

CTD Cruise Log NOAA/PMEI

Cruise ID: FOC-8B-0C Chief Scientist: J. GRAY

Chief Scientist: J. GRAY

Vessel: OCEANOGRAPHER

CTD S/N: Main (2) 1114, 1111

Backup () 3158

CTD Personnel: CST Barry, SST Bell, ST Benson, ST Covey

Cast #	AT DEPTH		AT DEPTH		Date (Day-Mon-Yr)	Time at Depth	Corr. Cast Depth	Corr. Water Depth	Wind Speed & Direction	SST	DH ₅₀₀	On Deck Press.	CTD #	# of Samples	Logger (file)	Reader (record #'s)	ELAGAV (file name)	CTD-PLT	CON-TUR	GEO-DYN	CTDCPY (file)	DSKTAP (file)	Comments:
	Latitude (start)	Longitude (start)	Latitude (stop)	Longitude (stop)																			
000	Puget Sound	10-MAR-88	2101	61° 93'								-5.2	1114	—	F1/1	4,146		223					clagov would not run
001	52° 42.9'N	155° 00.3'W	16-MAR-88	0209	512 ⁵⁹	4450	16 KTS E 026	3.5				-6.2	1114	9	F1/2	90°, 500		467					
002	54° 25.3'N	168° 06.6'W	21-MAR-88	0451	124 ⁵²	1273	18 KTS E 020	3.4				-6.3	1114	2	F1/3	50, 1004		22716					
003	53° 37.2'N	167° 58.4'W	21-MAR-88	1340	615 ³¹	675	8 KTS E 290	3.4				-5.1	1114	2	2/1	48, 1060		1896					
004	53° 41.9'N	168° 03.2'W	21-MAR-88	1537	1150 ⁶¹	1137	8 KTS - 050	3.7				-5.1	1114	2	2/2	126, 1152		2038					
005	53° 05.0'N	168° 07.7'W	21-MAR-88	1741	147 ¹⁵	1489	22 KTS - 030	3.7				-5.1	1114	2	2/3	2, 984		1701					
006	53° 55.6'N	168° 15.6'W	21-MAR-88	1956	178 ⁰⁰	1824	17 KTS - 005	3.7				-5.2	1114	2	2/4	80, 1188		2053					
007	54° 01.8'N	168° 21.3'W	21-MAR-88	2155	1509 ²⁰	2024	16 KTS - 000	3.7				-5.0	1114	2	2/5	70, 1244		2192					
008	54° 07.4'N	168° 26.0'W	21-MAR-88	2348	1514 ²⁰	2293	14 KTS - 000	3.5				-5.0	1114	2	3/1	62, 1118		1996					
009	54° 18.2'N	168° 35.2'W	22-MAR-88	0205	1519 ²²	1718	11 KTS - 020	2.95				-5.2	1114	2	3/2	70, 1204		2116					
010	54° 32.2'N	168° 48.4'W	22-MAR-88	0449	1362 ³⁷	1398	12 KTS - 025	3.0				-4.9	1114	2	3/3	108, 1178	122, 1178	2121					
011	54° 48.3'N	168° 25.6'W	22-MAR-88	0738	1511 ¹⁹	2116	16 KTS - 000	3.05				-5.6	1114	2	3/4	110, 1288		2492					
012	54° 32.3'N	168° 10.2'W	22-MAR-88	1032	1509 ²⁰	1585 ¹	12 KTS - 010°	3.4				-5.6	1114	2	3/5	42, 1294		2373					
013	54° 20.8'N	167° 59.3'W	22-MAR-88	1250	949 ¹⁰	1034	20 KTS - 005°	2.9				-5.6	1114	2	3/6	24, 820		1477					
014	54° 11.9'N	167° 52.3'W	22-MAR-88	1518	1446 ¹⁶	1465	16 KTS - 005°	3.5				-5.6	1114	2	4/1	6, 1178		2112					
015	54° 05.1'N	167° 47.2'W	22-MAR-88	1723	1503 ⁰⁵	2019	16 KTS - 015°	3.6				-4.8	1114	2	4/2	8, 846		1541					
016	53° 59.2'N	167° 43.5'W	22-MAR-88	1923	1501 ⁰³	1694	17 KTS - 000°	3.6				-5.5	1114	1	4/3	2, 776		1390					
017	53° 53.1'N	167° 30.8'W	22-MAR-88	2126	1515 ¹⁵	1646	14 KTS - 355°					-5.7	1114	2	4/4	68, 1124		1993					
018	53° 46.1'N	167° 33.4'W	22-MAR-88	2215	1158 ³	1134	18 KTS - 020°	3.5				-4.9	1114	2	4/5	192, 910		1763					
019	53° 40.0'N	167° 27.5'W	23-MAR-88	0030	245 ⁶	242	18 KTS - 020°	3.5				-5.1	1114	2	4/6	66, 310		691					
020	54° 03.1'N	166° 19.6'W	23-MAR-88	0354	582 ⁰¹	555	15 KTS - 330°	3.5				-5.6	1114	2	4/7	156, 736		1314					
021	54° 10.1'N	166° 55.1'W	23-MAR-88	0529	144 ⁴⁰	1451	20 KTS - 000°	3.5				-5.3	1114	2	5/1	124, 1978	136, 978	1819					
022	54° 16.1'N	166° 58.3'W	23-MAR-88	0719	1280 ³⁴	1288	19 KTS - 355°	3.4				-5.7	1114	2	5/2	116, 900	124, 900	1796					
023	54° 23.0'N	167° 02.7'W	23-MAR-88	0901	576 ⁰³	588	18 KTS - 340°	3.3				-1.3	1114	2	5/3	208, 862		1423					
024	54° 31.0'N	167° 08.3'W	23-MAR-88	1036	459 ⁰⁷	479	18 KTS - 340°	3.4				-5.0	1114	2	5/4	22, 404		745					
025	54° 18.2'N	165° 47.7'W	23-MAR-88	1444	62 ⁹⁰	84	15 KTS - 350°	3.1				-5.5	1114	2	5/5	12, 326		612					
026	54° 20.0'N	165° 37.2'W	23-MAR-88	1531	118 ²³	130	15 KTS - 350°	3.1				-5.0	1114	2	5/6	16, 190		367					
027	54° 21.0'N	165° 58.2'W	23-MAR-88	1634	477 ⁸¹	501	14 KTS - 335°	3.1				-5.5	1114	0	5/7	4, 390		708					
028	54° 23.6'N	166° 08.5'W	23-MAR-88	1813	598 ⁰¹	608	20 KTS - 325°	3.1				-5.5	1114	2	5/8	86, 628	96, 628	817	NO EOF (2)	AT = 85695 BLOCKS			
029	54° 26.7'N	166° 19.2'W	23-MAR-88	1934	518 ⁵³	542	17 KTS - 346°	3.0				-5.6	1114	2	5/1	12, 468	1605, 3093	691		Per run from audin			
030	54° 29.2'N	166° 30.7'W	23-MAR-88	2108	463 ⁰¹	489	18 KTS - 345°	2.8				-6.0	1114	1	6/1	674	228, 674		486		Files 6/2, 6/3 see mehenger		
031	54° 31.7'N	166° 19.8'W	23-MAR-88	2307	381 ²⁵	407	16 KTS - 340°	3.2				-6.2	1114	2	6/4	615	2, 388		814				
032	54° 38.6'N	166° 06.6'W	24-MAR-88	0143	314 ⁰⁵	346	18 KTS - 340°	3.3				-5.6	1114	2	6/5	646	44, 390		848				
033	54° 44.3'N	165° 54.9'W	24-MAR-88	0302	205 ²⁴	234	15 KTS - 335°	3.1				-6.4	1114	2	6/1	2, 266		688					

CTD Cruise Log NOAA/PMEL

Cruise ID: FOCI-88-1
OC-88-1 Chief Scientist: J. Gray Vessel: OCEANOGRAPHER

CTD S/N: Main (2) 1114, 1111

Backup () 3158

GMT do m

CTD Personnel: CST Barry, SST Bell, ST Benson, ST Covey

Cast #	@ DEPTH Latitude (starting)	@ DEPTH Longitude (starting)	Date (Day-Mon-Yr)	Time at Depth	Corr. Cast Depth	Corr. Water Depth	Wind Speed & Direction	SST	DH ₅₀₀	On Deck Press.	CTD #	# of Samples	Logger (file)	Reader (record #'s)	ELAGAV (file name)	CTD-PLT	CON-TUR	GEO-DYN	CTDCPY (file)	DSKTP (file)	Comments:
3. 034	54° 19.5'N	165° 44.2'W	24-MAR-88	0419	134 ¹¹⁹	158	22KT-335°	2.5		-5.2	1114	2	7/1	80,448							
3. 035	54° 54.7'N	165° 32.9'W	24-MAR-88	0542	110 ¹¹³	130	22KT-330°	2.6		-5.0	1114	2	7/2	136,470							
0 036	54° 59.5'N	165° 19.8'W	24-MAR-88	0701	83 ⁹³	117	22KT-330°	2.55		-6.4	1114	2	7/3	70,374							
2. 037	55° 06.9'N	165° 01.8'W	24-MAR-88	0827	70 ⁷⁰	94	16KT-305°	2.25		-5.2	1114	2	7/4	98,308	100,308						
038	54° 41.2'N	164° 58.3'W	24-MAR-88	1008	80 ⁸⁹	103	16KT-350°	2.3		-5.2	1114	2	7/5	22,268	26,268						
3. 039	54° 34.1'N	164° 52.5'W	24-MAR-88	1204	60 ⁶³	79	16KT-305°	2.4		-4.8	1114	2	7/6	22,166	24,166						
2. 040	54° 01.2'N	164° 58.3'W	24-MAR-88	1201	50 ⁵³	71	18KT-355°	2.3		-5.4	1114	2	7/7	34,220							
4. 041	54° 50.2'N	164° 44.8'W	24-MAR-88	1253	32 ⁴⁰	61	18KT-355°	2.2		-5.3	1114	2	7/8	18,110							
2. 042	54° 48.1'N	164° 39.9'W	24-MAR-88	1335	30 ³⁷	41	18KT-355°	2.0		-6.5	1114	2	7/9	10,112							
1. 043	55° 21.3'N	166° 17.2'W	24-MAR-88	1944	102 ¹⁰⁸	130	18KT-345°	2.4		-6.5	1114	2	7/10	86,366							
3. 044	55° 14.2'N	166° 23.5'W	24-MAR-88	2056	111 ¹¹⁷	133	16KT-350°	2.5		-5.1	1114	2	7/11	2,300							
3. 045	55° 06.9'N	166° 28.5'W	24-MAR-88	2208	115 ¹²⁰	140	15KT-330°	2.5		-5.0	1114	2	7/12	130,540	130,532						
3. 046	54° 59.5'N	166° 35.1'W	24-MAR-88	2330	121 ¹²³	144	18KT-335°	2.45		-5.1	1114	2	7/13	2,108	2,116						
2. 047	54° 62.1'N	166° 40.5'W	25-MAR-88	0044	165 ¹⁷⁰	188	14KT-340°	2.85		-6.0	1114	2	7/14	96,382							
1. 048	54° 45.2'N	166° 47.0'W	25-MAR-88	0201	288 ²⁹⁵	300	14KT-340°	3.0		-5.8	1114	2	7/15	120,466	128,466						
2. 049	54° 38.9'N	166° 52.2'W	25-MAR-88	0334	406 ⁴¹²	418	12KT-326°	2.9		-5.3	1114	2	7/16	58,484							
2. 050	54° 41.3'N	167° 07.5'W	25-MAR-88	0502	408 ⁴¹⁵	427	14KT-310°	3.1		-5.9	1114	2	8/1	88,472							
2. 051	54° 47.4'N	167° 22.7'W	25-MAR-88	0629	457 ⁴⁸⁷	487	10KT-300°	3.0		-5.6	1114	2	8/2	76,584							
3. 052	54° 55.5'N	167° 37.9'W	25-MAR-88	0757	516 ⁵²⁴	546	10KT-295	2.85		-5.1	1114	2	8/3	70,520							
2. 053	55° 01.5'N	167° 32.6'W	25-MAR-88	0907	297 ³⁰³	315	10KT-290°	2.6		-5.5	1114	2	8/4	60,438	120,438						
2. 054	55° 07.3'N	167° 29.6'W	25-MAR-88	1051	174 ¹⁸⁰	193	08KT-324°	2.4		-5.7	1114	2	8/5	26,328							
2. 055	55° 14.3'N	167° 23.3'W	25-MAR-88	1159	124 ¹³⁰	150	14KT-315°	2.2		-6.0	1114	2	8/6	64,262	100,262						
4. 056	55° 22.0'N	167° 17.3'W	25-MAR-88	1301	120 ¹²⁶	141	06KT-300°	2.1		-5.0	1114	2	8/7	28,264							
4. 057	55° 30.2'N	167° 11.2'W	25-MAR-88	1408	119 ¹²³	135	10KT-305°	1.8		-5.1	1114	2	8/8	16,324							
4. 058	55° 39.1'N	167° 03.3'W	25-MAR-88	1517	116 ¹²³	134	16KT-326°	1.9		-5.0	1114	2	8/9	24,184							
2. 059	55° 39.2'N	167° 42.4'W	25-MAR-88	1831	105 ¹¹²	132	14KT-325°	1.6		-5.5	1114	2	8/10	118,526							
1. 060	55° 49.2'N	167° 46.4'W	25-MAR-88	1955	106 ¹¹³	131	17KT-342°	1.7		-6.0	1114	2	8/11	100,342							
4. 061	55° 39.1'N	167° 51.4'W	25-MAR-88	2124	114 ¹²⁰	131	18KT-320°	1.9		-4.9	1114	2	8/12	76,323	76,318						
3. 062	55° 32.1'N	167° 55.4'W	25-MAR-88	2223	116 ¹²³	135	20KT-320°	2.05		-4.9	1114	2	9/1	86,330							
2. 063	55° 25.0'N	167° 59.3'W	25-MAR-88	2326	171 ¹⁷⁷	190	22KT-320°	2.15		-5.9	1114	2	9/3	72,282							
3. 064	55° 18.3'N	168° 02.7'W	26-MAR-88	0034	562 ⁵⁶⁷	568	19KT-315°	2.45		-5.8	1114	2	9/4	100,620							
3. 065	55° 12.2'N	168° 08.8'W	26-MAR-88	0210	1455 ¹⁴⁷²	1434	22KT-320°	3.0		-4.9	1114	2	9/5	80,110							
2. 066	55° 02.5'N	168° 09.3'W	26-MAR-88	0423	1415 ¹⁴³⁹	1497	18KT-335°	3.0		-5.8	1114	2	9/6	62,1252							
3. 067	54° 49.9'N	168° 16.1'W	26-MAR-88	0652	1514 ¹⁵⁵⁰	2095	16KT-325°	3.0		-5.6	1114	2	9/7	88,1180							

File 9/2 on logger tape is trash
wire angle so bad the fish wouldn't go any lower.

CTD Cruise Log NOAA/PMEL

F0C1-BB-1
Cruise ID: OC-BB-1 Chief Scientist: J. Gray Vessel: OCEANOGRAPHER RIO

CTD S/N: Main (2) 1114, 1111

Backup () 3158

GMT db m

CTD Personnel: CDT Barry, SST Bell, ST Benson, ST Covey

Cast #	@ Depth Latitude (starting)	@ Depth Longitude (starting)	Date (Day-Mon-Yr)	Time at Depth	Corr. Cast Depth	Corr. Water Depth	Wind Speed & Direction	SST	DH ₅₀₀	On Deck Press.	CTD #	# of Samples	Logger (file)	Reader (record #'s) (file name)	CTD-PLT	CON-TUR	GEO-DYN	CTDCPY (file)	DSKTAP (file)	Comments:
3	068	55° 00.6' N	168° 35.8' W	26-MAR-88	0945	1514	1890	340° @ 18 KT	2.8	-4.8	1114	2	9/8	66, 1130	10R, 1130					
2	069	55° 10.3' N	168° 50.1' W	26-MAR-88	1215	1461	1949	010° @ 18 KT	2.5	-5.4	1114	2	9/9	186, 1348					drifted up from 1505 db	
4	070	55° 17.9' N	169° 04.2' W	26-MAR-88	1433	1505	2272	000° @ 18 KT	2.4	-4.9	1114	2	10/1	38, 1138						
5	071	55° 25.7' N	169° 17.1' W	26-MAR-88	1642	1514	2320	000° @ 18 KT	2.2	-4.4	1114	2	10/2	30, 1058						
4	072	55° 31.4' N	169° 05.2' W	26-MAR-88	1904	1501	1711	016° @ 17 KT	2.4	-5.6	1114	2	10/3	34, 1036						
4	073	55° 39.9' N	168° 53.5' W	26-MAR-88	2046	659	691	046° @ 10 KT	2.2	-4.8	1114	2	10/4	68, 610					prudent w/depth due to bad pinger	
2	074	55° 43.1' N	168° 47.5' W	26-MAR-88	2153	1717	189	080° @ 14 KT	1.85	-5.6	1114	2	10/5	122, 350						
2	075	55° 49.2' N	168° 40.4' W	26-MAR-88	2303	121	142	080° @ 10 KT	1.8	-4.9	1114	2	10/6	142, 346						
4	076	55° 55.0' N	168° 29.6' W	27-MAR-88	0004	128	148	080° @ 12 KT	2.0	-4.9	1114	2	10/7	76, 268						
4	077	56° 00.3' N	168° 19.7' W	27-MAR-88	0055	145	161	075° @ 18 KT	2.25	-4.9	1114	2	10/8	56, 210						
4	078	56° 09.2' N	168° 06.4' W	27-MAR-88	0209	130	144	075° @ 10 KT	1.5	-4.9	1114	2	10/9	144, 302						
4	079	56° 15.1' N	167° 56.9' W	27-MAR-88	0328	116	135	075° @ 12 KT	1.25	-4.8	1114	2	10/10	61, 246						
1	080	56° 30.2' N	168° 27.7' W	27-MAR-88	0505	92	111	070° @ 18 KT	1.2	-4.3	1114	2	11/1	20, 164						
3	081	56° 21.9' N	168° 36.7' W	27-MAR-88	0744	106	126	070° @ 10 KT	1.15	-4.8	1114	1	11/2	80, 354					no bottom bottle but pinger did get thermal bottom bottle tangled hung on rosette	
3	082	56° 16.0' N	168° 43.9' W	27-MAR-88	0849	133	154	070° @ 20 KT	1.2	-4.9	1114	2	11/3	122, 328	128, 328					
4	083	56° 08.0' N	168° 30.6' W	27-MAR-88	1041	388	411	065° @ 22 KT	1.2	-4.8	1114	2	15/1	2	NO R/D				problem with "Header". Could not run program "READER" return from audio	
5	084	56° 43.6' N	168° 56.5' W	27-MAR-88	1128	1920	1034	060° @ 24 KT	2.6	-4.8	1114	2	12/1	14, 784						
7	085	55° 54.8' N	169° 06.1' W	27-MAR-88	1337	1514	1854	075° @ 25 KT	2.6	-4.8	1114	2	13/2	30, 1066						
4	086	55° 43.8' N	169° 18.9' W	27-MAR-88	1623	1483	2502	070° @ 24 KT	2.2	-4.9	1114	2	12/3	34, 1186						
4	087	55° 32.1' N	169° 31.8' W	27-MAR-88	2025	1548	1982	065° @ 28 KT	2.4	-4.9	1114	2	13/4	26, 1058					Added 400# of wt. to CTD rosette	
4	088	55° 34.4' N	169° 42.5' W	27-MAR-88	2217	1522	2727	055° @ 26 KT	2.3	-4.9	1114	2	12/5	84, 1112						
2	089	55° 40.6' N	169° 59.3' W	28-MAR-88	0014	1518	2814	060° @ 20 KT	2.45	-5.7	1114	2	12/6	84, 1108						
3	090	55° 45.5' N	169° 36.5' W	28-MAR-88	0244	1509	2372	050° @ 20 KT	2.4	-4.8	1114	2	13/1	64, 1092						
4	091	55° 54.1' N	169° 30.7' W	28-MAR-88	0458	1557	1870	065° @ 18 KT	2.0	-4.9	1114	2	13/2	182, 1107	1310, 2535	3) continued in F0C-BB-0.DAT (NO F0C-BB-1.DAT)				
2	092	55° 58.3' N	169° 50.5' W	28-MAR-88	0642	1530	1502	075° @ 20 KT	2.15	-5.6	1114	2	13/3	84, 1130						
3	093	56° 01.9' N	169° 28.7' W	28-MAR-88	0805	399	413	070° @ 22 KT	2.2	-5.7	1114	2	13/4	122, 1194						
3	094	56° 02.1' N	169° 24.8' W	28-MAR-88	0925	635	646	070° @ 16 KT	2.2	-4.8	1114	2	13/5	86, 624						
4	095	56° 13.3' N	169° 22.8' W	28-MAR-88	1032	1556	159	065° @ 18 KT	2.5	-4.8	1114	2	13/6	28, 1116						
3	096	56° 21.1' N	169° 18.1' W	28-MAR-88	1144	186	131	070° @ 18 KT	1.4	-5.4	1114	2	13/7	2, 264						
4	097	56° 27.2' N	169° 14.7' W	28-MAR-88	1236	86	102	070° @ 18 KT	1.2	-5.5	1114	2	13/8	32, 182						
3	098	56° 22.9' N	169° 47.9' W	28-MAR-88	1439	86	143	070° @ 15 KT	1.5	-5.6	1114	2	14/1	60, 216	64, 210					
2	099	56° 17.6' N	169° 52.5' W	28-MAR-88	1532	96	114	060° @ 22 KT	1.8	-5.7	1114	2	14/2	40, 184						
4	100	56° 07.8' N	169° 58.7' W	28-MAR-88	1654	144	122	080° @ 22 KT	1.9	-4.8	1114	2	14/3	108, 318						
3	101	56° 28.5' N	170° 11.7' W	28-MAR-88	2357	97	107	070° @ 36 KT	1.5	-5.7	1114	2	14/5	106, 342					file 14/4 is full of garbage	

CTD Cruise Log NOAA/PMEI

Cruise ID: F04-88-1

Cruise ID: FOD-88-1
 C-88-1

Chief Scientist: J. Gray

Vessel: OCEANOGRAPHER R101

CTD S/N: Main (2) 114, 111

Backup () 3158

CTD Personnel: CST Barry, SST Bell, ST Benson, ST Covey

Vessel OCEANOGRAPHER	Project FOC-88-OC	CTD S/N 1114	Station Location Puget Sound	Observers S.C./C.B.	Audio Tape # E1/1	Comp. Tape/File E1/1	Cast Depth 61 dB	deck unit # 2	Cast # PIN 17642
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	GMT	Dry C	Wet C											
		00	.	.	.	10	MAR	88	21 01	93	SET			
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit) Trip	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal. Btl. #	Oxy. Btl. #									
1			60m	21:01	61.0 8.325 31.967	Ø Ø — —										—	—	
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

TEST

On Deck Pressure: **-5.2**
SST (Analog): _____

Audio:
Start **0000**
Finish **0069**

Surface Deck Unit Values:
P **-3.3**
T **8.331**
C **31.253**
OXC **0.006**
OXT **0.006**

Time (GMT):
On **20:57**
Start Down **20:58**
At Bottom **21:01**
Off **21:02**

Position:
On Deck (start) _____

At Depth _____

On Deck (finish) _____

Sonic Depth: _____
Corr. Depth: _____
Garter's Area: _____

Vessel	Oceanographer R-101	Project	CTD S/N	Station Location BPR#7	Observers	Audio Tape #	Comp. Tape File	Cast Depth	deck unit #1 S/N 15824	Cast #
		FOC-88-OC	1114	52° 44.0'N x 155° 00.2'W	965, cjb	1/2	1/2	512.4 db		001

CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Ant.	Weather	Bottom Depth (m)
		Day	Month	Year	Day			Dry C	Wet C									
		001	52	42.9 N	155	00.3 W	16	MAR	88 0209	03.9 03.5	984	7025	1676	1445	0			
Pos.	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal.	Oxy.									
1	22	500	0209 0210	512.4	3.413	31.626		—	—						—	—		
2	1		0209 0211	512.3	3.406	31.620												
3	19		0209 0212	514.4	3.393	31.618												
4	21		0209 0213	513.3	3.394	31.618												
5	9		0209 0214	514.8	3.375	31.618												
6	18		0209 0214	514.6	3.402	31.618												
7	4		0209 0215	513.5	3.402	31.618												
8	0		0209 0216	512.9	3.404	31.620												
9	8		0209 0216	514.7	3.406	31.620												
10	2		0209 0217	513.7	3.404	31.619												
11	1	↓	0209 0218	515.2	3.403	31.620												
12	pinger bracket																	
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

On Deck Pressure: 6.2
SST (Analog): 3.5

Audio: down
Start 0084
Finish 0222

Surface Deck Unit Values:
P 1.9
T 3.504
C 30.345
OXC —
OXT —

Time (GMT):
On 0153
Start Down 0155
At Bottom 0209
Off —

Position:
On Deck (start) —

At Depth
52° 42.9'N
155° 00.3'W

On Deck (finish) —

Sonic Depth: 4465
Corr. Depth: 4450
Garter's Area: 48
Matthew's

Vessel	OCEANOGRAPHER	Project	FOCI-88-OC	CTD S/N	1114	Station Location	$54^{\circ} 24.4' N$ 168° 07.1' W	Observers	JRB + CJB	Audio Tape #	113	Comp. Tape File	113	Cast Depth	1249 db	deck unit #	NB1	Cast #	002
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	GMT			Dry C	Wet C									
		00254	25.3 N	168° 06.6' W	21 MAR	188	0426	1.6	1.09956020	185	B2	1273						
Pos.	Niskin Bottle	Nom. Press.	Time	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal.	Oxy.									
1	1	B-10	0452	✓	1249.4 2.524 31.329									2				
2	2		0453	✓	1252.2 2.513 31.330													
3	3			✓														
4	4			✓														
5	5	6	1250	0457	✓ 1248.8 2.544 31.342									3				
6	6			✓														
7	7			✓														
8	8			✓														
9	9			✓														
10	10			✓														
11	11			✓														
12	PINGER																	
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
Comments:																		
195m — began audio again — stopped sometime ??																		
Sonic Depth: —																		
Corr. Depth: 1273																		
Carter's Area: #48																		
Matthew's																		

Vessel <i>OCEANOGRAPHER</i>	Project <i>FOCI-88-OC</i>	CTD S/N 1114	Station Location <i>Line 1, st. 1</i>	Observers <i>JRB - CJB</i>	Audio Tape # 1/4	Comp. Tape File 21	Cast Depth 645 db	deck unit # NB1	Cast # #03
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD 081	Time at Depth Day Month Year GMT	Air Temp. Dry C Wet C		Pressure 755.0 (mbs)	Sea State 3	Visibility 6	Wind Direction (T) 290	Wind Speed (kts) 08	Cloud Type 7	Cloud Amt. 9	Weather 7	Bottom Depth (m) 70				
		D	M	S	E			N	S													
		003	53	37.2	N	167	58.4	W														
Pos.	Niskin Bottle	Nom. Press.	Time Depth	R Trip	P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	Θ _c	Sal.	Oxy.	Btl. #	Btl. #
1	51A	B-20	1345	SD	AK ✓	644.9	3.410	31.552	—	—	581	3.93	34.061	/						4		
2	6	SFC	1109	✓	- 2.0	3.627	30.013						32.350	/						5		
3	7	—	—	—																		
4	8	—	—	—																		
5	9	—	—	—																		
6	10	—	—	—																		
7	11	—	—	—																		
8	PINGER	—	—																			
9	1	—	—	—																		
10	2	—	—	—																		
11	3	—	—	—																		
12	4	—	—	—																		
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Comments: 1332 GWT @ 453 db (depth) stopped wrench so ET Tim Lyda could adjust wrench settings.

On Deck Pressure: -5.1
SST (Analog): 3.42

Audio: down
Start # 434
Finish # 472

Surface Deck Unit Values:
P - 1.1
T 3.763
C 30.155
OXC —
OXT —

Time (GMT):
On 1312
Start Down 1316
At Bottom 1340
Off 1411

Position:
On Deck (start)

At Depth
53° 37.2 N
167° 58.4 W

On Deck (finish)

Sonic Depth: 683
Corr. Depth: 668 / 675 @ bottom
Caster's Area: #48
Matthew's

Vessel OCEANOGRAPHER	Project FOCI-88-OC	CTD S/N 1114	Station Location Line 1, Stz. 2	Observers JMM - JRB	Audio Tape # 15	Comp. Tape File 2/2	Cast Depth 1150 db	deck unit # NB1	Cast # 004
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	GMT	Dry C	Wet C											
004	53	41	9N	168°03.2'W	21 MAR	88	1537	1.8	1.0	9835	050	0868	7	1137				
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit) Trip	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal. Btl. #	Oxy. Btl. #									
1	5A	13-20	1542	/	1150.2 2.576 31.312	1137 2.58 34.395								6				
2	6	SFC	1612	/	- 0.7 3.791 30.138	32.336								7				
3	7	-	-	-														
4	8	-	-	-														
5	9	-	-	-														
6	10	-	-	-														
7	11	-	-	-														
8	PINGER	-	-	-														
9	-	-	-	-														
10	2	-	-	-														
11	3	-	-	-														
12	4	-	-	-														
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

CONDUCTIVITY SPIKE ON XPP. ≈ 450 m

On Deck Pressure: - 5.1
SST (Analog): 3.7

Audio: down
Start 0728
Finish 1045

Surface Deck Unit Values:
P - 1.4
T 3.775
C 30.117
OXC —
OXT —

Time (GMT):
On 1505
Start Down 1510
At Bottom 1537
Off 1613

Position:
On Deck (start) —

At Depth 53° 41.9' N
168° 03.2' W

On Deck (finish) —

Sonic Depth: 1161
Corr. Depth: 1139, 1128, 1137
Carter's Area: #48
MATTHEWS

Vessel OCEANOGRAPHER	Project FOCI-SE-OC	CTD S/N 1114	Station Location Line 1, Stz 3	Observers DWM-SRB	Audio Tape # 1/6	Comp. Tape File 2/3	Cast Depth 1478 db	Deck Unit NB1	Cast # #95
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast # #95	Latitude		Longitude		Date JD 081	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	Day	Month	Year	GMT	Dry C									
			05	ON	168	07.9W	21	MAR	88	174	101.000	49947	030228	771489				
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal. Btl. #	Oxy. Btl. #									
1	7	1A	B-30	1744	1746	1477.7 2.191 31.202	— —	1486	2.18	34.505					8			
2	8	"	"	1746	1478.0	2.186 31.200	— —											
3	9	"	-	-	✓		— —											
4	10	"	-	-	✓		— —											
5	11	"	-	-	✓		— —											
6	PINGER	"	-	-	✓	— —	— —											
7	1	"	-	-	✓		— —											
8	2	"	-	-	✓		— —											
9	3	"	-	-	✓		— —											
10	4	"	-	-	✓		— —											
11	5	"	-	-	✓		— —											
12	6	"	-	-	1819	1.6 3.751 30.148	— —	32.388						9				
13	"	"	-	-														
14	8	"	-	-														
15	"	"	-	-														
16	"	"	-	-														
17	"	"	-	-														
18	"	"	-	-														
19	"	"	-	-														
20	"	"	-	-														
21	"	"	-	-														
22	"	"	-	-														
23	"	"	-	-														
24	"	"	-	-														
Comments:	SEVERE WIRE ANGLE. CTD IN CANYON. TOOK CTD TO BOTTOM THEN BROUGHT UP TO B-30 TO TRIP 2 BOTTLES.																	Sonic Depth: 1515
																		Corr. Depth: 1489
																		Carter's Area: #49
																		Matthew's

Vessel OCEANOGRAPHER	Project FOC 02-88-01	CTD S/N 1114	Station Location LINE 1, STA 4	Observers JMM - JR B	Audio Tape # 1/7	Comp. Tape File 2/4	Cast Depth 1789 db	DECK UNIT NB1	Cast # 006
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	Day	Month	Year	GMT	Dry C									
		00653	55.6	N	168	15	CW	21	MAR	88	1956	0.3	0.099	36	005	1787	11824	
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Time Trip	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations		Sal.	Oxy.							
1	7	10	B-45	1956	2001	17889	1.957	31.175	—	1241	1.96	34.564				10		
2	8	Surf.	2032	2032	0.9	3.883	30.432	—	—	32.591						11		
3																		
4	Pintier																	
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: CTD LOGGER recorded to bottom - 11

* UP READ LOW

On Deck Pressure: -5.2
SST (Analog): 3.7°C

Audio:
Start 1468
Finish 1953

Surface Deck Unit Values:
P - 2.1
T 3.891
C 30.435
OXC —
OXT —

Time (GMT):
On 19 18
Start Down 19 23
At Bottom 19 56
Off 20 02

Position:
On Deck (start) —

At Depth
53° 55.6' N
168° 15.0' W

On Deck (finish) —

Sonic Depth: 1854
Corr. Depth: 1824
Carter's Area: 48
Matthew's

Vessel OCEANOGRAPHER	Project FOC OC-88-01	CTD S/N 1114	Station Location Line 1, Sta # 5	Observers SB & JG	Audio Tape # 18	Comp. Tape File 2/5	Cast Depth 1509 db	DECK UNIT NB 1	Cast # 607
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)	
		Day	Month	Year	Day	Month	Year	GMT	Dry C										
		007	54	01.8N	168	21	3W	21	MAR	88	2155	00.0	0-0.3	000	36	000	16	7872024	
Pos.	Niskin Bottle	Nom. Press.	Time	Avg'd Raw (deck unit) CTD Values				Water Sample Data				CTD w/ Prelim. Calibrations				Sal. Btl. #	Oxy. Btl. #		
			Depth	Trip	P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	θ _c	
1	5 ^(E)	1500	2155	2200	1508.6	2.176	31.208	-	-	1489	2.19	34.511							12
2	6	SRF	2233	2233	0.7	3.704	30.387					32.719							13
3																			
4																			
5																			
6																			
7																			
8																			
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16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

LINE #1 STATION #

On Deck Pressure: -5.0
SST (Analog): 3.65°

Audio:
Start 1968
Finish 2449

Surface Deck Unit Values:
P - 1.6
T 3.690
C 30.372
OXC
OXT -

Time (GMT):
On 2120
Start Down 2123
At Bottom 2155
Off audio tape off 2156

Position:
On Deck (start)

At Depth
54° 01.8'N
168° 21.3'W
On Deck (finish)

—

Sonic Depth:
Corr. Depth: 2024 m
Carter's Area: 48
Matthews

Vessel OCEANOGRAPHER	Project Foss OC-88-1	CTD S/N 111	Station Location Line 1, Sta #6	Observers SB & JF	Audio Tape # 2/1	Comp. Tape File 3/1	Cast Depth 1514 db	Deck Unit NBI	Cast # 008
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD 081	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	Day			Month	Year									
			60854	07.4	N	168	26.0	W	21	MAR	88	2348	-0.6	-0.8	0127	000	1468	22293
Pos.	Niskin Bottle	Nom. Press.	Time	Avg'd Raw (deck unit) CTD Values			Water Sample Data			CTD w/ Prelim. Calibrations			Sal.	Oxy.				
1	5	1500	2348	2353	1513.7	2.238	31.252			1493	2.24	34.497			14			
2	6	SRF	0020	0021	1.4	3.497	30.137					32.630			15			
3																		
4																		
5																		
6																		
7																		
8																		
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21																		
22																		
23																		
24																		
Comments:										Sonic Depth: _____								
										Corr. Depth: 2293								
										Carter's Area: 48								
										Matthew's area								

Vessel OCEANOGRAPHER	Project FOCI OC-88-1	CTD S/N 1114	Station Location Line 1, sta # 7	Observers JBSB & JG	Audio Tape # 2/2	Comp. Tape File 3/2	Cast Depth 1519 db	Deck Unit NBL	Cast # 009
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast		Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)	
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Time Trip	P	T	C	OXC	OXT	D ₀	T ₀	S ₀	O ₂	P _c	T _c	S _c	O _c	Θ _c	Btl. #	Oxy. Btl. #
1	5	1500	0205	0210	1519.0	2.212	31.236			1502	2.23	34.503							16	
2	6	1500	0205	0211	1520.6	2.212	31.237					34.503							17	
3																				
4																				
5																				
6																				
7																				
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20																				
21																				
22																				
23																				
24																				
Comments:																				Sonic Depth: 1785
																				Corr. Depth: 1756, 1741, 1721, 1741
																				Carter's Area: 48
																				Matthews

52 67
 57 71
 57 75
 11 80
 16 82
 28 85
 34 30
 09 33
 15 18
 23 23

On Deck Pressure: -5.2
SST (Analog): 2.95

Audio:
Start 0369
Finish 0760

Surface Deck Unit Values:
P -1.2
T 2.940
C 29.880
OXC _____
OXT _____

Time (GMT): audio on 0134 → 0212
On 0131
Start Down 0135
At Bottom 0205
Off 0206
On Deck ~0240

Position:
On Deck (start)

At Depth
54° 18.2' N
168° 35.2' W

On Deck (finish)

1785
1756, 1741, 1721, 1741
48
Matthews

Vessel	Project	POCI	CTD S/N	Station Location	Observers	Audio Tape #	Comp. Tape File	Cast Depth	Deck Unit	Cast #
OCEANOGRAPHER	OC-88-1	1114	LINe #1, sta #8	JB & JG JTB & JH	2/3	3/3	1362	N.B.1	010	21 64 27 68 28

CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	Day	Month	Year	Dry C	Wet C									
		01	054	32.2	N	168	48.4	W	Z2	MAR	88	0449	-1.5	-1.5	0137025	1287	11398	

Pos. #	Niskin Bottle	Nom. Press.	Time	Avg'd Raw (deck unit) CTD Values				Water Sample Data			CTD w/ Prelim. Calibrations					Sal.	Oxy.					
				Depth	Trip	P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	Θ _c	Btl. #	Btl. #	
1	7	E	1380	0449	0454	1362.1	2.355	31.264	—	—	1346	2.36	34.464						18			
2	8	sfc	0520	0520	2.0	3.139	29.825	—	—				32.614						19			
3																						
4																						
5																						
6																						
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Comments:

started audio tape @ about 100 m

On Deck Pressure: -4.9
SST (Analog): 3.0

Audio:
Start 0775
Finish 1062

Surface Deck Unit Values:
P 0.4
T 3.090
C 29.812
OXC 95
OXT 81

Time (GMT): 0423 audio-tape turned on
On 0416
Start Down 0420
At Bottom 0449 (audio off)
Off 0455
@ sfc. 0520

Position:
On Deck (start)

At Depth

54° 32.2'N
168° 48.4'W

On Deck (finish)

Sonic Depth: 1409 1423
Corr. Depth: 1384 1398
Carter's Area: 48
Matthew's

Vessel OCEANOGRAPHER	Project FOCI OC-88-1	CTD S/N 1114	Station Location Line #2, Sta #9	Observers OC & JG & CJB	Audio Tape # 214	Comp. Tape File 314	Cast Depth 1511 db	Deck Unit NBL	Cast # 011
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD 082	Time at Depth Day Month Year GMT	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Dry C	Wet C	01 154	48.3N 168° 25.6W			22 MAR 880738	-1.2									
		Pos. #	Niskin Bottle	Time Depth	Avg'd Raw (deck unit) Trip	CTD Values P T C	Water Sample Data OXC OXT D _o T _o S _o O ₂	CTD w/ Prelim. Calibrations P _c T _c S _c O _c Θ _c	Sal. Btl. #									
1	9 ^{LA}	1500	0738 0744	1511.4 2163 31.200	— — 1488 2.17 34.515			20	—									
2	10	50	0811 0811	02.1 3.123 29.740	— — 32.531			21	—									
3																		
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22																		
23																		
24																		
Comments:										Sonic Depth: 2123, 2140								
										Corr. Depth: 2116								
										Carter's Area: 48								
										Matthews								

On Deck Pressure: 5.6
SST (Analog): 3.05

Audio:
Start 1077
Finish 1466

Surface Deck Unit Values:
P -2.0
T 3.16
C 29.788
OXC —
OXT —

Time (GMT):
On 0702
Start Down 0710
At Bottom 0738
Off 0749 also
on deck 0814

Position:
On Deck (start) —
At Depth 54° 48.3' N
168° 25.6' W
On Deck (finish) —

Sonic Depth: 2123, 2140
Corr. Depth: 2116
Carter's Area: 48
Matthews

Vessel OCEANOGRAPHER	Project FOCII OC-88-1	CTD S/N 1114	Station Location Line #2, Sta. #10	Observers Jmm	Audio Tape # 2/5	Comp. Tape File 3/6	Cast Depth 1509	Deck Unit NB 1	Cast # 012
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD 082	Time at Depth Day Month Year GMT	Air Temp.		Pressure 1002.5 (mbs)	Sea State	Visibility	Wind Direction (°) 010	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)									
		D	M	S	W			D	M										Y	C	Wet C						
		0	1	2	3	4	32.	3	N	1	6	8	1	0	3	2	7	0	1	2	7	8	7	1	5	8	5
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Time Trip	Avg'd Raw (deck unit)	CTD Values	Water Sample Data		CTD w/ Prelim. Calibrations						Sal. Btl. #	Oxy. Btl. #											
1	5	1500	1032	1037	1509.3	2.158 31.186	—	—	1492	2.17	34.514									22	—						
2	6	SFC	1107	1107	1.7	3.436 30.034	—	—			32.577									23	—						
3																											
4																											
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Comments:																				Sonic Depth: 1613							
																				Corr. Depth: 1585							
																				Carter's Area: 48							
																				Matthew's							

Vessel OCEANOSTRAPHER	Project FOCI OC-88-1	CTD S/N 1114	Station Location Line #2 Sta # 11	Observers JMM	Audio Tape # 2/6 (SIDE TWO)	Comp. Tape File 3/6	Cast Depth 949 db.	DECK UNIT NB1	Cast # #13
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD 482	Time at Depth GMT	Air Temp. Below Freezing		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)		
		Day	Month	Year				Dry C	Wet C											
		91	35	41	20	8N	167	59	3W	22	MAR	88	1250	-2.2	-	φ	337	φφ52φ7821034		
Pos. #	Niskin Bottle	Nom. Press.	B-20 Time Depth	Time Trip	Avg'd Raw (deck unit) P	T	C	OXC	OXT	Water Sample Data D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	θ _c	Sal. Btl. #	Oxy. Btl. #
1	5	E	1000	1250	1255	948.7	2.940	31.458	-	941	2.96	34.304							24	
2	6	SFC	1319	1319	1.1	2.966	29.891	-	-			32.770							25	
3																				
4																				
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Comments: Initial db upon stopping winch was 1010 db. After 5 minute soak reading was 948.7 db.
No wet bulb recorded. Temperature below freezing.

On Deck Pressure: -5.6
SST (Analog): 2.9

Audio:
Start φφφ
Finish φ229

Surface Deck Unit Values:
P -2.4
T 3.001
C 29.791
OXC —
OXT —

Time (GMT):
On 1224
Start Down 1226
At Bottom 1250
Off 1324

Position:
On Deck (start) —

At Depth
51° 26.8' N
167° 59.3' W

On Deck (finish) —

Sonic Depth: 1054
Corr. Depth: 1034
Garter's Area: 48
MATTHEWS

Vessel OCEANOSGRAPHER	Project FOCI OC-88-1	CTD S/N 1114	Station Location LINE 2, STA 12	Observers JMM	Audio Tape # 2/7 (SIDE TWO)	Comp. Tape File 4/1	Cast Depth 1446 db	Deck Unit NB1	Cast # d14
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	GMT	Dry C	Wet C											
		01454	11.9	N	167.52.3	W	MAR	88	1518	2.8	-	-	03	36	φφ5	16x8	711465	
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal. Btl. #	Oxy. Btl. #									
1	6	1500	1518	1523	1446.0 2.247 31.227	— —	1428 2.26 34.493							26				
2	7	5rf	1557	1558	1.9 3.578 30.034	— —	32.426							27				
3																		
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Comments: Decibel reading at bottom = 1493 db
Decibel reading at Trigger = 1446 db

Temperature below freezing - no wet bulb
No cloud type.

Sonic Depth: 1575
Corr. Depth: 1548, 1509, 1465
Carter's Area: 18
Matthew's

On Deck Pressure: 5.6
SST (Analog): 3.5

Audio:
Start 6250
Finish 6616

Surface Deck Unit Values:
P -2.2
T 3.629
C 30.080
OXC —
OXT —

Time (GMT):
On 1441
Start Down 1442
At Bottom 1518
Off 1558

Position:
On Deck (start)

At Depth
54° 11.9' N
167° 52.3' W

On Deck (finish)

Vessel OCEANOGRAPHER	Project FOCI OC-88-1	CTD S/N 1114	Station Location LINE 2, STA 13	Observers DMM → S.C.	Audio Tape # 2/8 (SIDE TWO)	Comp. Tape File 4/2	Cast Depth 1503 db	DECK ONT NB1	Cast # 015
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD 082	Time at Depth Day Month Year GMT	Air Temp. Dry C Wet C		Pressure (mbs) 33.60	Sea State 3	Visibility 015	Wind Direction (°) 167	Wind Speed (kts) 78	Cloud Type Cloud Amt. 7	Weather 72019	Bottom Depth (m)
		D	M	S	E			22	MAR								
1	7 LA	1500	1722	1722	1502.7	2.211	31.226	—	—	1482	2.20	34.502				28	
2	8	sfc	-1.9	1749	-1.9	3.673	30.690	—	—			32.399				29	
3																	
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24																	

Comments: spikes on cast (on XYY plot), wet bulb freezing no data

On Deck Pressure: -4.8
SST (Analog): 3.6

Audio:
Start 0632
Finish 0993

Surface Deck Unit Values:
P -1.8
T 3.675
C 30.687
OXC —
OXT —

Time (GMT):
On 1657
Start Down 1658
At Bottom 1722
Off 1750

Position:
On Deck (start) —

At Depth
λ 54° 05.1 N
φ 167° 47.2 W
On Deck (finish) —

Sonic Depth: 2050
Corr. Depth: 2019
Carter's Area: 48
Matthew's

Vessel	Project FOCZ	CTD S/N	Station Location	Observers	Audio Tape #	Comp. Tape File	Cast Depth	DECK UNIT	Cast #
OCEANOGRAPHER	OC-88-1	1114	Line 2, Station 14	S.C.	219 (s.demos)	413	1501	db	NB1

CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	GMT	Dry C	Wet C											
		016	53	59.2	N 167° 13.5' W	22 MAR	281927	2.5	-	1003.5				0438	0001	786	11694	
Pos.	Niskin #	Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit) Trip	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal.	Oxy.								
1	9	1460	1927	1932	1501.2	2.154 31.127	- -											
2	10	Surf	2003	2001	(0.7)	3.684 30.080	- -	34.515							30			
3																		
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Comments: Bottle #9 failed to release so no salinity or therm values were recorded

On Deck Pressure: -5.5
SST (Analog): 3.6

Audio:
Start 1008
Finish 1321

Surface Deck Unit Values:
P 2.2
T 3.698
C 30.076
OXC —
OXT —

Time (GMT):
On 1802
Start Down 1902
At Bottom 1927
Off 2004

Position:
On Deck (start) —
At Depth —

On Deck (finish) —
At Depth —

Sonic Depth: 1722
Corr. Depth: 1676, 1694
Garter's Area: 48
Matthew's

Vessel OCEANOGRAPHER	Project FOCI OC-88-1	CTD S/N 1114	Station Location LINE 2, STA 15	Observers SB & JG	Audio Tape # 2/10 (SIDE two)	Comp. Tape File 4/4	Cast Depth 1513 db	Deck Unit NB1	Cast # #17
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast # #17	Latitude		Longitude		Date JD 082	Time at Depth Day Month Year 21 03 88	Air Temp.		Pressure (mbs) 04	Sea State 25	Visibility 355	Wind Direction (T°) 14	Wind Speed (kts) X9	Cloud Type Cloud Amt. 1	Weather 7	Bottom Depth (m) 1646	
		Cast # #17	Latitude 53.531 N	Longitude 167.385 W	Month MAR			Year 88	Dry C 21									Wet C 26
		Day	Month	Year	GMT													
1	5 E	1500	2126	2131	1512.9	2.199	31.224	—	—	1495	2.22	34.504				31		
2	6	sfc	2159	2200	-2.2	34.88	21.890	—	—			32.346				32		
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24																		
Comments:										Sonic Depth:	1622, 1646							
										Corr. Depth:	1622, 1646							
										Carter's Area:	48							
										Matthew's								

Vessel <i>OCEANOGRAPHER</i>	Project FOCI OC-88-1	CTD S/N 1114	Station Location LINE 2, STATION 16	Observers SB, SC & JG	Audio Tape # 2/11 (SIDE TWO)	Comp. Tape File 4/5	Cast Depth 1159 db	DECK UNIT NB 1	Cast # #18								
CTD Cast Information Field Log																	
Every space in this field to be filled at time of cast	Cast # 018	Latitude		Longitude		Date JD 082 Day Month Year 22 15 88	Time at Depth GMT 2215	Air Temp.		Pressure (mbs) 0.427	Sea State 020	Visibility 7	Wind Direction (°) 187	Wind Speed (kts) 7	Cloud Type Cloud Amt. 7	Weather 72	Bottom Depth (m) 1134
		D	M	W	S			Dry C -3.0	Wet C .								
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal.	Oxy.								
1	5A	B-20	2215	2220	1158.8	2591	31.326	—	—	1191	2.59	34.394	—	33			
2	6	sfc.	2236	2236	-2.2	3.607	29.931	—	—			32.274		34			
3																	
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23																	
24																	
Comments: wet bulb temp below freezing ∴ no data										Sonic Depth 1155							
										Corr. Depth 1134							
										Carter's Area: Mathew's							

Vessel OCEANOGRAPHER	Project FOCI OC-88-1	CTD S/N 1114	Station Location LINE 2, STATION 17	Observers SB & JG	Audio Tape # 1/9 (SIDE TWO)	Comp. Tape File 4/6	Cast Depth 245 db	DECK UNIT NB 1	Cast # #19
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast # #19	Latitude		Longitude		Date JD 083	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)		
		Day	Month	Year	GMT	Dry C	Wet C													
		53	40.0	N	167	27.5	W	23	MAR										88	0030
Pos.	Niskin Bottle	Nom. Press.	Time	Avg'd Raw (deck unit) CTD Values				Water Sample Data				CTD w/ Prelim. Calibrations				Sal.	Oxy.			
#				P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	θ _c	Btl. #	Btl. #	
1	5/C	3-20	0030	60.85	223.3	3.900	30.919	—	—	226	3.89	33.039						35		
2	6	SRF	0040	0041	-2.8	3.606	29.854	—	—			32.185						36		
3																				
4																				
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24																				
Comments:										Sonic Depth: —										
										Corr. Depth: 242										
										Carter's Area: #48										
										MATTHEWS										

On Deck Pressure: ~5.1
SST (Analog): 3.5

Audio:
Start 0000
Finish 0054

Surface Deck Unit Values:
P 70
T 3.602
C 29.854
OXC —
OXT —

Time (GMT):
On 0020
Start Down 0023
At Bottom 0030
Off 0030

Position:
On Deck (start) —

At Depth
53° 40.0' N
167° 27.5' W

On Deck (finish) —

Sonic Depth: —
Corr. Depth: 242
Carter's Area: #48
MATTHEWS

Vessel OCEANOGRAPHER	Project FOCI OC-88-1	CTD S/N 114	Station Location Line #3, sta #18	Observers JB & JG	Audio Tape # 1/10 side #2	Comp. Tape File 4/7	Cast Depth 582 db	Deck Unit NB1	Cast # #26
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD 083	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)				
		Day	Month	Year	Day			Day	Month													
	02	054	03.4	N	166	49.6	W	23	MAR	88	0354	3.7	-	04	35	330	1568	70555				
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Time Trip	Avg'd Raw (deck unit) CTD Values	P	T	C	OXC	OXT	D ₀	T ₀	S ₀	O ₂	P _c	T _c	S _c	O _c	Θ _c	Sal. Btl. #	Oxy. Btl. #	
1	11	B-20	0354	0400	581.8	3.523	31.560	-	-	-	586	3.49	33.997							37		
2	PINGER			trip me	OK!	-	-	-	-	-										-		
3	1	sfc	0409	0410	4.3	3458	29.876	-	-				32.360						38			
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24																						

Comments:

On Deck Pressure: -5.6
SST (Analog): 3.5

Audio:
Start 0069
Finish 0185

Surface Deck Unit Values:
P -1.9
T 3469
C 29.886
OXC -
OXT -

Time (GMT):
On ~0335
Start Down 0311
At Bottom 0354
Off 0400

Position:
On Deck (start)

At Depth
54° 03.4' N
166° 49.6' W

On Deck (finish)

Sonic Depth: 566, 568
Corr. Depth: 554, 556
Carter's Area: 48
Matthew's

15
19
3
43
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84

Vessel OCEANOGRAPHER	Project FOCI OC-88-1	CTD S/N 1114	Station Location Line 3, stat 19	Observers JB & JG	Audio Tape # 1/11 side #2	Comp. Tape File 51	Cast Depth 1444 db	Deck Unit NB1	Cast # 021
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth		Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)	
		Day	Month	Year	Day	Month	Year	Day	Month	Dry C										Wet C
021	54	10.1	N	166	55.1	W	23	MAR	88	0529	5.0	-	09	48	000	209	82	1451		
Pos.	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim.	Calibrations	Sal.	Oxy.										
#			Trip	P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	θ _c	Btl. #	Btl. #	
1	11A	B-20	0529	0534	1443.5	2.264	31.239	-	-	1424	2.26	34.488	-	-	-	-	-	-	39	
2	PINGER	trip	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
3	1	SURF	0605	0605	0.6	3.493	29.939	-	-	-	-	32.393	-	-	-	-	-	-	40	
4																				
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24																				
Comments:										Sonic Depth: 1477										
0520 - messed w/audio tape to thread it correctly - kept it running!										Corr. Depth: 1451										
Logger turned off before the sfc. bottle tripped.										Carter's Area: 48										
										Matthews										

Vessel OCEANOGRAPHER	Project FOCI OC-88-1	CTD S/N 1114	Station Location Line 3, Sta 20	Observers SC & JG & CJB	Audio Tape # 1/2 side #2	Comp. Tape File 5/2	Cast Depth 1280	Deck Unit NB1	Cast # 622
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	GMT	Dry C	Wet C											
		02254	16.1N	166.58.W	23 MAR 88	0719	6.0	—	0646	355	1999	71288						
Pos.	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal. Btl. #	Oxy. Btl. #									
1	5E	B-20	0719	0724	1279.8 2.442 31.208	— —	1272 2.42 34.440						41					
2	6	sfc	0743	0743	-1.9 3494 29.942	— —	32.395						42					
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
Comments:	@ 426m out of 0706 audio tape stopped for a second																	
On Deck Pressure:	-5.7																	
SST (Analog):	3.4																	
Audio:	0449																	
Start:	0730																	
Finish:																		
Surface Deck Unit Values:																		
P:	-1.9																	
T:	3.437																	
C:	29.891																	
OXC:	—																	
OXT:	—																	
Time (GMT):																		
On:	0653																	
Start Down:	0657																	
At Bottom:	0719																	
Off:	0721																	
plus xx on bottles																		
Position:																		
On Deck (start):																		
At Depth:																		
54° 16.1'N																		
166° 58.3'W																		
On Deck (finish):																		
Sonic Depth:	1312																	
Corr. Depth:	1280, 1288																	
Carter's Area:	48																	
Matthew's																		

Vessel OCEANOGRAPHER	Project FOC1 QC-88-1	CTD S/N 1114	Station Location Line 3, sta 21	Observers SB & JG & DM	Audio Tape # 1/13 side #2	Comp. Tape File 5/3	Cast Depth 576 db	Deck Unit NB1	Cast # #23
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)			
								Day	Month										Year	Day	Month
		02354	23	.0N	167	02.7W	23	MAR	88										6901-6.8	-	0636
Pos. #	Niskin Bottle	Nom. Press.	Time		Avg'd Raw (deck unit) CTD Values				Water Sample Data				CTD w/ Prelim. Calibrations				Sal. Btl. #	Oxy. Btl. #			
			Depth	Trip	P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	Θ _c			
1	54	B-20	0901	0906	576.2	3.570	31.577	—	—	573	3.58	33.951	—	—	—	—	—	—	43		
2	6	SURF.	0915	0916	1.5	3.406	29.923	—	—	—	—	32.398	—	—	—	—	—	—	44		
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																				0840	
11																				0848	
12																				0901	
13																				0907	
14																					
15																					
16																					
17																					
18																					
19																					
20																					
21																					
22																					
23																					
24																					
Comments:										Sonic Depth: 602, Corr. Depth: 588, Carter's Area: 48 Matthew's											

On Deck Pressure: -5.7
SST (Analog): 3.3

Audio:
Start 0745
Finish 0963

Surface Deck Unit Values:
P -1.3
T 3.443
C 29.906
OXC
OXT

Time (GMT):
On 0840
Start Down 0848
At Bottom 0901
Off 0907

Position:
On Deck (start)
At Depth
On Deck (finish)

Sonic Depth: 602,
Corr. Depth: 588,
Carter's Area: 48
Matthew's

Vessel OCEANOGRAPHER	Project FOC OC-88-01	CTD S/N 1114	Station Location LINE 3, STA 22	Observers SG, DM, CB	Audio Tape # 1/18 510E#2	Comp. Tape File 5/4	Cast Depth 459 db	DECK UNIT NB 1	Cast # 824
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD 083	Time at Depth GMT	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)				
		Day	Month	Year	Dry C			Dry C	Wet C													
	024	15	4	31.08	N	167.08	W	23	MAR	1005.8	6	2	8	34	18	67	2	179				
Pos.	Niskin #	Bottle	Nom. Press.	Time	Avg'd Raw (deck unit) CTD Values				Water Sample Data				CTD w/ Prelim. Calibrations				Sal.	Oxy.				
1	5	E	475	1030	459.0	3.625	31.532	—	—	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	θ _c	Btl. #	Btl. #		
2	6	SUF		10413	10413	-0.9	3.513	30.058	—	—			32498							46	—	
3																						
4																						
5																						
6																						
7																						
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9																						
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15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						

Comments:

On Deck Pressure: -5.0
SST (Analog): 3.4

Audio:
Start 0978
Finish 1129

Surface Deck Unit Values:
P -1.1
T 3.489
C 30.032
OXC —
OXT —

Time (GMT):
On 1017
Start Down 1019
At Bottom 1030
Off 1044

Position:
On Deck (start)

At Depth:
54° 31.0' N
167° 08.3' W

On Deck (finish)

Sonic Depth: 487
Corr. Depth: 479
Carter's Area: 48
MATTHEWS

Vessel OCEANOGRAPHER	Project FOCI	CTD S/N 1114	Station Location LINE 4A, STA 26	Observers JMM & JSB	Audio Tape # 1/15 (SIDE TWO)	Comp. Tape File 5/5	Cast Depth 62.4 db	DECK UNIT NB 1	Cast # #25
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD 183	Time at Depth Day Month Year GMT	Air Temp.		Pressure (mbs) 1005.0	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)				
		Deg	Min	Deg	Min			Dry C	Wet C													
		025	54	18	.2N	165	47	.7W	23	MAR	28	1444	-6.5	-	05	36	35	P	15	77	φφ84	
Pos.	Niskin #	Bottle	Nom. Press.	Time		Avg'd Raw (deck unit) CTD Values					Water Sample Data					CTD w/ Prelim. Calibrations					Sal.	Oxy.
				Depth	Trip	P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	θ _c	Btl. #	Btl. #	
1	5	B-20	1444	1448	62.4	3.232	29.584	—	—	—	—	—	32.166	—	—	—	—	—	47	—	—	
2	6	SFC	1451	1451	(3.2)	3.209	29.507	—	—	—	—	—	32.158	—	—	—	—	—	48	—	—	
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Comments:										CTD plus 20-30 meters cable on bottom. No kinks in cable No damage to sensors										Sonic Depth: 123		
																				Corr. Depth: 84		
																				Garter's Area: 48		
																				MATTHEWS		

On Deck Pressure: -5.5
SST (Analog): 3.1

Audio:
Start 1445
Finish 1246

Surface Deck Unit Values:
P 1.4
T 3.190
C 29.536
OXC —
OXT —

Time (GMT):
On 1435
Start Down 1437
At Bottom 1444
Off 1451

Position:
On Deck (start)
—

At Depth
51° 18.2' N
165° 47.7' W

On Deck (finish)
—

Sonic Depth: 123
Corr. Depth: 84
Garter's Area: 48
MATTHEWS

Vessel	Project FOCI	CTD S/N	Station Location	Observers	Audio Tape #	Comp. Tape File	Cast Depth	DECK UNIT	Cast #
OCEANOGRAFHER	OC-88-01	1114	LIVE 4A STA 27	DMM & JB	1/16 (SIDE TWO)	5/16	118 db	NB1	φ 26

CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD Day Month Year	Time at Depth GMT	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)			
		Deg	Min	Deg	Min			Dry C	Wet C												
		φ 26 54	24	φ N 165	52			2 W	23										MAR	88 15 31	-6.5
Pos. #	Niskin Bottle	Nom. Press.	Time		Avg'd Raw (deck unit) CTD Values				Water Sample Data				CTD w/ Prelim. Calibrations				Sal. Btl. #	Oxy. Btl. #			
			Depth	Trip	P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	θ _c			
1	STE	135	1531	1536	117.8	3.842	30.649	—	—	122	3.83	32.794	—	—	—	—	—	—	49	—	
2	6	SUF	1540	1540	3.5	3.177	29.463	—	—	—	—	32.114	—	—	—	—	—	—	50	—	
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					
16																					
17																					
18																					
19																					
20																					
21																					
22																					
23																					
24																					
Comments:																					
Sonic Depth: 130																					
Corr. Depth: 130																					
Carter's Area: 1/8																					
MATTHEW'S																					

On Deck Pressure: 5.0
SST (Analog): 3.1

Audio:
Start 1261
Finish 1345

Surface Deck Unit Values:
P -0.7
T 3.151
C 29.474
OXC —
OXT —

Time (GMT):
On 1526
Start Down 1527
At Bottom 1531
Off 1540

Position:
On Deck (start)
—
At Depth
51°
165°
On Deck (finish)
—

Sonic Depth: 130
Corr. Depth: 130
Carter's Area: 1/8

Vessel	Project FOC	CTD S/N	Station Location	Observers	Audio Tape #	Comp. Tape File	Cast Depth	DECK UNIT	Cast #
OCEANOGRAPHER	OC-88-01	1114	LINE 4A STA 28	DONN & JB	1117 (SIDE PORT)	5/2	474 db	NR 1	027

CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth GMT	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)					
		Day	Month	Year	Dry C			FREEZING	Wet C														
	027	54	21	08	165	58	RW	23	MAR	881634	-6.3	--	05	37	338	1488	2	0501					
Pos.	Niskin Bottle	Nom. Press.	Time Depth	Time Trip	Avg'd Raw (deck unit) CTD Values	P	T	C	OXC	OXT	D _O	T _O	S _O	O ₂	P _c	T _c	S _c	O _c	θ _c	Sal.	Oxy.	Btl. #	Btl. #
1	5L	B-20	1634	1639	473.7	3.782	31.561	—	—											—	—		
2	6	STC	1651	1651	17	3.173	29.455	—	—											—	—		
3																							
4																							
5																							
6																							
7																							
8																							
9																							
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14																							
15																							
16																							
17																							
18																							
19																							
20																							
21																							
22																							
23																							
24																							

Comments: no samples taken

On Deck Pressure: 5.5
SST (Analog): 3.1

Audio:
Start 1364
Finish 1508

Surface Deck Unit Values:
P - 2.1
T 3.136
C 29.442
OXC —
OXT —

Time (GMT):
On 1622
Start Down 1623
At Bottom 1634
Off 1652

Position:
On Deck (start)

At Depth
58° 21.6' N
165° 58.2' W

On Deck (finish)

Sonic Depth: 506, 512
Corr. Depth: 484, 501
Carter's Area: #48
Moffew's

Vessel	Project	CTD S/N	Station Location	Observers	Audio Tape #	Comp. Tape File	Cast Depth	DECK W/T	Cast #
OCEANOGRAPHER	OC-88-01	1114	LINE 4A, STA 29	DMM & SC	3/18 (SIDE TWO)	3/8	598 db	NB1	028

CTD Cast Information Field Log

**Every space
in this field
to be filled
at time of
cast**

Comments:

Wet Bulb - Freezing : no data.
Bottle #⁴ was tripped after logger had stopped.
^{at surface}

On Deck Pressure: -5.5
SST (Analog): 3.1

Audio:
Start 1523
Finish 1784

Surface Deck Unit Values:	
P	-0.6
T	3.314
C	29.700
OXC	—
OXT	—

Time (GMT):
On 1753
Start Down 1757
At Bottom 1813
Off _____

Position:
On Deck (start)

At Depth
54° 23.6' N
166° 08.5' W

On Deck (finish)

Sonic Depth: 622
Corr. Depth: 608
Carter's Area: 48
MATHEW'S

Vessel OCEANOGRAPHER	Project FOC	CTD S/N 1114	Station Location LINE 1A, STA 30 (MM, SC.)	Observers	Audio Tape # 119 (SIDE TWO)	Comp. Tape File 15/1	Cast Depth 518 ab	Deck Unit NRZ	Cast # 029
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD 083	Time at Depth GMT	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)					
		Day	Month	Year	Dry C			Wet C															
029	54	26.7N	166.19.2W	23	MAR	88	1934	7.0	.	06	44	346	17	9	87	0542							
Pos.	Niskin Bottle	Nom. Press.	Time Depth	Time Trip	Avg'd Raw (deck unit) CTD Values	P	T	C	OXC	OXT	D _O	T _O	S _O	O ₂	P _C	T _C	S _C	O _C	Θ _C	Sal.	Oxy.	Btl. #	Btl. #
1	54	B-20	1934	1939	518.3	3.595	31.574	—	—	518	3.59	33.940								53			
2	6	SURF	1946	1946	-2.1	3.16	29.839	—	—			32.584								54			
3																							
4																							
5																							
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17																							
18																							
19																							
20																							
21																							
22																							
23																							
24																							
Comments:		Reun from audio																		Sonic Depth: 554			
																				Corr. Depth: 542			
																				Carter's Area: 48			
																				MATTHEW'S			

Vessel OCEANOGRAPHER	Project FCI OC-88-01	CTD S/N 1114	Station Location LINE 4 STATION 31	Observers SB & JF	Audio Tape # 1/20 (side two)	Comp. Tape File 6/2	Cast Depth 463 db	DECK NB 1	Cast # 830
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD 083	Time at Depth Day Month Year GMT	Air Temp.		Pressure (mbs) Sea State Visibility	Wind Direction (T°) Cloud Type Cloud Amt. Weather	Wind Speed (kts) Bottom Depth (m)
								Dry C	Wet C			
		63.054	29.2N	166.30.7W	23 MAR	88 2108-6.1	+.	0735	34518	X970489		
Pos.	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit) CTD Values P T C OXC OXT	Water Sample Data D _o T _o S _o O ₂	CTD w/ Prelim. Calibrations P _c T _c S _c O _c Θ _c	Sal.	Oxy.	Btl. #	Btl. #		
1	54	B-20	2108	2113 462.7 3.564 31.538	—	468 3.55 33.956	—	—	55	—		
2	—	—	—	—	—	—	—	—	—	—		
3	—	—	—	—	—	—	—	—	—	—		
4	—	—	—	—	—	—	—	—	—	—		
5	—	—	—	—	—	—	—	—	—	—		
6	—	—	—	—	—	—	—	—	—	—		
7	—	—	—	—	—	—	—	—	—	—		
8	—	—	—	—	—	—	—	—	—	—		
9	—	—	—	—	—	—	—	—	—	—		
10	—	—	—	—	—	—	—	—	—	—		
11	—	—	—	—	—	—	—	—	—	—		
12	—	—	—	—	—	—	—	—	—	—		
13	—	—	—	—	—	—	—	—	—	—		
14	—	—	—	—	—	—	—	—	—	—		
15	—	—	—	—	—	—	—	—	—	—		
16	—	—	—	—	—	—	—	—	—	—		
17	—	—	—	—	—	—	—	—	—	—		
18	—	—	—	—	—	—	—	—	—	—		
19	—	—	—	—	—	—	—	—	—	—		
20	—	—	—	—	—	—	—	—	—	—		
21	—	—	—	—	—	—	—	—	—	—		
22	—	—	—	—	—	—	—	—	—	—		
23	—	—	—	—	—	—	—	—	—	—		
24	—	—	—	—	—	—	—	—	—	—		
Comments:												
Sonic Depth: 499												
Corr. Depth: 489												
Carter's Area: 48												
MATTHEW'S												

On Deck Pressure: -5.0
SST (Analog): 2.8

Audio:
Start 2058
Finish 2238

Surface Deck Unit Values:
P -2.4
T 2.788
C 29.604
OXC —
OXT —

Time (GMT): audio on 2058
On 2047
Start Down 2055
At Bottom 2108
Off 2119

Position:
On Deck (start)

At Depth
54° 29.2' N
166° 30.7' W

On Deck (finish)

Sonic Depth: 499
Corr. Depth: 489
Carter's Area: 48

Vessel OCEANOGRAPHER	Project FOCI	CTD S/N 1114	Station Location Line 4, station 32	Observers SB & JS	Audio Tape # 1/21 (side 2)	Comp. Tape File 613	Cast Depth 381 db	Deck Unit NBI	Cast # 031
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast # 031	Latitude		Longitude		Date JD 083	Time at Depth	Air Temp.		Pressure (mbs) Sea State Visibility	Wind Direction (T°) Cloud Type Cloud Amt.	Wind Speed (kts) Weather	Bottom Depth (m)										
		Day	Month	Year	Day	Month	Year	Dry C	Wet C														
		154	34.7	N	166	19.8	W	23	MAR	88	2307	6.2	073734016661	0407									
Pos.	Niskin Bottle	Nom. Press.	Time Depth	Time Trip	P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	Θ _c	Sal.	Oxy.	Btl. #	Btl. #	
1	5L	0-20	2307	2312	380.5	3.857	31.574	—	—	386	3.83	33.604	—	—	—	—	—	—	56	—	—	—	—
2	6	0fc	2318	2318	0.9	3.231	29.720	+	—	—	—	32.084	—	—	—	—	—	—	57	—	—	—	—
3																							
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22																							
23																							
24																							

Comments:

Chart turned on at 100m
large wire angle: ~35m off bottom (in case CTD drifted down)
@ 2½ min into soak dropped CTD to 30m off bottom

BONGO
HERE, TOO!

Sonic Depth: 416
Corr. Depth: 412, 411, 407
Carter's Area: 48
Matthew's

On Deck Pressure: -6.2
SST (Analog): 3.2

Audio:
Start 2253
Finish 2440

Surface Deck Unit Values:
P -1.8
T 3.245
C 29.728
OXC —
OXT —

Time (GMT):
On 2255
Start Down 2256
At Bottom 2307 and 088
Off 2321

Position:
On Deck (start)
At Depth 54° 34.7' N
166° 19.8' W
On Deck (finish)

40
43
57
60
40

Vessel OCEANOGRAPHER	Project FOCI OC-88-1	CTD S/N 114	Station Location Line 4, station 33	Observers JB & JG	Audio Tape # 1/22 (side #2)	Comp. Tape File 6/4	Cast Depth 374	Deck Unit NB1	Cast # #32
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth		Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)			
		Day	Month	Year	Day	Month	Year	Day	Month	Dry C										Wet C		
03254	38.6	N	166	06.6	W	24	MAR	88	0143	-6.9	0845	3401	8861	14346	0	0	0	0	0			
Pos.	Niskin Bottle	Nom. Press.	Time		Avg'd Raw (deck unit) CTD Values				Water Sample Data				CTD w/ Prelim. Calibrations				Sal. Btl. #	Oxy. Btl. #				
#			Depth	Trip	P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	θ _c				
1	5	8-20	0143	0148	34.5	3,380	30.677			323	3.34	33.169							58			
2	6	9f0	0156	0156	2.0	3,173	29.542					32.199							59			
3																						
4																						
5																						
6																						
7																						
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20																						
21																						
22																						
23																						
24																						
Comments:		audio stopped between ~80-86m by mistake ~28m off the bottom - will not lower it due to bad wire angle & mod - heavy seas																		Sonic Depth: 354		
																				Corr. Depth: 346		
																				Carter's Area: 48		
																				Matthew's		

Vessel OCEANOGRAPHER	Project FOCI OC-88-1	CTD S/N 1114	Station Location Line 4, station 34	Observers JB & JG	Audio Tape # 311	Comp. Tape File 6/5	Cast Depth 205 db	Deck Unit NBI	Cast # #33
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast # #33	Latitude		Longitude		Date JD 084	Time at Depth	Air Temp.		Pressure (mbs) 46	Sea State Cloud Type Cloud Amt. 1586	Wind Direction (°) 333	Wind Speed (kcs) 1586	Weather 1	Bottom Depth (m) 16234			
		Day	Month	Year	Day	Month	Year	Day	Dry C							Wet C		
		Depth	Trip	P	T	C	OXC	OXT	D _o							T _o	S _o	O ₂
1	7	B-20	0302	0307	204.7	3.579	30.549	—	—	*237	3.58	32.876					60	
2	8	50	0313	0313	1.8	3.202	29.754	—	—			32.419					61	
3																		
4																		
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19																		
20																		
21																		
22																		
23																		
24																		
Comments:										Sonic Depth: 239								
audio on @ 19 m										Corr. Depth: 238, 235, 234								
Depth *V.P. Possibly Read High										Carter's Area: 48								
										Matthew's								

Vessel OCEANOGRAPHER	Project FOCI OC-88-1	CTD S/N 1114	Station Location Line 4, station 35	Observers JB & JG	Audio Tape # 3/2	Comp. Tape File 7/1	Cast Depth 134 db	Deck Unit NB1	Cast # 034
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)	
		Day	Month	Year	GMT	Dry C	Wet C												
		034	54	49.5N	165	44.2W	24	MAR	88	04	19	-6.4	-	084	6	335	229	720	158
Pos.	Niskin #	Nom. Bottle	Time Depth	Avg'd Raw (deck unit)		CTD Values	Water Sample Data				CTD w/ Prelim. Calibrations					Sai. Btl. #	Oxy. Btl. #		
			Trip	P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	θ _c		
1	7	LC	B-20	0419	0424	134.4	3.586	30.47	—	—	138	3.58	32.761					62	
2	8	stc	0428	0428	2.6	2.541	28.42	—	—				31.454				63		
3																			
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22																			
23																			
24																			
Comments:																			

On Deck Pressure: -5.2
SST (Analog): 2.5

Audio:
Start 0071
Finish 0135

Surface Deck Unit Values:
P -1.5
T 2.554
C 28.449
OXC
OXT —

Time (GMT):
On 0409
Start Down 0413
At Bottom 0419
Off 0429

Position:
On Deck (start) ↗

At Depth ↗
54° 49.5' N
165° 44.2' W
On Deck (finish) ↗

Sonic Depth: —
Corr. Depth: 161 158
Carter's Area: #43
Matthew's

Vessel OCEANOGRAPHER	Project FOC OC-88-1	CTD S/N 114	Station Location Line A, station 36	Observers SC & JG	Audio Tape # 3/3	Comp. Tape File 712	Cast Depth 110 db	Deck Unit NB1	Cast # 035
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)		
		Day	Month	Year	GMT	Dry C	Wet C													
	035	54	54	.7	N	165	32.9	W	24	MAR	88	0542	07.3	-	09	46	330	2286	10130	
Pos.	Niskin Bottle	Nom. Press.	Time Depth	Time Trip	P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	Θ _c	Sal.	Oxy.
1	5E	B-20	0542	0547	109.5	3.236	29.521	—	—	124	3.14	32.026							64	
2	6	5C	0550	0550	2.0	2.599	28.435	—	—			31.412							65	
3																				
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Comments:

ACTUAL BOTTLE TRIP MAY HAVE BEEN DEEPER THAN 109.5 db.

On Deck Pressure: -5.0
SST (Analog): 2.55

Audio:
Start 0150
Finish 0210

Surface Deck Unit Values:
P -0.3
T 2.608
C 28.453
OXC —
OXT —

Time (GMT):
On 0529
Start Down 0535
At Bottom 0542
Off 0551

Position:
On Deck (start)

At Depth

On Deck (finish)

Sonic Depth: —
Corr. Depth: 130
Carter's Area: 48
Matthew's

Vessel OCEANOGRAPHER	Project FOCI OC-88-1	CTD S/N 114	Station Location Line 4, station 31	Observers SC & JG	Audio Tape # 3/4	Comp. Tape File 7/3	Cast Depth 83 db	Deck Unit NB1	Cast # 086
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD 084	Time at Depth Day Month Year GMT	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)	
		Dry C	Wet C	Dry C	Wet C														
		036	54	59.5N	165	19.8W	24 MAR 88 0701	-7.3	-	0.9	41	330	22	X	97	0117			
Pos.	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit) CTD Values				Water Sample Data				CTD w/ Prelim. Calibrations				Sal. Btl. #	Oxy. Btl. #		
#			Trip	P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	θ _c		
1	5	B-20	0701	0706	83.1	3.368	29.744	—	—	93	3.34	32.198						64	
2	6	SURF	0709	0709	1.4	2.600	28.443	—	—			31.425						67	
3																			
4																			
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23																			
24																			
Comments:																			
On Deck Pressure: -6.4 SST (Analog): 2.55																			
Audio: Start 0225 Finish 0297																			
Surface Deck Unit Values: P -1.4 T 2.616 C 28.459 OXC — OXT —																			
Time (GMT): On 0650 Start Down 0656 At Bottom 0701 Off 0710																			
Position: On Deck (start) At Depth 54° 59.5' N 165° 19.8' W On Deck (finish)																			
Sonic Depth: — Corr. Depth: 117 Carter's Area: 48 Matthew's																			

Vessel OCEANOGRAPHER	Project POCI OC-88-1	CTD S/N 1114	Station Location Line 4, 50° 38'	Observers SC & JG	Audio Tape # 315	Comp. Tape File 714	Cast Depth 70 db	Deck Unit NB1	Cast # 037
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)			
		Day	Month	Year	Day	Month	Year	GMT	Dry C										Wet C		
037	55	06.9 N	165	01.8 W	24	MAR	8.8	0827	-7.2	-	-	11	37	345	1665	L	094				
Pos.	Niskin Bottle	Nom. Press.	Time	Avg'd Raw (deck unit)		CTD Values	Water Sample Data		CTD w/ Prelim. Calibrations						Sal.	Oxy.					
#			Depth	Trip	P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	θ _c	Btl. #	Btl. #	
1	5L	8-20	0827	0832	69.6	3.389	29.724	—	—	84	3.24	32.157							68		
2	6	sf	0836	0836	0.3	2.211	28.95	—	—			31.497							69		
3																					
4																					
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23																					
24																					
Comments:																				Sonic Depth: _____	
																				Corr. Depth: 94	
																				Carter's Area: 48	
																				Matthew's	

Vessel OCEANOGRAPHER	Project FOCI OC-88-1	CTD S/N 1114	Station Location LINE 46 sta 39	Observers SB & DM	Audio Tape # 3/6	Comp. Tape File 4/5	Cast Depth 80 db	Deck Unit NBI	Cast # 038
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth		Air Temp.		Pressure 1010.0 (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)				
		Day	Month	Year	Day	Month	Year	GMT	Dry C	Wet C													
		038	54	16	1.2N	164	58.3W	24 MAR	8	8	1008	-7	2	-	-	104	6	35	167	8	7	103	
Pos.	Niskin Bottle	Nom. Press.	Time Depth	Time Trip	P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	θ _c	Sal.	Oxy.	Btl. #	Btl. #	
1	5	(E)	8-20	1008	1013	09.4	3.180	28.412	—	—	87	3.12	31.938						70				
2	6	5fc	1016	1017	2.0	2.394	28.310	—	—			31.463							71				
3																							
4																							
5																							
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22																							
23																							
24																							

Comments:

On Deck Pressure: -5.2
SST (Analog): 2.3

Audio:
Start 0378
Finish 0543

Surface Deck Unit Values:
P - 2.3
T 2.367
C 28.301
OXC —
OXT —

Time (GMT):
On 1008
Start Down 1002
At Bottom 1008
Off 1017

Position:
On Deck (start)

At Depth
54° 01.2' N
164° 58.3' W
On Deck (finish)

Sonic Depth: 103
Corr. Depth: —
Carter's Area: 48
Matthew's

Vessel OCEANOGRAPHER	Project FOCI CC-88-01	CTD S/N 1114	Station Location LINE AB, STA 48	Observers DM & SR	Audio Tape # 3/7	Comp. Tape File 7/6	Cast Depth 64 db	DECK UNIT NBL	Cast # Ø39
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD 1081	Time at Depth GMT	Air Temp. FREEZING		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	Day			Dry C	Wet C									
	Ø3951	57	1N	164	52	5W	24	NAR	Ø8	11Ø4	-7.2	-	-	11	37	3Ø5	1665	7ØØF9
Pos.	Niskin Bottle	Nom. Press.	Time Depth	Time Trip	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal.	Oxy.								
1	54	100	11Ø4	11Ø9	60.2	2.850	28.925	—	—	61	2.85	31.721				72		
2	6	SURF	1112	1112	6.4	2.475	28.362	—	—			31.441				73		
3																		
4																		
5																		
6																		
7																		
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21																		
22																		
23																		
24																		

Comments:

On Deck Pressure: -4.8
SST (Analog): 2.4

Audio:
Start Ø52Ø
Finish Ø615

Surface Deck Unit Values:
P 0.1
T 2.486
C 28.377
OXC —
OXT 1

Time (GMT):
On 1059
Start Down 11Ø2
At Bottom 11Ø4
Off

Position:
On Deck (start) —
At Depth 54° 59.1' N
164° 52.5' W
On Deck (finish) —

Sonic Depth: 79
Corr. Depth: —
Carter's Area: 48
MATTRESS

Vessel OCEANOGRAPHER	Project FOC OC-88-01	CTD S/N 1114	Station Location LINE HB, STA 11	Observers DM & SB	Audio Tape # 3/8	Comp. Tape File 7/7	Cast Depth 50 db	Deck Unit NB 1	Cast # #40
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast		Cast #	Latitude		Longitude		Date JD <u>181</u>	Time at Depth Day Month Year GMT	Air Temp.		Pressure 1011.5 (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
									Dry C	Wet C									
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal. Btl. #	Oxy. Btl. #										
1	5	75	1201 1202	50.1	2.804 28.834	— —	— —	31.660	—	74									
2	6	50F	1204 1205	2.0	2.342 28.260	— —	— —	31.445	—	75									
3																			
4																			
5																			
6																			
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19																			
20																			
21																			
22																			
23																			
24																			
Comments:										No THERM / NO SOAK ROSETTE HIT TRANSMITTER UPON DEPLOYMENT									
										Sonic Depth: 71 Corr. Depth: _____ Carter's Area: 18 MATTHEW'S									

Vessel	Project FOCI	CTD S/N	Station Location	Observers	Audio Tape #	Comp. Tape File	Cast Depth	Deck Unit	Cast #
OCEANOSGRAPHER	CC-88-01	111A	LINE 1B, STA 12	DM & J	3/9	3/8	32 db	NB 1	#41

CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure 1014.5 (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)					
		Day	Month	Year	GMT	Dry C	Wet C																
		041154	59	2N164	44.8W	801253	-6.8	--	1 2 5 7 3 5 5 1 8 x 2 1 0 4 6 1														
Pos.	Niskin Bottle	Nom. Press.	Time Depth	Time Trip	P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	Θ _c	Sal. Btl. #	Oxy. Btl. #			
1	5	60	1253	1254	31.6	2.584	28.531	—	—	31.516									76	—			
2	6	SUE	1257	1258	3.0	2.278	28.184	—	—	31.423									77	—			
3																							
4																							
5																							
6																							
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17																							
18																							
19																							
20																							
21																							
22																							
23																							
24																							
Comments:										No Thermus/No Sock										Sonic Depth: 61			
																				Corr. Depth: —			
																				Carter's Area: 10			
																				Matthew's			

Vessel	Project FOCI	CTD S/N	Station Location	Observers	Audio Tape #	Comp. Tape File	Cast Depth	DECK UNIT	Cast #
OCEANOSGRAPHER	OC-88-01	1114	LINE 4B, STA 43	DW &	3/10	7/9	30 db	NB1	042

CTD Cast Information Field Log

Comments: NO THERMS / NO SOAK

Sonic Depth: 47, 41,
Corr. Depth: —
Carter's Area: 18
MATHEWS

Vessel	Project FOCF	CTD S/N	Station Location	Observers	Audio Tape #	Comp. Tape File	Cast Depth	DECK UNIT	Cast #
OCEANOSPHER	CC-88-01	1114	LINE 5, STA 144	WMM - S	3/11	7/10	102	6	NB 1

CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth GMT	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	Dry C			Dry C	Wet C									
		0843	55°21'	3N 166°17.2'W	24	MAR	1944	-6.3	-	10160	4	6	345	188	6	1	4230	
Pos.	Niskin #	Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal.	Oxy.								
1	5E	125	1944	1949	101.8	3.936	30.733	—	—	3.72	122	32.692			80	—		
2	6	SFC	1951	1951	3.2	2.471	28.352	—	—	↑	↑	31.418			81	—		
3																		
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22																		
23																		
24																		

Comments:

On Deck Pressure: -6.5
SST (Analog): 2.4

Audio:
Start: 0820
Finish: 0804

Surface Deck Unit Values:
P: -03.6
T: 2.458
C: 28.344
OXC: —
OXT: —

Time (GMT):
On: 1934
Start Down: 1939
At Bottom: 1944
Off: 1952

Position:
On Deck (start): —

At Depth:
55°21.3' N
166°17.2' W

On Deck (finish): —

Sonic Depth: 129, 130
Corr. Depth: —
Carter's Area: 40
Matthews

Vessel OCEANOGRAPHER	Project FOCI OC-88-41	CTD S/N 1114	Station Location LINE 5, STA 45	Observers JMM & SB & JG	Audio Tape # 3/12	Comp. Tape File 7/11	Cast Depth 11 db	DECK UNIT NB1	Cast # 044
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)												
		Day	Month	Year	Day	Month	Year	Day	Month																					
		0	14	455	1	4.	2N	1	6	6	23.	5W	24	MAR	88	2056	-5.6	-	-	17	4	5	350	1	6	7	8	7	0	133
Pos.	Niskin #	Bottle	Nom. Press.	Time	Avg'd Raw (deck unit) CTD Values				Water Sample Data				CTD w/ Prelim. Calibrations				Sal.	Oxy.												
				Depth	Trip	P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	θ _c	Btl. #	Btl. #									
1	5	B-20	2056	2101	111.0	3.394	29.934	—	—	—	—	—	32.333	—	—	—	—	—	82											
2	6	SURF	2103	2103	2.6	2.598	28.456	—	—	—	—	—	31.424	—	—	—	—	—	83											
3																														
4																														
5																														
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19																														
20																														
21																														
22																														
23																														
24																														

Comments:

On Deck Pressure: -5.1
SST (Analog): 2.5

Audio:
Start 0919
Finish 1018

Surface Deck Unit Values:
P -1.7
T 2.590
C 28.455
OXC 1
OXT 1

Time (GMT):
On 2047
Start Down 2048
At Bottom 2056
Off 2104

Position:
On Deck (start)

At Depth
55° 14.2' N
166° 23.5' W

On Deck (finish)

Sonic Depth:
Corr. Depth: 124 133
Carter's Area: 1/8
Matthew's

Vessel OCEANOGRAPHER	Project FOCI OC-88-01	CTD S/N 1114	Station Location LINE 5, STA 46	Observers JB & JG	Audio Tape # 3/13	Comp. Tape File 7/12	Cast Depth 115 db	Deck Unit UB 1	Cast # 845
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth		Air Temp.			Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)	
		Day	Month	Year	Day	Month	Day	Month	Dry C	Wet C											
		0455	06.9	N	166	28.5	24	MAR	88	2208	-4.5	-	-	18	36	330	157	770	140		
Pos.	Niskin Bottle	Nom. Press.	Time	Avg'd Raw (deck unit) CTD Values				Water Sample Data			CTD w/ Prelim. Calibrations				Sal.	Oxy.					
#			Depth	Trip	P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	Θ _c	Btl. #	Btl. #	
1	5	B-20	2208	2209	115.1	3.589	30.262	—	—	—	—	32.545	—	—	—	—	—	—	84		
2	6	sfc	2212	2212	2.8	2.536	28.442	—	—	—	—	31.473	—	—	—	—	—	—	85		
3																					
4																					
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22																					
23																					
24																					
Comments:		no flags @ bottle trip @ bottom but logger was on										NO THERM / DO SOAK									

On Deck Pressure: -5.0
SST (Analog): 2.5

Audio:
Start 1033
Finish 1134

Surface Deck Unit Values:
P -1.1
T 2.535
C 28.447
OXC 1
OXT 1

Time (GMT):
On 2152
Start Down 2200
At Bottom 2208
Off 2212

Position:
On Deck (start)
At Depth 55° 06.9' N
166° 28.5' W
On Deck (finish)

Sonic Depth: —
Corr. Depth: 140
Carter's Area: 48
Matthew's

Vessel OCEANOGRAPHER	Project FOC OC-88-1	CTD S/N 1114	Station Location Line 5, station 47	Observers SB & JG	Audio Tape # 3/14	Comp. Tape File 7/13	Cast Depth 121 db	Deck Unit NB 1	Cast # 046
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CTD Cast Information Field Log

Comments:

tweved on @ ~28 m

∴ recorded the up-cast, too.

NO THERM / NO SOAK

Sonic Depth: _____
Corr. Depth: 139, 144
Carter's Area: 178
MATTHEWS

Vessel OCEANOGRAPHER R-101	Project FOC OC-88-1	CTD S/N 1114	Station Location Line 5, Station 48	Observers CJB & JG	Audio Tape # 3/15	Comp. Tape File 7/14	Cast Depth 165 db	DECK UNIT NBL	Cast # 047
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)			
		Day	Month	Year	Day	Month	Year	Day	Month										Dry C	Wet C	
04754	52.1	N	166	40.5	W	25	MAR	28	0044	-2.9	-	1946	3401497	20	188						
Pos.	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit) CTD Values				Water Sample Data				CTD w/ Prelim. Calibrations				Sal.	Oxy.				
#			Trip	P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	θ _c	Btl. #	Btl. #		
1	5	1A	B-20	0044	0049	164.7	3.838	30.972	—	—	170	3.83	33.922						88		
2	6		B-20	0044	0050	167.8	3.842	30.979	—	—			33.123						89		
3																					
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24																					
Comments:																				Sonic Depth: —	
we've been holding the CTD/pinger @ 20m to look for trace of pinger on LSR																				Corr. Depth: 188	
we weren't sure the 1st bottle fired but alas, they both came up closed.																				Garter's Area: 18	
																				MATHEWS	

Vessel OCEANOGRAPHER	Project FOCI OC-88-1	CTD S/N 114	Station Location line 5, station 49	Observers CSB & JG	Audio Tape # 3/16	Comp. Tape File 7/15	Cast Depth 288 db	Deck Unit N81	Cast # 048
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth GMT		Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	Dry C	Wet C													
		048	51	45.2	166	47.0	25	MAR	88	0201									
Pos.	Niskin Bottle	Nom. Press.	Time	Avg'd Raw (deck unit) CTD Values				Water Sample Data				CTD w/ Prelim. Calibrations				Sal. Btl. #	Oxy. Btl. #		
#	Depth	Trip	P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	Θ _c			
1	05(E)	B-10	0201	0206	2875	3.948	31.412	—	—	293	3.95	33.470					90		
2	06	SRF	0214	0214	2.4	3.024	29.548	—	—			32.337					91		
3																			
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Comments:										Sonic Depth: <u>306, 307</u> Corr. Depth: <u>300</u> Carter's Area: <u>48</u> Matthew's									

Vessel OCEANOGRAPHER	Project FOOI OC-88-1	CTD S/N 1114	Station Location Line 5, station 50	Observers JB & JS	Audio Tape # 3/17	Comp. Tape File 7/16	Cast Depth 406 db	Deck Unit NB1	Cast # 049
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)							
		Day	Month	Year	Day	Month	Year	Day	Month																
		049	54	38.9	N	166	52.2	W	25	MAR	88	0334	-2.9	-	-	193	8326122610418								
Pos.	Niskin #	Bottle	Nom. Press.	Time Depth	Time Trip	Avg'd Raw (deck unit)	CTD Values	P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	Θ _c	Sal.	Oxy.	Btl. #	Btl. #
1	05	(C)	B-15	0334	0339	406.1	3.737	31.540	—	—	406	3.74	33.773								92				
2	06	sfc		0348	0348	2.9	2.936	29.623	—	—			32.522								93				
3																									
4																									
5																									
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23																									
24																									

Comments:

On Deck Pressure: -5.3
SST (Analog): 2.9

Audio:
Start 1437
Finish 1641

Surface Deck Unit Values:
P -1.8
T 2.943
C 29.671
OXC —
OXT —

Time (GMT):
On 0321
Start Down 0324
At Bottom 0334
Off 0348

Position:
On Deck (start)

At Depth
54° 38.9' N
166° 52.2' W

On Deck (finish)

Sonic Depth: 428
Corr. Depth: 418
Carter's Area: 48
Matthew's

Vessel OCEANOGRAPHER	Project FOCI OC-88-1	CTD S/N 1114	Station Location LINE SA, STATION 51	Observers SC & JG	Audio Tape # 3/18	Comp. Tape File 8/1	Cast Depth 408 db	DECK UNIT NB#1	Cast # 056
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth		Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)		
		Day	Month	Year	Day	Month	Year	GMT	Dry C	Wet C											
		05	054	41.3N	167	07.5W	25	MAR	88	0502										2.2	-
Pos.	Niskin Bottle	Nom. Press.	Time	Avg'd Raw (deck unit) CTD Values				Water Sample Data				CTD w/ Prelim. Calibrations				Sal.	Oxy.				
#				P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	Θ _c	Btl. #	Btl. #		
1	5 LA	B-20	0502	0507	408.1	3.779	31.541	—	—	411	3.78	33.737	—	—	—	—	—	94	—		
2	6	sfc	0514	0514	24	3.162	29.690	—	—	—	32.378	—	—	—	—	—	—	95	—		
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Comments:																					
Sonic Depth: 437																					
Corr. Depth: 427																					
Carter's Area: 48																					
MATTHEWS																					

On Deck Pressure: -5.9
SST (Analog): 3.1

Audio:
Start 1656
Finish 1772

Surface Deck Unit Values:
P -2.0
T 3.154
C 29.715
OXC 1
OXT 1

Time (GMT):
On 0449
Start Down 0452
At Bottom 0502
Off 0514

Position:
On Deck (start)
At Depth
54° 41.3' N
167° 07.5' W
On Deck (finish)

Sonic Depth: 437
Corr. Depth: 427
Carter's Area: 48

25
38
60
72

Vessel OCEANOGRAPHER	Project FOC OC-88-1	CTD S/N 1114	Station Location Line 52, Station 52	Observers SC & JG	Audio Tape # 3/19 Side 2	Comp. Tape File 8/2	Cast Depth 457 db	Deck Unit NB1	Cast # 051
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast # 051	Latitude		Longitude		Date JD 085	Time at Depth Day Month Year 25 MAR 88 0629	Air Temp.		Pressure (mbs) 2038	Sea State 3	Visibility 8	Wind Direction (°) 300	Wind Speed (kts) 108	Cloud Type Cloud Amt. 3	Weather 3	Bottom Depth (m) 10481
						Dry C		Wet C									
		54	47.4 N	167	22.7 W												
Pos.	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Trip	Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal.	Oxy.	Btl. #	Btl. #					
1	5/E	8-20	0629	0634	4573	3.622 31.576	— —	461 3.63 33.912				96					
2	6	sfc	0642	0642	0.3	2.999 29.626	— —	33.103				97					
3																	
4																	
5																	
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22																	
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24																	
Comments:														Sonic Depth: 492			
														Corr. Depth: 479, 481			
														Carter's Area: 48			
														Mathew's			

Vessel OCEANOGRAPHER	Project FOCI OC-88-1	CTD S/N 1114	Station Location Line 6, station 53	Observers SC & JG	Audio Tape # 3/20 side 2	Comp. Tape File 8/3	Cast Depth 516 db	Deck Unit NB1	Cast # 062
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)	
		Day	Month	Year	GMT	Dry C	Wet C												
		052	54	55.5 N	167	37.9 W	25	MAR	88	0757	-1.5	-	20	38	295	10	X	820546	
Pos. #	Niskin Bottle	Nom. Press.	Time	Avg'd Raw (deck unit) CTD Values				Water Sample Data				CTD w/ Prelim. Calibrations				Sal. Btl. #	Oxy. Btl. #		
1	5L	B-20	0757	0802	515.6	3.568	31.591			513	3.56	33.959					98		
2	6	sfc	0810	0811	0.7	2.922	29.516					32.404					99		
3																			
4																			
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23																			
24																			

Comments:

On Deck Pressure: -5.1
SST (Analog): 2.85

Audio:
Start 0445
Finish 0261

Surface Deck Unit Values:
P -1.1
T 2.930
C 2.9.556
OXC —
OXT —

Time (GMT):
On 0741
Start Down 0744
At Bottom 0757
Off 0811

Position:
On Deck (start)

At Depth
54° 55.5' N
167° 37.9' W

On Deck (finish)

Sonic Depth: 558
Corr. Depth: 553.546
Carter's Area: 4B
MATHEWS

Vessel OCEANOGRAPHER R101	Project FOC OC-88-1	CTD S/N 1114	Station Location LINE 6, STATION 54	Observers S3 d DM	Audio Tape # 3/21 side 2	Comp. Tape File 8/4	Cast Depth 297 db	Deck Unit NB	Cast # 053
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)									
		Day	Month	Year	Day	Month	Year	Day	Month										Year	Dry C	Wet C						
			053	55	01.5	N	16	7	32	.6	W	25	MAR	88	09	07	-1	.6	--	21	27	29	4	146	8	2	0315
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal.	Oxy.	Btl. #	Btl. #																
1	5 LA	B-20	0907 0913	296.8	3.936 31.412	— —	301 3.92 33.484	—	—	100																	
2	6	sfc	0918 0919	1.7	2.723 29.222	— —	32.232	—	—	001																	
3																											
4																											
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24																											
Comments:																				Sonic Depth: 322							
																				Corr. Depth: 315							
																				Carter's Area: 48							
																				Mathew's							
Bongo @ this station																				On Deck Pressure: -5.5							
																				SST (Analog): 2.6							
																				Audio:							
																				Start 0276							
																				Finish 0380							
																				Surface Deck Unit Values:							
																				P -1.9							
																				T 2.622							
																				C 29.157							
																				OXC —							
																				OXT —							
																				Time (GMT):							
																				On 0853							
																				Start Down 0858							
																				At Bottom 0907							
																				Off 0919							
																				Position:							
																				On Deck (start)							
																				At Depth							
																				55° 01.5' N							
																				167° 32.6' W							
																				On Deck (finish)							

Vessel	Project	CTD S/N	Station Location	Observers	Audio Tape #	Comp. Tape File	Cast Depth	DECK UNIT	Cast #
OCEANOGRAPHER	OC-88-#1	1114	LINE 6, STA 56	DM & SB	3/22 (SIDE 2)	8/6	124 db	NB1	955

CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD <i>885</i>	Time at Depth Day Month Year GMT	Air Temp.		Pressure 1019.0 (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)		
		D	M	S	W			D	M										Y	Dry C
		055	55	14	3N	167	23	3W	25	MAR	88	1	159	-1	.8	-	-	192731511661	159	
Pos.	Niskin #	Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal.	Oxy.										
1	5	145	8-20	1159	1204	124.0	3.984	31.002	—	—	128	3.99	33.052	—	—	—	—	—	004	—
2	6	suf	1206	1206	1.7	2.236	28.514	—	—	—	—	—	31.854	—	—	—	—	—	005	—
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				
Comments:																				
Sonic Depth: 150																				
Corr. Depth: —																				
Carter's Area: 48																				
Matthew's																				

On Deck Pressure: ~6.0
SST (Analog): 2.2

Audio:
Start: 0488
Finish: 0605

Surface Deck Unit Values:
P: -1.2
T: 2.238
C: 28.555
OXC: —
OXT: —

Time (GMT):
On: 1151
Start Down: 1155
At Bottom: 1159
Off: 1207

Position:
On Deck (start)

At Depth

On Deck (finish)

Sonic Depth: 150

Corr. Depth: —

Carter's Area: 48

Matthew's

Vessel OCEANOGRAPHER	Project FOCT OC-88-41	CTD S/N 111	Station Location LINE 6 STA 57	Observers DM & JB	Audio Tape # 3/23 (SIDE 2)	Comp. Tape File 8/7	Cast Depth 120 db	DECK UNIT NB 1	Cast # PS6
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	Day	Month	Year	GMT	Dry C									
		45 55'	22	4N 16 7'	17	3W	25	MAR	88 13 01	-1.5	-	-	18	4/6	3	φ φ φ	x	82 01 41
Pos.	Niskin Bottle	Nom. Press.	Time Depth	Time Trip	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations		Sal.	Oxy.							
1	5 LA 135	3-20 135	1301	1306	120.0	4.003	30.876	—	—	—	—	32.872				6	—	
2	6	Suf	1309	13	3.1	2.205	28.274	—	—			31.594				7	—	
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

Therm's did not work properly

On Deck Pressure: -5.0
SST (Analog): 2.1

Audio:
Start 0620
Finish 0673

Surface Deck Unit Values:
P -0.5
T 2.207
C 28.301
OXC —
OXT —

Time (GMT):
On 1256
Start Down 1257
At Bottom 1301
Off 1309

Position:
On Deck (start)

At Depth 55° 22.0' N
167° 17.3' W
On Deck (finish)

Sonic Depth: 141
Corr. Depth: —
Carter's Area: 40
Mann's

Vessel <i>OCEANOGRAFHER</i>	Project FOCZ OC-88-01	CTD S/N 1114	Station Location LINE 6, STA 58	Observers DM & JB	Audio Tape # 3/24 (SIDE 2)	Comp. Tape File 8/8	Cast Depth 119 db	Deck Unit NB 1	Cast # #57
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mb)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	GMT	Dry C	Wet C											
		057	55	34.2N	167.1L.2W	25 MAR 88 1408	-1.8	-	-	18	38	345	1	X	72	135		
Pos.	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations				Sal.	Oxy.						
1	7 E	B-20	1408 1413	119.1 4.019 30.928	— —	123 t.02 32.919	P _C	T _C	S _C	O _C	Θ _C	Btl. #	Btl. #			8		
2	8	sfc	1715 1415	2.1 2.435 28.210	— —	32.692										9		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
Comments:																		Sonic Depth: 135
																		Corr. Depth: —
																		Carter's Area: 4e
																		MATHER'S

Vessel OCEANOGRAPHER	Project FOCI OC-88-01	CTD S/N 1114	Station Location LINE 6, STA 59	Observers JM & JB	Audio Tape # 3/25 (S10E2)	Comp. Tape File 9/9	Cast Depth 116 db	DECK UNIT NB1	Cast # 058
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)			
		Day	Month	Year	GMT	Dry C	Wet C														
	05855	39	LN	167	φ3	3W	25	MAR	881517	1.8	-	-	1736	324	1φx	87	φ134				
Pos.	Niskin Bottle	Nom. Press.	Time Depth	Time Trip	Avg'd Raw (deck unit) CTD Values	P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	Θ _c	Sal. Btl. #	Oxy. Btl. #
1	11C B-30	1517	1522	1522	116.1	4.175	31.129	—	—	—	119	4.17	33.003							10	
2	PINGER	trip me				—	—	—	—	—										—	
3	1	SFC	1526	1526	3.3	1.882	28.014	—	—	—			31.602							11	
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
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14																					
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16																					
17																					
18																					
19																					
20																					
21																					
22																					
23																					
24																					

Comments:

On Deck Pressure: -5.0
SST (Analog): 1.9

Audio:
Start 0763
Finish 0820

Surface Deck Unit Values:
P -0.4
T 1.842
C 28.001
OXC —
OXT —

Time (GMT):
On 1512
Start Down 1513
At Bottom 1517
Off 1526

Position:
On Deck (start)

At Depth
55° 38.1' N
167° 03.3' W

On Deck (finish)

Sonic Depth: 134
Corr. Depth: —
Carter's Area: 48
MATTHEWS

Vessel	Project	CTD S/N	Station Location	Observers	Audio Tape #	Comp. Tape File	Cast Depth	Deck Unit	Cast #
OCEANOGRAPHER	FOCI	OC-88-01	111d	LINE 7, STA 60	DM & SC	3/26 (S10E2)	8/10	105 db	NB 1

CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure 1019.6 (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	Day	Month	Year	Day	Month									
059	55	59.2N	167	42.4W	25	MAR	88	1831	-5.0	-	-	20	37	325	148	61	105	132
Pos.	Niskin Bottle	Nom. Press.	Time Depth	Time Trip	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal.	Oxy.	Btl. #	Btl. #						
1	51A	B-20	1831	1836	105.1	4.267	31.227	—	123	4.26	33.021					12	—	
2	6	SFC	1839	1839	2.1	1.647	28.089	—			31.922					13	—	
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
Comments:																		
Sonic Depth: 132																		
Corr. Depth: —																		
Carter's Area: 40																		
Matchless																		

On Deck Pressure: -5.5
SST (Analog): 1.6

Audio:
Start $\phi 835$
Finish $\phi 912$

Surface Deck Unit Values:
P -1.5
T 1.618
C 28.871
OXC 1
OXT 1

Time (GMT):
On 1819
Start Down 1826
At Bottom 1831
Off 1839

Position:
On Deck (start)

At Depth
55° 59.2' N
167° 42.4' W

On Deck (finish)

Sonic Depth: 132
Corr. Depth: —
Carter's Area: 40
Matchless

Vessel OCEANOGRAPHER	Project FOLI 06-88-01	CTD S/N 1114	Station Location LINE 7 STATION 61	Observers DM & SC.	Audio Tape # 3/27 (SIDE 2)	Comp. Tape File 8/11	Cast Depth 106 db	DECK UNIT NB 1	Cast # 96P
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	GMT	Dry C	Wet C											
		06	055	49.2N	167.4W	25	MAR	88	1955	-3.8	-	-	2047	342	178	61	0131	
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal.	Oxy.									
1	5	1955	2004	106.4	3885 30.926	— —	124' 3.85	32.951						14		—		
2	6	2002	2003	1.1	1.988 28.585	— —		32.197						15		—		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

On Deck Pressure: -6.0
SST (Analog): 1.9

Audio:
Start 0927
Finish 0982

Surface Deck Unit Values:
P -2.1
T 1.988
C 28.590
OXC 1
OXT 1

Time (GMT):
On 1945
Start Down 1950
At Bottom 1955
Off 2003

Position:
On Deck (start)

At Depth
55° 49.2' N
167° 46.4' W

On Deck (finish)

Sonic Depth: 132, 131
Corr. Depth: _____
Carter's Area: 18
MATTHEW'S

Vessel OCEANOGRAPHER	Project FOCI OC-88-01	CTD S/N 1114	Station Location LINE 7, STA 62	Observers SB & JG	Audio Tape # 3/28 (SIDE 2)	Comp. Tape File 8/12	Cast Depth 114 db	Deck Unit NBI	Cast # 01a
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast # 06155	Latitude		Longitude		Date JD 085	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)		
		Day	Month	Year	Day	Month	Year	GMT	Dry C										Wet C	
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Time Trip	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations				Sal.	Oxy.							
1	5	B-13	2124	2124	113.8	4.161 31.087	— —	D _O	T _O	S _O	O ₂	P _C	T _C	S _C	O _C	θ _C	Btl. #	Oxy. Btl. #		
2	6	sfc	2127	2127	1.2	1.854 28.364	— —			32.051								17	—	
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				
Comments:	forgot to flag bottom bottle but logger was running																		NO THERM / NO SOAK	Sonic Depth: —
																			Corr. Depth: 131	Carter's Area: 18
																			Matthews	

Vessel	Project FOCI	CTD S/N	Station Location	Observers	Audio Tape #	Comp. Tape File	Cast Depth	Deck Unit	Cast #
OCEANOGRAPHER	OC-88-01	1114	LINE 7, STA 63	JS & SB	3/29 (SIDE 2)	9/1	16 db	NB1	062

CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)					
		Day	Month	Year	GMT	Dry C	Wet C																
		062	55	32.1	N	167	55.4	W	25	MAR	38	2223	4.2	-	21	47	320	206	61	0135			
Pos.	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal.	Oxy.														
#			Trip	P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	θ _c	Btl. #	Oxy. Btl. #				
1	5	8-20	2223	2224	115.8	3.928	31.03	—	—			33.098						18	—				
2	6	sfc	2227	2227	3.16	2.132	28.526	—	—			31.974						19	—				
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
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14																							
15																							
16																							
17																							
18																							
19																							
20																							
21																							
22																							
23																							
24																							
Comments:										NO THERM / NO SOAK										Sonic Depth:			
hold @ 20m to look for pinger																				Corr. Depth:		135	
																				Carter's Area:		48	
																				Matthew's			

Vessel OCEANOGRAPHER	Project FOC OC-88-1	CTD S/N 1114	Station Location Line 7, station 64	Observers CJB/SB & JG	Audio Tape # 3/30 (side 2)	Comp. Tape File 9/3	Cast Depth 171 db	Deck Unit NB1	Cast # 063
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD 085	Time at Depth GMT	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)			
		Day	Month	Year	Dry C			Dry C	Wet C												
		0	6	3	55	25	.0	N	16	4	59	.3	W	25	MAR	88	23	26	2.1 - - . - 21 47 3202 2651 0190		
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Time Trip	P.	T.	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	Θ _c	Sal. Btl. #	Oxy. Btl. #	
1	5	8-20	2326	2326	170.6	3.796	31.109	-	-			33.322								20	
2	6	sfc	2330	2330	060	2.208	28.670	-	-			32.077								21	
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
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14																					
15																					
16																					
17																					
18																					
19																					
20																					
21																					
22																					
23																					
24																					

Comments:

NO THERM / NO SOAK

started logging values while on deck - steaming to station (How could THAT be?) ∴ 9/2 on magtape #9
is trash

File #

Sonic Depth: 190
Corr. Depth: 190
Carter's Area: 48
Matthew's

On Deck Pressure: -5.9
SST (Analog): 2.15

Audio:
Start 1181
Finish 1263

Surface Deck Unit Values:
P -1.4
T 2.204
C 28.678
OXC -
OXT -

Time (GMT):
On 2316
Start Down 2320
At Bottom 2326
Off 2330

Position:
On Deck (start)

At Depth
55° 25.0' N
167° 59.3' W
On Deck (finish)

Vessel OCEANOGRAPHER	Project FOC OC-88-1	CTD S/N 1114	Station Location Line 7, station 65	Observers SB & JG	Audio Tape # 3/31 (side 2)	Comp. Tape File 9/4	Cast Depth 562 db	Deck Unit NB-1	Cast # 064
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	Day	Month	Year	GMT	Dry C									
		06455	18.3	N	168.02.7	W	26	MAR	88	0031	3.5	-	-	2146315196870568				
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal. Btl. #	Oxy. Btl. #									
1	5 LA	8-20	0034	0040	561.5 3.511 31.603	— —	558 3.52 32.702							22				
2	6	sfc	0051	0051	2.2 2.501 28.759	—	—			31.898				23				
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
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15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

Sonic Depth: 581

Corr. Depth: 525, 565, 568

Carter's Area: 48

Matthew's

On Deck Pressure: -5.8
SST (Analog): 2.45

Audio:
Start 1278
Finish 1456

Surface Deck Unit Values:
P 0.2
T 2.519
C 28.810
OXC —
OXT —

Time (GMT):
On 0014
Start Down 0019
At Bottom 0034
Off 0051

Position:
On Deck (start)
At Depth
55° 18.3' N
168° 02.7' W
On Deck (finish)

36
38
53
56
63
05
11

Vessel OCEANOGRAPHER	Project FOC1 OC-88-1	CTD S/N 1114	Station Location Line 7, station 66	Observers JB & JG	Audio Tape # 3/32 (side 2)	Comp. Tape File 9/5	Cast Depth 1455 db	Deck Unit NB1	Cast # 065
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CTD Cast Information Field Log

**Every space
in this field
to be filled
at time of
cast**

Gas

Latitude

Longitude

Date JD 086

Time at

Audio Tape

Comp. Tape Fil

Cast Depth

Deck Unit
NBI

Cast #
065

On Deck Pressure: -4.9
SST (Analog): 3.0

Audio:

Start 1471
Finish 1853

Surface Deck Unit Values:

P	0.1
T	3.045
C	29.712
OXC	—
OXT	—

Time (GMT):

On	0136
Start Down	0140
At Bottom	0210
Off	0240

Position:
On Deck (star)

At Depth
55° 12.2' N
168° 08.8' W

Sonic Depth: 1433 1459
Corr. Depth: 1408, 1423, 1430, 1434
Carter's Area: 48
Matthew's

1020.9

Vessel OCEANOGRAPHER	Project Foc OC-88-1	CTD S/N 1114	Station Location Line 7, station 67	Observers JB & JG	Audio Tape # 3/33 (side 2)	Comp. Tape File 916	Cast Depth 1415 db	Deck Unit NB 1	Cast # 066
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)	
		Day	Month	Year	Day	Month	Year	Day	Month										Year
		066	55	02.5N	168	09.3W	26	MAR	88										0423
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal.	Oxy.	Btl. #	Btl. #								
1	II	B-90	0423	0429	1415.3	2,260	31,272	—	—	13.96	2.29	34.487			26				
2	PINGER	*	trip me*	—	—	—	—								—				
3	I	SFC	0455	0455	2.2	3.074	29,774	—	—			32.561			27				
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			
Comments:										Sonic Depth: 1512 Corr. Depth: 1486, 1517, 1497 Carter's Area: 48 Matthew's									
<p>I got as close to the bottom as I could, the wire angle was so bad, the fish only went sideways when we let out more wire. Wire out was 1555m!</p>										<p>1523 1474, 1497</p>									

Vessel OCEANOGRAPHER	Project FOCI OC-88-1	CTD S/N 114	Station Location Line 7, station 68	Observers SC & JS	Audio Tape # 411	Comp. Tape File 9/7	Cast Depth 1514 db	Deck UNIT NB1	Cast # 067
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD 086 Day Month Year	Time at Depth GMT	Air Temp.		Pressure (mbs) Sea State Visibility	Wind Direction (T°) Wind Speed (kts) Cloud Type Cloud Amt. Weather	Bottom Depth (m)	On Deck Pressure: SST (Analog):							
		Deg	Min	Deg	Min			Dry C	Wet C											
		0	67	54	49.9			N	168					16.4	W	26	MAR	88	0652	-4.5
Pos.	Niskin Bottle	Nom. Press.	Time Depth	Time Trip	P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	Θ _c	Sal. Btl. #	Oxy. Btl. #
1	51 LA	1500	0652	0657	1511.4	2.101	31.206	—	—	1486	2.11	34.526	/						28	
2	6	sfc	0722	0722	1.6	3.672	29.900	—	—			32.717							29	
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				
Comments:										Sonic Depth: 2140, 2126										
										Corr. Depth: 2109, 2095										
										Carter's Area: 48										
										Mathew's										

10
15/6
6/10
11/10
83/4
90

9:47
257

257
5

On Deck Pressure: -5.6
SST (Analog): 3.0

Audio:
Start 0000
Finish 0299

Surface Deck Unit Values:
P -1.4
T 3.109
C 29.942
OXC
OXT

Time (GMT):
On 0614
Start Down 0620
At Bottom 0652
Off 0722

Position:
On Deck (start)

At Depth
54° 49.9' N
168° 16.4' W

On Deck (finish)

Sonic Depth: 2140, 2126
Corr. Depth: 2109, 2095
Carter's Area: 48
Mathew's

Vessel OCEANOGRAPHER	Project FOC OC-88-1	CTD S/N 1114	Station Location Line 7a, station 69	Observers DM & SB	Audio Tape # 4/2	Comp. Tape File 9/8	Cast Depth 1514 db	Deck Unit NB1	Cast # 068
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast # 068	Latitude		Longitude		Date JD 086	Time at Depth	Air Temp.		Pressure (mbs) 1021.4	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)			
		Day	Month	Year	GMT	Dry C	Wet C														
		55° 44' 6 N	168° 35' 8 W	MAR 88	0945	45 - 4.9	- - -	21	27										34	14	6
Pos.	Niskin Bottle	Nom. Press.	Time		Avg'd Raw (deck unit) CTD Values				Water Sample Data				CTD w/ Prelim. Calibrations				Sal.	Oxy.			
#			Depth	Trip	P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	θ _c	Btl. #	Btl. #	
1	5C	1500	0945	0950	1514.1	2.206	31.238	-	-	1489	2.21	34.502							30	-	
2	6C	1013	1013	0.7	2.985	29.770	-	-				32.644							31	-	
3																					
4																					
5																					
6																					
7																					
8																					
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21																					
22																					
23																					
24																					
Comments:																				Sonic Depth: 71800, 1820	
																				Corr. Depth: 1890	
																				Carter's Area: 48	
																				Matthew's	

Vessel OCEANOGRAPHER	Project FOC OC-88-1	CTD S/N 1114	Station Location Line 7a, station 70	Observers DM# SB/JB	Audio Tape # 4/3	Comp. Tape File 9/9	Cast Depth 1461 db	Deck Unit NB-1	Cast # 069
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD 086	Time at Depth	Air Temp.		Pressure (mb)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)					
		Day	Month	Year	Day			Month	Year										Day	Month	Year	Dry C	Wet C
		Pos.	Niskin Bottle	Nom. Press.	Time Depth			Time Trip	Avg'd Raw (deck unit)										CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal.	Oxy.
#			P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	θ _c	Btl. #	Btl. #					
1	5	LE	1500	1215	1221	1461.3	2.235	31.275	—	—	1433	2.25	34.493					32	—				
2	6	5fc	1232	1253		3.2	2.534	25.431	—	—			32.218					33	—				
3																							
4																							
5																							
6																							
7																							
8																							
9																							
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21																							
22																							
23																							
24																							
Comments: * 1122 Halted computer (+). Problem with A-frame.																							

Vessel	Project FOCI	CTD S/N	Station Location	Observers	Audio Tape #	Comp. Tape File	Cast Depth	Deck Unit	Cast #
OCEANOPHYSICIST	OC-88-01	1114	LINE 7a, STA 71	JM & JB	4/4	10/1	1505 db	NB1	076

CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure 1020.0 (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)					
		Day	Month	Year	Day	Month	Year	GMT	Dry C														
		07	05	55	17	9	N	16	9	01	.2W	26	MAR	88	1433	-6.3	-	-	2	φ 37	φ φ φ	18	x 6222272
Pos.	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal.	Oxy.														
1	7 LA	1500	1433	1438	1504.5 2.263 31.313	— —	1487 2.28																
2	8 STC	1507	1508	- 1.7	2.346 28.888	— —				33.040						35	—						
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
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13																							
14																							
15																							
16																							
17																							
18																							
19																							
20																							
21																							
22																							
23																							
24																							

Comments: No Samples Taken at Depth

On Deck Pressure: -1.9
SST (Analog): 2.4

Audio:
Start 1117
Finish 1597

Surface Deck Unit Values:
P -0.2
T 2.434
C 28.434
OXC —
OXT —

Time (GMT):
On 1357
Start Down 1359
At Bottom 1433
Off 1508

Position:
On Deck (start)
At Depth
55° 17.9 N
169° 04.2 W
On Deck (finish)

Sonic Depth: 2200, 2295
Corr. Depth: 2263, 2272
Carter's Area: 48
Matthew's

Vessel	Project FOGI	CTD S/N	Station Location	Observers	Audio Tape #	Comp. Tape File	Cast Depth	DECK UNIT	Cast #
OCEANOGRAPHER	OC-88-01	1114	LINE 8, STA 72	JM & SC	1/5	1012	1514 db	NB1	071

CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)	
		Day	Month	Year	GMT	Dry C	Wet C												
071	55	25.7	N	169.1	W	26	MAR	88	1642-6.3	-	1500	2.23	34.562	24	37	00	188	82	2232
Pos.	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal.	Oxy.										
1	11	1500	1642	1648	1514.6	2.217	31.283	—	—	1500	2.23	34.562	—	—	—	34	—		
2	PINGER	*trip me*	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
3	1	55 ⁰⁰	1642	1651	1514.0	2.212	31.280	—	—	—	—	—	—	—	—	37	—		
4																			
5	Sfc	1720	1720	-36	2.248	28.708													
6																			
7																			
8																			
9																			
10																			
11																			
12																			
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14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments: The first trigger did not work. Pushed trigger twice more (once for the pinger and once for the surface) to ensure a sample at depth.

