23221 CTD Operator EF

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	☒ Oxygen	☒ Chla	☒ CDOM	Bac	☒ ALK	☒ NUT	☒ SAL	☒ Ba	☒ O18	Comments
164	Bottom	1		402	315		✓	✓	✓	✓	✓	✓	✓	✓	✓	
165	100	2		416			✓	✓	✓	✓	✓	✓	✓	✓	✓	
166	75	3		306			✓	✓	✓	✓	✓	✓	✓	✓	✓	
167	50	4		304			✓	✓	✓	✓	✓	✓	✓	✓	✓	
168	35	5		417			✓	✓	✓	✓	✓	✓	✓	✓	✓	
169	25	6		308			✓	✓	✓	✓	✓	✓	✓	✓	✓	
170	15	7		424			✓	✓	✓	✓	✓	✓	✓	✓	✓	
171	5	8		403			✓	✓	✓	✓	✓	✓	✓	✓	✓	
172		9														
173		10														
		11														
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Comments: Ice covered water did not bring rosette to surface as ~~it~~ was too close to the side of the ship. On recovery did a bit of yo-yo-ing trying to come up through the ice. Caught a block near ADCP. CTD cable came back bent in 2 places. CTD

Due to wire,

Need to check data for mod-error count

Rosette Log for IOS Cruise ID 2008-29

Cast # 13 UTC Date (ddmmmyyyy) 17072008 -0.90 In Air pressure -0.90 Water Depth(below hull) 132 m
Station DV-1 UTC Time 1229 Ice Coverage 10/10 Sound Speed 1441
CTD File 200829- Lat (N) 69 00.025 Lon (W) 106 09368 Start Scan 7100 CTD Operator MD

Samp #	Depth(m)	Niskin #	Bottle Integrity	Oxy Flask #/draw temp	Oxy Dup Flask # / draw temp	Oxy Trip Flask # /draw temp	Oxygen	Chla	CDOM	Bac	ALK	NUT	SAL	Ba	O18	Comments
172	Bot 125	✓ 1	✓✓	3109 / 411			✓✓		✓	✓	✓	✓	✓	✓	✓	
173	100	✓ 2	✓✓	3206 / 28			✓	✓	✓	✓	✓	✓	✓	✓	✓	
174	75	✓ 3	✓✓	3197 / 417			✓✓									
175	50	✓ 4	✓✓	3096 / 25			✓	✓								
176	35	✓ 5	✓✓	3094 / 24			✓	✓								
177	25	✓ 6	✓✓	3084 / 23			✓	✓								
178	15	✓ 7	✓✓	3075 / 22			✓	✓								
179	5	✓ 8	✓✓	3069 / 21			✓	✓	✓	✓	✓	✓	✓	✓	✓	
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Comments: