Oxygen Sample Log
F10-89-CP

CTD Station #: Station 2 CTD 1 Day & Time(GMT) 257 1959 - 2169
Latitude: 12° 12.3' N to 12° 12.5' E
Longitude: 166° 15. ' N to 166° 14.9' E

Standardization: 5 standards 1) 0.9799 (do not use in average)
2) 0.844
3) 0.8639
4) 0.862
5) 0.8581

AVG = 0.857

	Niskin Bottle Number	Niskin Sample Depth	BOD Bottle Number	Titration (ml)
1	1	902 m	61	0.124 A
2	1	"	62	0.122 A
3	1	"	63	0.124 A
4				
5	3	348 m	64	0.081 A
6	3	"	65	0.084 A
7	3	"	66	0.086
8				
9	5	297 m	67	0.1285
10	5	"	68	0.129
11	5	"	69	0.1282
12				
13	7	100.5 m	70	—
14	7	"	71	0.4279
15	7	"	72	0.432
16				
17				
18				
19				
20				
21				
22				
23				
24				

Oxygen Sample Log
F10-89-CP

Station 5

CTD Station #: CTD 2 Day & Time(GMT) 258 1150 - 1427

Latitude: 12° 10.4' " to 12° 10.4' N

Longitude: 166° 18.5' E 166° 18.5' E

Standardization: 0.857

	Niskin Bottle Number	Niskin Sample Depth	BOD Bottle Number	Titration (ml)
1	Rack #1	~~1472~~	49	0.2185 A
2	"	1433	50	0.2179 A
3	"		51	0.2065 A
4				
5	3	258	52	0.080
6	3		53	0.0815
7	3		54	0.084
8				
9	5	200	55	0.320
10	5		56	0.307
11	5		57	0.321
12				
13	7	99	58	0.414
14	7		59	0.4125
15	7		60	0.415
16				
17				
18				
19				
20				
21				
22				
23				
24				

Oxygen Sample Log
F10-89-CP

CTD Station #: CTD3 Station 6 Day & Time(GMT) Julian Day 258 2111 to 259 0021
Latitude: 12° 27.0' N to 12° 26.9' N
Longitude: 165° 13.2' E to 165° 13.1' E

Standardization: 0.857

	Niskin Bottle Number	Niskin Sample Depth	BOD Bottle Number	Titration (ml)
1	1	2164	5	0.228 A
2			6	0.223 A
3			7	0.227 A
4				
5	3	499	8	0.108
6			9	0.106
7			10	0.107
8				
9	5	401	11	
10			12	
11			13	
12				
13	7	100	14	0.435
14			15	0.434
15			16	0.414
16				
17				
18				
19				
20				
21				
22				
23				
24				

Oxygen Sample Log
F10-89-CP

CTD Station #: CTD-4 Station #7 Day & Time(GMT) 259; 0754 - 1023
Latitude: 12°46.3 - 12°46.4 N
Longitude: 163°48.2 - 163°48.2 E

Standardization: 0.857

	Niskin Bottle Rack Number	Niskin Sample Depth	BOD Bottle Number	Titration (ml)	GMT
1	1	2121	25	0.237 A	(0846)
2		2121	26	0.229	
3		2121	27	0.224	
4					
5	3	1623	28	0.198	(0925)
6		1623	29	0.199	
7		1623	30	0.194	* indicated .000 * oxygen
8					
9	5	435	31		(1006)
10		435	32		
11		435	33		
12					
13	7	98	34	0.428	(1019)
14		98	35	0.436	
15		98	36	0.426	
16					
17					
18					
19					
20					
21					
22					
23					
24					

-nnEO)

Oxygen Sample Log
F10-89-CP

CTD Station #: CTD 6 Station 14 Day & Time(GMT) 262 1747 to 1820
Latitude: 11° 47.13 N
Longitude: 161° 32.09 E

Standardization: 1.1086

	Niskin Bottle Number	Niskin Sample Depth	BOD Bottle Number	Titration (ml)
1	Rack 1	391 m	49	0.021
2		391 m	70	0.083
3		391 m	67	0.081
4				
5	Rack #13	100 m	29	0.293
6		100 m	30	0.2839
7		100 m	51	0.325
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

Blew shaft on winch

Oxygen Sample Log
F10-89-CP

CTD Station #: ~~3~~ 7 / Station 16 Day & Time(GMT) 0211 / 0430
Latitude: 11°47.2' — 11°47.5'
Longitude: 161°31.9 - 161°31.7'