On Deck Pressure: 4.4
SST (Analog): 2.2

Audio:
Start 1612
Finish 2148

Surface Deck Unit Values:
P 0.9
T 2.255
C 28.721
OXC —
OXT —

Time (GMT):
On 1609
Start Down 1614
At Bottom 1642
Off 1721

Position:
On Deck (start)
At Depth 55° 25.7' N
169° 17.1' W
On Deck (finish)

Sonic Depth: 2334, 2352
Corr. Depth: 2392, 2320
Garter's Area: 48
Matthew's

Vessel OCEANOGRAPHER	Project FOCI OC-88-61	CTD S/N 1114	Station Location LINE E, STA 73	Observers J M #	Audio Tape # #6 (track 2)	Comp. Tape File 1013	Cast Depth 1501 db	Deck Unit NB1	Cast # #72
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast # #72	Latitude		Longitude		Date JD #86	Time at Depth	Air Temp.		Pressure 1015.2 (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	GMT	Dry C	Wet C											
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal. Btl. #	Oxy. Btl. #									
1	5	E	1506	1904	1909	1500.5	2.195	31.260									36	—
2	6	Sfc	1929	1929	-2.3	2.561	28.915										37	—
3																		
4																		
5																		
6																		
7																		
8																		
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15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
Comments:																		
Sonic Depth: >1700, 1770																		
Corr. Depth: 1741																		
Carter's Area: 48																		
MATTHEW'S																		

Vessel <i>OCEANOGRAPHER</i>	Project FOCI	CTD S/N OC-88-01	1114	Station Location LINE 8, STA 74	Observers SB & JG JW & SC	Audio Tape # 4/7 (track 2)	Comp. Tape File 10/4	Cast Depth 659 db	DECK UNIT NB 1	Cast # 473
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD 086	Time at Depth GMT	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	Dry C			Wet C										
473	55	39.9 N	168° 53.5 W	26	MAR	88	2046	7.0	-	193	7	046	107	77	069	1		
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Time Trip	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations				Sal.	Oxy.					
1	54	826	2046	2051	659.1	3360	31.596	—	—	654	3.37	34108				38	—	
2	6	SC	2101	2101	0.7	2260	28.539	—	—			31.872				39	—	
3																		
4																		
5																		
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19																		
20																		
21																		
22																		
23																		
24																		
Comments:																		
Sonic Depth: 709, Corr. Depth: 694, 691 Carter's Area: 48 MATHEWS																		

Vessel OCEANOGRAPHER	Project FOCI OC-88-01	CTD S/N 1114	Station Location LINE E, STA 75	Observers SB & JS	Audio Tape # 4/8 (track 2)	Comp. Tape File 1915	Cast Depth 171 db	Deck Unit NB1	Cast # #74
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD 086	Time at Depth Day Month Year GMT	Air Temp.		Pressure (mbs) 1936	Sea State 6	Visibility -	Wind Direction (T°) 080	Wind Speed (kts) 14	Cloud Type Cloud Amt. 77	Weather 70	Bottom Depth (m) 189					
		D	M	W	S			Y	Dry C									Wet C				
	#74	55	43.1	N	168	47.5	W	26	MAR	88	21	53	-6.8	-	-	19	36	080	14	77	70	189
Pos.	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit) Trip	CTD Values P T C OXC OXT	Water Sample Data D _O T _O S _O O ₂	CTD w/ Prelim. Calibrations P _C T _C S _C O _C Θ _C	Sal. Btl. #	Oxy. Btl. #													
1	s	5	B-20	2153	2158 170.7 3.966 30.963	— — 176 3.95	32.983															
2	6	sfc	2202	2202 0.4	2.077 28.633	— —	32.74															
3																						
4																						
5																						
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19																						
20																						
21																						
22																						
23																						
24																						
Comments:																				Sonic Depth: <u>—</u>		
																				Corr. Depth: <u>192, 189</u>		
																				Garter's Area: <u>48</u>		
																				<i>Matthews</i>		

Vessel OCEANOGRAPHER	Project FOC OC-88-1	CTD S/N 114	Station Location Line 8, station 76	Observers SB & JS	Audio Tape # 4/9 (track 2)	Comp. Tape File 10/6	Cast Depth 121 db	Deck Unit NB1	Cast # 075
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth		Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	Day	Month	Year	Dry C	Wet C										
		075	55	49.2	168	10	4	26	MAR	88	2303	6.5	-	-	1936	080	1077	10142	
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal.	Oxy.	Btl. #	Btl. #								
1	5	8-20	2303	2304	121.0	3.880	30.831	—	—	32.941						42			
2	6	5fC	2307	2307	2.0	2.011	28.520	—	—	32.696						43			
3																			
4																			
5																			
6																			
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18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

NO THERM / NO SOAK

On Deck Pressure: -4.9
SST (Analog): 1.8

Audio:
Start 0573
Finish 0620

Surface Deck Unit Values:
P 0.1
T 2.015
C 28.527
OXC —
OXT —

Time (GMT):
On 2252
Start Down 2259
At Bottom 2303
Off 2307

Position:
On Deck (start)

At Depth
55° 49.2' N
168° 40.4' W

On Deck (finish)

Sonic Depth: —
Corr. Depth: 142
Carter's Area: 48
Matthew's

Vessel OCEANOGRAPHER	Project FOC OC-88-1	CTD S/N 114	Station Location Line 8, station 77	Observers SB & JG	Audio Tape # 4/10 (track 2)	Comp. Tape File 10/7	Cast Depth 128 db	Deck Unit NB1	Cast # 076
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD 087	Time at Depth GMT	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	Dry C			Wet C										
		076	55	55.0 N	168	29.6 W	27 MAR	88 0004	-6.5 - - . -	19	27	080	1276	10	148			
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit)	CTD Values	Water Sample Data		CTD w/ Prelim. Calibrations				Sal. Btl. #	Oxy. Btl. #					
1	5	B-20	0004	0004	127.9	3.748	30.699	—	—	32.901					44			
2	6	sfc	0007	0007	2.0	2.043	28.644	—	—	32.202					45			
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
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17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
Comments:										NO THERM / NO SOAK								
										Sonic Depth: —								
										Corr. Depth: 148								
										Carter's Area: 48								
										Matthew's								

Vessel OCEANOGRAPHER	Project FOC OC-88-1	CTD S/N 1114	Station Location Line 8, station 78	Observers JB & JG	Audio Tape # 4/11 (track 2)	Comp. Tape File 10/8	Cast Depth 145 db	Deck Unit NBI	Cast # 077
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD 087	Time at Depth Day Month Year GMT	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		D	M	D	M			Wet C	Dry C									
077	56	00	3N	168	19	7W	27 MAR 88 0055	6.3	-	-1938	075	1884	10161					
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Time Trip	Avg'd Raw (deck unit) CTD Values	P T C OXC OXT	Water Sample Data	CTD w/ Prelim. Calibrations	Sal. Btl. #	Oxy. Btl. #								
1	5	B-20	0055	0055	144.7 3,748 30.828	— —												
2	6	sfc	0059	0100	2.3 1,726 28.443	— —		33.039										
3								32.361										
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
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16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
Comments:										NO THERM / NO SOAK								
										Sonic Depth: —								
										Corr. Depth: 165, 162, 161								
										Carter's Area: 48								
										Mathew's								

On Deck Pressure: -1.9
SST (Analog): 2.25

81
85

Audio:
Start 0717
Finish 0768

Surface Deck Unit Values:
P -1.2
T 1.985
C 28.737
OXC —
OXT —

Time (GMT):
On 0049
Start Down 0052
At Bottom 0055
Off 0100

Position:
On Deck (start)
At Depth
56° 00.3' N
168° 19.7' W
On Deck (finish)

Sonic Depth: —
Corr. Depth: 165, 162, 161
Carter's Area: 48
Mathew's

Vessel	Project FOC	CTD S/N	Station Location	Observers	Audio Tape #	Comp. Tape File	Cast Depth	Deck Unit	Cast #
OCEANOGRAPHER	OC-88-1	1114	LINE 8, station 79	JB & JG	4/12 TRACK 2	10/9	130 db	N81	078

CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD 087			Time at Depth		Air Temp.			Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)		
		Day	Month	Year	Day	Month	Year	GMT	Dry C	Wet C														
078	56	09.2	N	168	06.	4	W	27	MAR	88	0209	-6.7	-	-	1847	075	1085	10	144					
Pos.	Niskin Bottle	Nom. Press.	Time			Avg'd Raw (deck unit) CTD Values			Water Sample Data			CTD w/ Prelim. Calibrations			Sal.	Oxy.								
1	7	B-20	0209	0210	130,0	3.556	30.524	—	—			32.889			O _C	Θ _C	Btl. #	Btl. #						
2	8	sfc	0212	0213	1.5	1.336	27.946	—	—			32.658						49						
3																								
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Comments:

On Deck Pressure: -4.9
SST (Analog): 1.5

Audio:
Start 0783
Finish 0833

Surface Deck Unit Values:
P -0.2
T 1.334
C 27.930
OXC 11
OXT —

Time (GMT):
On 0200
Start Down 0205
At Bottom 0209
Off 0213

Position:
On Deck (start)

At Depth
56°
168°

On Deck (finish)

Sonic Depth:
Corr. Depth: 146, 144
Carter's Area: 48
Matthew's

Vessel OCEANOGRAPHER	Project FOCI OC-88-1	CTD S/N 1114	Station Location Line 8, station 80	Observers JB & JS	Audio Tape # 4/13 (track 2)	Comp. Tape File 10/10	Cast Depth 116 db	Deck Unit NB1	Cast # 079
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)				
		Day	Month	Year	Day	Month	Year	GMT	Dry C													
		07956	15.4	N	16756.9	W	27	MAR	88	0328	-6.8-	-.-	1835	075	12972	0135						
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Time Trip	Avg'd Raw (deck unit) P	T	C	CTD Values OXC	OXT	Water Sample Data D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	θ _c	Sal.	Oxy.	Btl. #	Btl. #
1	11 E	8-20	0328	0333	115.7	3.963	30.925	—	—	121	3.96								50			
2	12 PINSER	*trip me*			—	—	—	—	—	128	3.89	32.964										
3	1	sfc	0336	0337	3.5	1.286	27.853	—	—			31.993							51			
4																						
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Comments:

2nd PROTECTED READ SLIGHTLY LOW

On Deck Pressure: -4.8
SST (Analog): 1.25

Audio:
Start 0848
Finish 0896

Surface Deck Unit Values:
P 0.8
T 1.281
C 27.854
OXC —
OXT —

Time (GMT):
On 0321
Start Down 0324
At Bottom 0328
Off 0337

Position:
On Deck (start)

At Depth
56° 15.4' N
167° 56.9' W

On Deck (finish)

Sonic Depth:
Corr. Depth: 135
Carter's Area: 48
Mathew's

Vessel OCEANOGRAPHER	Project FOCI OC-88-1	CTD S/N 1114	Station Location Line 9, station 81	Observers SC & JG	Audio Tape # 4/14 (track 2)	Comp. Tape File 111	Cast Depth 92 db	Deck Unit NB1	Cast # 080
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)					
		Day	Month	Year	GMT	Dry C	Wet C																
		0	8	0	56	30	.2N	168	28	.7W	27	MAR	88	0555	6.9	.	183	7	070	189	720	111	
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Time Trip	Avg'd Raw (deck unit)	CTD Values	Water Sample Data				CTD w/ Prelim. Calibrations				Sal. Btl. #	Oxy. Btl. #							
1	3	B-20	0555	0556	91.9	4.171	31.002	—	—		32.845						52						
2	4	sfc	0600	0600	1.9	1.316	27909	—	—		32.023						53						
3																							
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Comments:										Bongo, too. NO THERMS / NO SOAK													
																				Sonic Depth: _____			
																				Corr. Depth: 115, 111			
																				Carter's Area: 48			
																				Matthew's			

On Deck Pressure: -4.3
SST (Analog): 1.2

Audio:
Start 0911
Finish 0960

Surface Deck Unit Values:
P -0.5
T 1.305
C 27.911
OXC _____
OXT _____

Time (GMT):
On 0550
Start Down 0551
At Bottom 0555
Off 0600

Position:
On Deck (start)
At Depth
56° 30.2' N
168° 28.7' W
On Deck (finish)

Sonic Depth: _____
Corr. Depth: 115, 111
Carter's Area: 48
Matthew's

Vessel OCEANOGRAPHER	Project FOCI OC-88-1	CTD S/N 1114	Station Location Line 9, station 82	Observers SC & JG	Audio Tape # 1115 (track 2)	Comp. Tape File 11/2	Cast Depth 106 db	Deck Unit NB-1	Cast # 081
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CTD Cast Information Field Log

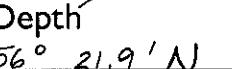
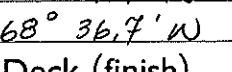
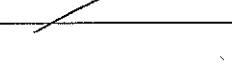
Every space in this field to be filled at time of cast			Cast #	Latitude		Longitude		Date JD 087			Time at Depth GMT		Air Temp.		Pressure (mbs) Sea State	Visibility	Wind Direction	Wind Speed (kt)	Cloud Ty	Cloud Alt	Weather	Bottom Depth (m)
Pos.	Niskin Bottle	Nom. Press.	Time	Avg'd Raw (deck unit)		CTD Values		Water Sample Data			CTD w/ Prelim. Calibrations											
			Depth	Trip	P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	θ _c	Btl. #	Btl. #		
1	5C	B-RO	0747	0752	106.1	3.819	30.780	—	—	112	3.78	—	—	—	—	—	—	—	—	—		
2	6	sfc	0755	0755	1.7	1.272	27.894	—	—	—	—	32.045	—	—	—	—	—	54	—	—		
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On Deck Pressure: 1010
SST (Analog): 1.15

Audio:
Start 0945
Finish 1037

Surface Deck Unit Values:
P -1.6
T 1.280
C 27.894
OXC —
OXT —

Time (GMT):
On 0739
Start Down 0743
At Bottom 0747
Off 0756

Position:
On Deck (start) 
At Depth 
56° 21.9' N
168° 36.7' W
On Deck (finish) 

Comments:

no bottle @ depth / lanyard crimp hung up on rosette - still got therm.

Sonic Depth: _____
Corr. Depth: 126
Carter's Area: 48
Mathew's

Vessel OCEANOGRAPHER	Project FOCI OC-88-1	CTD S/N 1114	Station Location Line 9, station 83	Observers SB & JG & DM	Audio Tape # 4/16 (track 2)	Comp. Tape File 11/3	Cast Depth 133 db	Deck Unit NB1	Cast # 082
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mb)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)				
		Day	Month	Year	Day	Month	Year	Day	Month					Day	Month	S _o	O ₂	P _c	T _c	S _c	O _c	θ _c
					082	56	16	0849	0854					0849	0854	133.0	P	T	C	OXC	OXT	D _o
1	5	B-20	0849	0854	133.0	3.824	30.813	—	—	137	3.84	32.963	—	—	—	—	—	—	—	55	—	—
2	6	sfc	0857	0857	133.0	27.965	—	—	—	—	—	32.164	—	—	—	—	—	—	—	56	—	—
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Comments:

On Deck Pressure: -4.9
SST (Analog): 1.2

Audio:
Start 1052
Finish 1118

Surface Deck Unit Values:
P -1.6
T 1.253
C 27.969
OXC —
OXT —

Time (GMT):
On 0838
Start Down 0843
At Bottom 0849
Off 0858

Position:
On Deck (start)
At Depth
56° 16.4' N
168° 13.8' W
On Deck (finish)

Sonic Depth:
Corr. Depth: 155, 154
Carter's Area: 48
Matthew's

Vessel OCEANOGRAPHER	Project FOCI OC-88-1	CTD S/N 1114	Station Location Line 9, Station 84	Observers JM & SB	Audio Tape # 4117 (track 2)	Comp. Tape File 11/4	Cast Depth 388 db	Deck Unit NB1	Cast # 083
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth Day Month Year GMT	Air Temp.		Pressure 1015.6 (mbs)	Sea State	Visibility	Wind Direction (°) 16 3 6 2 2 7 6 1 4 3 9 6	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)							
		Deg	Min	Deg	Min	Deg		Min	Deg										Min	Deg	Min				
		08	35	6	09	6	16	54	8	27	MAR	88	10	1	5	2	16	36	65	22	76	14	39	6	
Pos. #	Niskin Bottle	Nom. Press.	Time		Avg'd Raw (deck unit)		CTD Values		Water Sample Data				CTD w/ Prelim. Calibrations				Sal. Btl. #	Oxy. Btl. #							
	<td></td> <th>Depth</th> <th>Trip</th> <th>P</th> <th>T</th> <th>C</th> <th>OXC</th> <th>OXT</th> <th>D_o</th> <th>T_o</th> <th>S_o</th> <th>O₂</th> <th>P_c</th> <th>T_c</th> <th>S_c</th> <th>O_c</th> <th>Θ_c</th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		Depth	Trip	P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	Θ _c							
1	5	E B-20	365	1001	1006	388.1	3.884	31.392	—	—	391	3.89	33.460	—	—	—	—	—	57	—	—	—	—	—	—
2	6	sfc	1012	1012	2.6	1.508	28.258	—	—	—	—	—	32.347	—	—	—	—	—	58	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Comments:	Problem with Header. Could not run "READER". Rerun from audio																								
Sonic Depth:	420' 405'																								
Corr. Depth:	418, 411, 396																								
Carter's Area:	48																								
Matthew's																									

Vessel	Project FOCI	CTD S/N	Station Location	Observers	Audio Tape #	Comp. Tape File	Cast Depth	Deck Unit	Cast #
OCEANOSOPHHERE	OC-88-01	1114	LINE 9, STA 25	JM & SB	4/10 (track 2)	12/1	1020 dB	NB 1	004

CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)			
		Day	Month	Year	GMT	Dry C	Wet C														
		084	56	43	6N 168° 56'.9W	27 MAR	88 1128	-5.2	-	163	3	B	46°	2	17	67	1034				
Pos.	Niskin	Nom.	Time		Avg'd Raw (deck unit)	CTD Values	Water Sample Data		CTD w/ Prelim. Calibrations	Sal.	Oxy.										
#	Bottle	Press.	Depth	Trip	P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	θ _c	Btl. #	Btl. #	
1	5	1500	1128	1133	1019.5	2.570	31.292	-	-	1007	2.68	34.387							59	-	
2	6	sfc	1154	1154	2.4	2.712	29.378	-	-			32.412							60	-	
3																					
4																					
5																					
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22																					
23																					
24																					

Comments: Depth @ start of soak = 1034
 " " end of soak = 1015

On Deck Pressure: -4.8
 SST (Analog): 2.6

Audio:
 Start 1309
 Finish 1632

Surface Deck Unit Values:
 P -0.7
 T 2.733
 C 29.378
 OXC —
 OXT —

Time (GMT):
 On 1104
 Start Down 1105
 At Bottom 1128
 Off 1155

Position:
 On Deck (start)

At Depth 56° 43.6' N
 168° 56.8' W

On Deck (finish)

Sonic Depth: 1095, 1054,
 Corr. Depth: 1034, 1015
 Carter's Area: 48
 MATTHEW'S

Vessel OCEANOGRAPHER	Project FOCZ OC-28-61	CTD S/N 1114	Station Location LINE 9, STA 86	Observers JM & JB	Audio Tape # 4/19 TRACK 25	Comp. Tape File 12/2	Cast Depth 1514 db	DECK UNIT NB 1	Cast # #85
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD #87	Time at Depth Day Month Year GMT	Air Temp.		Pressure 1013.4 (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)	
		Day	Month	Year	Day			Dry C	Wet C										
		085	55	54	en	16	9	46	46										
1	514	1500	1337	1342	1513.9	2.481	31.196	-	-	1492	208	34.522						61	
2	6	sfc	1924	1924	2.1	2.611	29.241	-	-			32.383						62	
3																			
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20																			
21																			
22																			
23																			
24																			