Standardization: 1.1086

	BOD ~~Niskin~~ Bottle Number	Niskin Sample Depth	Niskin ~~BOD Bottle~~ Number	Titration (ml)	
1	54	2144	1	0.278	
2	57			~~0.~~	
3	60			0.305	CTD
4					
5	52	1098	3	0.092	≈ 5 → 85 m
6	21			0.092	
7	17			0.095	
8					
9	65	451	5	0.106	
10	69			0094	
11	63			0.089	
12					
13	26	100.7	7	0.246	*
14	72			0.258	*
15	36			0.238	*
16					
17					
18					
19					
20					
21					
22					
23					
24					

Oxygen Sample Log
F10-89-CP

CTD Station #: CTD 8 Station 18 Day & Time(GMT) 263 2111 - 2318
Latitude: 10°51.32'
Longitude: 160° 51.23'

Standardization: 1.1086

	Rect # Niskin Bottle Number	Niskin Sample Depth	BOD Bottle Number	Titration (ml)
1	1	451	18	0.082
2		451	50	0.084
3		451	61	0.076
4				
5	3	98	68	0.229
6		98	27	0.299
7		98	15	0.222
8				
9	7	2174	66	0.146
10		2174	71	0.136 A
11		2174	19	0.122 A
12				
13	9	750	22	
14		750	62	
15		750	55	
16				
17				
18				
19				
20				
21				
22				
23				
24				

Oxygen Sample Log
F10-89-CP

CTD Station #: CTD 9, STATION 19 Day & Time(GMT) 266 : 0130 – 0331
Latitude: ~~10°51.32'~~ 09°22.4'
Longitude: ~~160°51.23~~ 160°42.9'

Standardization: 0.846, 0.844, 0.854,
0.872, 0.854, 0.820

	Niskin Bottle Number	Niskin Sample Depth	BOD Bottle Number	Titration (ml)	
1		2164	25	0.142	A+ coldest
2		2164	26	0.144	A+
3		2164	27	0.136	A+
4					
5	3	613	28	0.073	
6		613	29	0.082	A+
7		613	30	0.078	A-
8					
9	5	349	31		
10		349	32		
11		349	33		
12					
13	7	99	34	0.263	
14		99	35	0.249	warmest
15		99	36	0.215	
16					
17					
18					
19					
20					
21					
22					
23					
24					

Oxygen Sample Log
F10-89-CP

CTD Station #: CTD 10, Station 21 Day & Time(GMT) 266 ; 1042 - 1153
Latitude: 9°47.8' N
Longitude: 160° 28.0' E

Standardization:

	Niskin Bottle Number	Niskin Sample Depth	BOD Bottle Number	Titration (ml)
1	1	1411	5	0.118
2		1411	6	0.116
3		1411	7	0.126
4				
5	3	499	11	0.062
6		499	12	0.065
7		499	13	0.073
8				
9	5	350	14	
10		350	15	
11		350	16	
12				
13	7	99	17	0.271
14		99	18	0.256
15		95	19	0.244
16				
17				
18				
19				
20				
21				
22				
23				
24				

broke bottle

Oxygen Sample Log
F10-89-CP

CTD Station #: 11, STN 24 Day & Time(GMT) 267
Latitude: 10° 07.6'N
Longitude: 160° 27.5'E

Standardization:

	Niskin Bottle Number	Niskin Sample Depth	BOD Bottle Number	Titration (ml)
1	1	1753	49	0.131 A+
2		1753	50	0.138 A+
3		1753	51	0.124
4				
5	3	986	56	
6		986	57	
7		986	58	
8				
9	5	400	59	0.067
10		400	60	0.068
11		400	61	0.064
12				
13	7	101	63	0.245
14		101	64	0.240
15		101	65	0.230
16				
17				
18				
19				
20				
21				
22				
23				
24				

Oxygen Sample Log
F10-89-CP

CTD Station #: 12, St 28 Day & Time(GMT) 268; 0607-0737
Latitude: 10°15'N
Longitude: 160°41'E

Standardization: Bottle 45 - 0.946; Bottle 46 - 1.202
Bottle 33 - 0.820 Bottle 32 - 0.832 Bottle 25 - 0.850
Bottle 26 - 0.851

	Niskin Bottle Number	Niskin Sample Depth	BOD Bottle Number	Titration (ml)
1	1	1661	44	
2			43	
3			66	
4				
5	3	499	52	0.135
6			53	0.127
7			54	0.134
8				
9	5	351	70	0.116
10			71	0.110
11			72	0.120
12		—		
13	7	101	67	0.424
14			68	0.419
15			69	0.423
16				
17				
18				
19				
20				
21				
22				
23				
24				

Oxygen Sample Log
F10-89-CP

CTD Station #: CTD13; Station 30 Day & Time(GMT) 268 1515
Latitude: 10° 36.0'N
Longitude: 160° 22.65' E

Standardization:

	Niskin Bottle Number	Niskin Sample Depth	BOD Bottle Number	Titration (ml)
1	1	207	28	0.221
2			29	0.224
3			30	0.220
4				
5	3	451	27	0.128
6			36	0.129
7			35	0.129
8				
9	5	355	34	
10			42	
11			41	
12				
13	7	100	48	0.414
14			47	0.414
15			40	0.405
16				
17				
18				
19				
20				
21				
22				
23				
24				

Oxygen Sample Log
F10-89-CP

CTD Station #: CD14, Station 32 Day & Time(GMT) 269 : 0130 - 0255
Latitude: 10°46.0' N
Longitude: 160° 33.3' E

Standardization:

	Niskin Bottle Number	Niskin Sample Depth	BOD Bottle Number	Titration (ml)
1	1	100	9	0.432
2			10	0.431
3			11	0.430
4				
5	3	420	22	0.132
6			23	0.143
7			24	0.135
8				
9	5	609	37	
10			38	
11			39	
12				
13	7	1962	61	0.228
14			62	0.229
15			63	0.231
16				
17				
18				
19				
20				
21				
22				
23				
24				

Oxygen Sample Log
F10-89-CP

CTD Station #: CTD 15 STATION 38 Day & Time(GMT) 271 - 1159
Latitude: 8° 53.2' N
Longitude: 163° 11.1' E

Pipette #1
Standardization: 1) 0.854 2) 0.852 3) 0.871 4) 0.872
5) 0.822 6) 0.821

	Niskin Bottle Number (RKK)	Niskin Sample Depth	BOD Bottle Number	Titration (ml)	
1	1	101	25	0.492	
2			26	0.468	
3			27		Pickled incorrectly
4					
5	3	355	28	0.082	
6			29	0.082	
7			30	0.077	
8					
9	5	501	34	0.079	
10			35	0.082	
11			36	0.086	
12					
13	7	2162	37	0.236	
14			38	0.238	A
15			39	0.236	
16					
17					
18					
19					
20					
21					
22					
23					
24					

when bottles shaken - no bubbles

Oxygen Sample Log
F10-89-CP

CTD Station #: CTD 16 Station 38 Day & Time(GMT) 271 1953
Latitude: 8° 25.5' N
Longitude: 164° 14.0' E

Standardization:

	Niskin Bottle Number	Niskin Sample Depth	BOD Bottle Number	Titration (ml)	
1	1	101 m	31	0.424	A (wells had dried)
2			32	0.426	A
3			33	0.414	
4					
5	3	452 m	40	0.086	
6			41	0.080	
7			42	0.0799	
8					
9	5	600 m	43		
10			44		
11			45		
12					
13	7	2080 m	46	0.228	A
14			47	0.231	A
15			48	0.229	
16					
17					
18					
19					
20					
21					
22					
23					
24					

Oxygen Sample Log
F10-89-CP

CTD Station #: CTD 17 Station 39 Day & Time(GMT) 272 1345
Latitude: 07° 07.0' N
Longitude: 167° 19.0' E

Standardization:

	Niskin Bottle Number	Niskin Sample Depth	BOD Bottle Number	Titration (ml)
1	1	514	5	
2			6	
3			7	
4				
5	3	2153	8	0.232
6			9	0.234
7			10	0.232
8				
9	7	102	11	0.409
10			12	0.407
11			14	0.416
12				
13	9	313	15	0.095
14			16	0.092
15			17	0.089
16				
17				
18				
19				
20				
21				
22				
23				
24				

Oxygen Sample Log
F10-89-CP

CTD Station #: CTD 18 Station 43 Day & Time(GMT) 274 1443
Latitude: 7° 24.84N
Longitude: 169° 35.91E

Standardization:

	Niskin Bottle Number	Niskin Sample Depth	BOD Bottle Number	Titration (ml)
1	1	100	18	0.432
2			19	0.436
3			21	0.434
4				
5	3	272	22	0.058
6			23	0.046
7			24	0.0539
8				
9	5	509	49	
10			50	
11			51	
12				
13	7	2143	52	0.236
14			53	0.236
15			54	0.234
16				
17				
18				
19				
20				
21				
22				
23				
24				