Comments:

On Deck Pressure: -1.8
SST (Analog): 2.6

Audio:
Start 1647
Finish 2182

Surface Deck Unit Values:
P -1.6
T 2.675
C 28.318
OXC —
OXT —

Time (GMT):
On 1303
Start Down 1305
At Bottom 1337
Off 1424

Position:
On Deck (start)

/

At Depth
55° 51.8' N
169° 06.4' W

On Deck (finish)

/

Sonic Depth: 2025, 1884
Corr. Depth: 1994, 1978, 1887
Carter's Area: 48, 1868, 1854
MATTHEW'S

Vessel OCEANOGRAPHER	Project FOGI OC-88-#1	CTD S/N 1114	Station Location LINE 9, STA 87	Observers DM & JB & SC	Audio Tape # 5/1	Comp. Tape File 12/13	Cast Depth 1483 db	Deck Unit NB1	Cast # #86
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)	
		Day	Month	Year	Day	Month	Year	Day	Month										
		08655	43.8N	169.18.9W	27	MAR	88	1623	3.5	-	13	5	7	07	42	40	7125	02	
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal.	Oxy.	Btl. #	Btl. #								
1	7 LE	1506	1623	1628	1483.4	2.268	31.307	—	—	1466	2.27	34.489				63	—		
2	8	sfc	1658	1658	1.2	2.295	28.706	—	—			32.042				64	—		
3																			
4																			
5																			
6																			
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19																			
20																			
21																			
22																			
23																			
24																			

Comments:

On Deck Pressure: -4.9
SST (Analog): 2.2

Audio:
Start: ⚡⚡⚡
Finish: ⚡316

Surface Deck Unit Values:
P: 1.4
T: 2.382
C: 28.781
OXC: —
OXT: —

Time (GMT):
On: 1545
Start Down: 1547
At Bottom: 1623
Off: 1658

Position:
On Deck (start)
At Depth
55° 43.8 N
169° 18.9 W
On Deck (finish)

Sonic Depth: 2559
Corr. Depth: 2517, 2502
Carter's Area: 48
MATHEWS

Vessel	Project FOC	CTD S/N	Station Location	Observers	Audio Tape #	Comp. Tape File	Cast Depth	Deck Unit	Cast #
OCEANOGRAPHER	OC-88-#1	1114	LIN 9 , STA 88	JB & SG SM & SC	5/2	12/4	154 ± db	NB 1	#87

CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	GMT	Dry C	Wet C											
		08755	32	.1N	169	31	.8W	27	MAR	882025	-3.2	—	1358	465	8711	1992		
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal. Btl. #	Oxy. Btl. #									
1	7L	156d	2025	2030	1508.2	2.258	31.317	—	—	1488	2.25	34.492			65	—		
2	8	sfc	2055	2055	0.9	2.409	28.950					32.226				66	—	
3																		
4																		
5																		
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16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Added 400 lbs of weight to CTD Rosette

On Deck Pressure: -4.9
SST (Analog): 2.4

Audio:
Start 0331
Finish 4646

Surface Deck Unit Values:
P 0.0
T 2.383
C 28.870
OXC —
OXT —

Time (GMT):
On 1952
Start Down 1953
At Bottom 2025
Off 2056

Position:
On Deck (start)
At Depth 55° 32.1' N
168° 31.8' W
On Deck (finish)

Sonic Depth: 2056, 2023
Corr. Depth: 1992
Carter's Area: 18
MATTHEW'S

Vessel OCEANOGRAPHER	Project POCT OC-EE-#1	CTD S/N 1114	Station Location LINE 10 STA 90	Observers SB & JG	Audio Tape # 5/3	Comp. Tape File 12/5	Cast Depth 1522 db	Deck Unit NB 1	Cast # #88
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	Day	Month	Year	Day	Month									
		088	55	37.4N	169	12.5W	27	MAR	88	2217	-3.2	-	-	1448055267722727				
Pos.	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal.	Oxy.									
1	7	1A	1500	2217	2222	1522.2	2.180	31.265	-	1503	2.15	34.507				67	-	
2	8	sfc	2245	2246	1.0	2.421	28.888	-	-			32.138				68	-	
3																		
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22																		
23																		
24																		

Comments:

On Deck Pressure: -4.9
SST (Analog): 2.3

Audio:
Start 0655
Finish 0941

Surface Deck Unit Values:
P -0.4
T 2.421
C 28.921
OXC —
OXT —

Time (GMT):
On 2142
Start Down 2146
At Bottom 2217
Off 2246

Position:
On Deck (start)

At Depth
55° 37.4' N
169° 42.5' W

On Deck (finish)

Sonic Depth: 2790, 2770
Corr. Depth: 2757, 2727
Carter's Area: 48
MATTHEW'S

Vessel OCEANOGRAPHER	Project FOCY OC-88-1	CTD S/N 114	Station Location Line 10a, Station 89	Observers SB & JG & JB	Audio Tape # 5/4	Comp. Tape File 12/6	Cast Depth 1518 db	Deck Unit NB1	Cast # 089
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD 088	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	Day	Month	Year	Dry C	Wet C									
		089	55	40.6N	169	59.3W	28	MAR	880014	-3.2	-	-	1518	060208	5	12817		
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal. Btl. #	Oxy. Btl. #									
1	7	LE	1500	0014	0019	1517.8	2.190	31.269	—	1501	2.19	34.508			69	—		
2	8	sfc.	0042	0042	2.4	2.436	28.964	—	—			32.214			70	—		
3																		
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22																		
23																		
24																		

Comments:

On Deck Pressure: -5.7
SST (Analog): 2.45

Audio:
Start 0986
Finish 1331

Surface Deck Unit Values:
P -0.8
T 2.441
C 28.994
OXC —
OXT —

Time (GMT):
On 2338
Start Down 2342
At Bottom 0014
Off 0043

Position:
On Deck (start)
At Depth
55° 40.6' N
169° 59.3' W
On Deck (finish)

Sonic Depth: 2850
Corr. Depth: 2817
Carter's Area: 48
Matthew's

Vessel OCEANOGRAPHER	Project POCI OC-88-1	CTD S/N 114	Station Location Line 10, Station 91	Observers JB & JG	Audio Tape # 5/5	Comp. Tape File 13/1	Cast Depth 1509 db	Deck Unit . NB-1	Cast # 090
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)			
		Day	Month	Year	Day	Month	Year	GMT	Dry C										Wet C		
		0 9 0	5 5	4 5. 5	N	1 6 9	3 6. 3	N	2 8	MAR	88	0 2 4	4 - 3. 8	- - . -	1 4 4 7	0 5 0	2 0 8	7	1 2 3 7 2		
Pos.	Niskin Bottle	Nom. Press.	Time	Avg'd Raw (deck unit) CTD Values				Water Sample Data				CTD w/ Prelim. Calibrations				Sal.	Oxy.				
#				P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	θ _c	Btl. #	Btl. #		
1	11	1500	0244	0249	1509.3	2.252	31.309	—	—	1490	2.26	34.492	—	—	—	—	—	71	—		
2	12	PINGER	*trip me*	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
3	1	SFC	0317	0317	-0.7	2.370	28.802	—	—	—	—	32.088	—	—	—	—	—	72	—		
4																					
5																					
6																					
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17																					
18																					
19																					
20																					
21																					
22																					
23																					
24																					
Comments:																					

On Deck Pressure: -4.8
SST (Analog): 2.4

Audio:
Start 1516
Finish 1729

Surface Deck Unit Values:
P -1.3
T 2.396
C 28.863
OXC —
OXT —

Time (GMT):
On 0209
Start Down 0212
At Bottom 0244
Off 0318

Position:
On Deck (start)
At Depth
55° 45.5' N
169° 36.3' W
On Deck (finish)

Sonic Depth: 2430
Corr. Depth: 2300, 2397, 2379, 2372
Carter's Area: 48
Matthew's

Vessel OCEANOGRAPHER	Project FOCI OC-88-1	CTD S/N 114	Station Location Line 10, Station 92	Observers JB & JS	Audio Tape # 5/6	Comp. Tape File 131/2	Cast Depth 1557 db	Deck Unit NB1	Cast # 091
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD 088	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)	
		Day	Month	Year	GMT	Dry C	Wet C												
		091	55	54.4 N	169	30.7 W	28	MAR	88 0458	-4.0	-	-	16470651088711870						
Pos. #	Niskin Bottle	Nom. Press.	Time	Avg'd Raw (deck unit) CTD Values				Water Sample Data		CTD w/ Prelim. Calibrations				Sal. Btl. #	Oxy. Btl. #				
1	5 LE	1500	0458	0503	1557.4	2.192	31.284	—	—	1541	2.20	34.507				73	—		
2	6	5fc	0527	0527	-2.3	2.159	28.729	—	—			32.208				74	—		
3																			
4																			
5																			
6																			
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20																			
21																			
22																			
23																			
24																			

Comments: plotters & audio turned on @ 23m

wire out reading - 1713 @ bottom ; CTD drifted from 1517db → 1557db over 5 min

On Deck Pressure: -4.9
SST (Analog): 2.0

Audio:
Start 1743
Finish 2219

Surface Deck Unit Values:
P -0.8
T 2.080
C 28.656
OXC —
OXT —

Time (GMT):
On 0415
Start Down 0422
At Bottom 0458
Off 0527

Position:
On Deck (start)
At Depth 55° 54.4' N
169° 30.7' W
On Deck (finish)

Sonic Depth: 2121, 2010, 1900
Corr. Depth: 2090, 1979, 1870
Carter's Area: 48
Matthew's

Vessel OCEANOGRAPHER	Project FOCI OC-88-1	CTD S/N 1114	Station Location Line 10, Station 93	Observers SC & JG	Audio Tape # 5/4 (track 2)	Comp. Tape File 13/3	Cast Depth 1530 db	Deck Unit NBI	Cast # 092
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth		Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)		
		Day	Month	Year	Day	Month	Year	Dry C	Wet C	GMT											
		092	55	58.3 N	169	50.5 W	28	MAR	88	0642		17	48	075	20	96	11	502			
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Trip	P	T	C	OXC	OXT	D ₀	T ₀	S ₀	O ₂	P _c	T _c	S _c	O _c	Θ _c	Sal. Btl. #	Oxy. Btl. #	
1	54	1500	0642	0647	1529.6	2.216	31.287	—	—	1508	2.23	34.494							75	—	
2	6	5f	0710	0710	3.2	2.256	28.853	—	—			32.265							76	—	
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																				0606	
11																				0610	
12																				0642	
13																				0710	
14																					
15																					
16																					
17																					
18																					
19																					
20																					
21																					
22																					
23																					
24																					

Comments:

On Deck Pressure: ~5.6
SST (Analog): 2.15

Audio:
Start 0000
Finish 0278

Surface Deck Unit Values:
P -1.5
T 2.288
C 28.897
OXC —
OXT —

Time (GMT):
On 0606
Start Down 0610
At Bottom 0642
Off 0710

Position:
On Deck (start)
At Depth
55° 58.3' N
169° 50.5' W
On Deck (finish)

Sonic Depth: 1528
Corr. Depth: 1354, 1366, 1455, 1555
Carter's Area: 48
Matthew's

1528

1354

1366

1455

1555

Vessel OCEANOGRAPHER	Project FOCI OC-88-1	CTD S/N 1114	Station Location Line 10, station 94	Observers SC & JG	Audio Tape # 5/8 (track 2)	Comp. Tape File 13/4	Cast Depth 399 db	Deck Unit NB-1	Cast # 093
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)		
		Day	Month	Year	Day	Month	Year	Day	Month											
		093	56	01.9	N	169	28.7	W	28	MAR	88	0805	-4.7	.	173	70	70	226		
		0	9	3	5	6	0	1	.9	N	1	6	9	2	8	0	5	-4.7		
Pos. #	Niskin Bottle	Nom. Press.	Time	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal.	Oxy.											
			Depth	Trip	P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	Θ _c	Btl. #	
1	5	sfc	20	0805	0811	398.8	3.851	31.425	—	—	401	3.84	33.536						77	—
2	6	sfc	20	0820	0821	1.0	2.232	28.848	—	—			32.281						78	—
3																				
4																				
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18																				
19																				
20																				
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22																				
23																				
24																				

Comments:

On Deck Pressure: -5.7
SST (Analog): 2.2

Audio:
Start 0293
Finish 0428

Surface Deck Unit Values:
P -1.0
T 2.249
C 28.870
OXC —
OXT —

Time (GMT):
On 0749
Start Down 0754
At Bottom 0805
Off 0821

Position:
On Deck (start)
At Depth
56° 01.9' N
169° 28.7' W
On Deck (finish)

Sonic Depth: 422
Corr. Depth: 405.43
Carter's Area: 48
Matthew's

Vessel OCEANOGRAPHER	Project FOCI OC-88-1	CTD S/N 1114	Station Location Line 10, station 95	Observers SB & DM & JG	Audio Tape # 519 (track 2)	Comp. Tape File 13/5	Cast Depth 635 db	Deck Unit NB1	Cast # 094
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD 088			Time at Depth Day Month Year GMT	Air Temp. Dry C Wet C		Pressure 1017.5 (mbs)	Sea State	Visibility	Wind Direction (T°) 1727	Wind Speed (kts) 0774	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m) 1646
		0 9 4	5 6	0 8.	1 N	1 6 9	2 4.	8 W		8 8	0 9 2 5									
1	5 (E)	8-20	0925	0930	63.5	2.357E	31.617	—	—	637	3.55	—	—	—	—	—	—	—	—	—
2	6	sfc	0943	0944	6.6	2.307	28.936	—	—	—	—	—	—	—	—	—	—	—	—	—
3																				
4																				
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21																				
22																				
23																				
24																				

Comments: Right track on Audio Tape (≈ 220 dB) fell to 20 dB. Tweaked block 41.

On Deck Pressure: -4.8
SST (Analog): 2.2

Audio:
Start 0443
Finish 0551

Surface Deck Unit Values:
P -1.1
T 2.238
C 28.862
OXC —
OXT —

Time (GMT):
On 0805
Start Down ~0910
At Bottom 0925
Off 0944

Position:
On Deck (start)
At Depth 56° 08.1' N
169° 24.8' W
On Deck (finish)

Sonic Depth: 660
Corr. Depth: 648, 646
Carter's Area: 48
Mathew's

Vessel OCEANOGRAPHER	Project FOC OC-88-1	CTD S/N 1114	Station Location Line 10, station 96	Observers DM & SB	Audio Tape # 5/10 (+rock 2)	Comp. Tape File 13/16	Cast Depth 456 db	Deck Unit NBI	Cast # 095
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	Day	Month	Year	Day	Month									
		095	56	13.3	N	169	22.8	W	28	MAR	88	1432	-4.1	17	37	4651	8771	459
Pos. #	Niskin Bottle	Nom. Press.	Time	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal. Btl. #	Oxy. Btl. #									
1	5	B-20	1032	1037	456.4	3.788	31.548	—	—	456	3.79	33.711 33.711				79/80		
2	6	sfc	1047	1047	2.7	2.639	29.281	—	—									
3																		
4																		
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22																		
23																		
24																		

Comments: ① Shallowing during soak. Depth = 468 @ start
Depth = 459 @ finish

② First bottle appeared not to trip. Triggered second at depth.
③ Both tripped at depth.

On Deck Pressure: -1.8
SST (Analog): 2.5

Audio:
Start 0566
Finish 0690

Surface Deck Unit Values:
P -0.4
T 2.608
C 29.268
OXC —
OXT —

Time (GMT):
On 1019
Start Down 1020
At Bottom 1032
Off 1048

Position:
On Deck (start)
At Depth 56° 13.3 N
168° 22.8 W
On Deck (finish)

Sonic Depth: 484, 465
Corr. Depth: 491, 469, 458
Carter's Area: 48
Matthew's

Vessel	Project FOCI	CTD S/N	Station Location	Observers	Audio Tape #	Comp. Tape File	Cast Depth	DECK UNIT	Cast #
OCEANOGRAPHIE	OC-88-01	1114	LINE 10 STA 87	Jung SB	711 (TRACK 2)	13/7	106 db	NB1	926

CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	GMT			Dry C	Wet C									
		09656	21	.2N	169	18	1W	28	MAR	88	1144	4.5	-	1728	47	18	461	131
Pos.	Niskin Bottle	Nom. Press.	Time	Avg'd Raw (deck unit)		CTD Values	Water Sample Data		CTD w/ Prelim. Calibrations		Sal.	Oxy.						
1	5LC	B-2G	1144	1149	106.4	4.072	31.015	—	—	112	4.07	32.974				81	—	
2	6	sfc	1152	1152	2.0	1.392	28.166	—	—			32.287				82	—	
3																		
4																		
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22																		
23																		
24																		

Comments: ① Late start on file tape. Started in water at surface.
Inadvertently hit "B" instead of ~~ee2~~. Corrected it by hitting delete, then ~~ee2~~.

On Deck Pressure: -5.1
SST (Analog): 1.4

Audio:
Start 0705
Finish 0728

Surface Deck Unit Values:
P -2.4
T 1.354
C 28.146
OXC —
OXT —

Time (GMT):
On 1133
Start Down 1138
At Bottom 1144
Off 1153

Position:
On Deck (start)
At Depth 56° 21.2' N
168° 18.1' W
On Deck (finish)

Sonic Depth: 139, 131
Corr. Depth: —
Carter's Area: 48
MATTHEWS

Vessel	Project	CTD S/N	Station Location	Observers	Audio Tape #	Comp. Tape File	Cast Depth	DECK UNIT	Cast #
OCEANOGRAPHER	OC-88-41	1114	LINE 10, STA 28	DW & JR	5/12 (TRACK 2)	10/2	86 db	NBL	427

CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth GMT	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	Dry C			Dry C	Wet C									
		09756	27	.2N 169°14'.7W	28	MAR 88	1236	6	-4.5	1017.0	7	7	6741	8	x	72	0102	
Pos.	Niskin	Nom.	Time	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal.	Oxy.									
#	Bottle	Press.	Depth	Trip	P T C OXC OXT	D _o T _o S _o O ₂	P _c T _c S _c O _c Θ _c	Btl. #	Btl. #									
1	5	100 3-10	1236	1237	85.6 3.356 30.264 - -		32.808								83	-		
2	6	55C	1241	1242	2.3 1.282 29.911 - -		32.113								84	-		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

NO THERM / NO SOAK

On Deck Pressure: -5.5
SST (Analog): 1.2

Audio:
Start 0813
Finish 0864

Surface Deck Unit Values:
P -0.2
T 1.272
C 27.949
OXC --
OXT --

Time (GMT):
On 1231
Start Down 1232
At Bottom 1236
Off 1242

Position:
On Deck (start) /
At Depth 56° 27.2 N
168° 14.7 W
On Deck (finish) /

Sonic Depth: 100, 102
Corr. Depth: --
Carter's Area: 18
Materials

Vessel OCEANOGRAPHER	Project FOCI OC-EE-#1	CTD S/N 1114	Station Location LINE 11, STA. 99	Observers DM & JB	Audio Tape # 5/13 (TRACK 2)	Comp. Tape File 14/1	Cast Depth 86 db	Deck Unit NB 1	Cast # #98
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure 1017.0 (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)					
		Day	Month	Year	Day	Month	Year	Day	Month										Dry C	Wet C			
			#98	56	22.9N	169	47.9W	28	MAR	28	1439	-4.3	—	17	37	47	15	x	72	41	43		
Pos.	Niskin #	Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations				Sal.	Oxy.										
1	7	B-10	1439	1440	85.6	1.432	28.427	—	—	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	θ _c	Btl. #	Btl. #			
2	8	Sfc	1443	1443	1.8	1.537	28.436	—	—			32.513								85	—		
3												32.469								86	—		
4																							
5																							
6																							
7																							
8																							
9																							
10																							
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12																							
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14																							
15																							
16																							
17																							
18																							
19																							
20																							
21																							
22																							
23																							
24																							
Comments: no therm / no soak										Sonic Depth: 103													
										Corr. Depth:													
										Garter's Area: 48													
										Matthew's													

On Deck Pressure: -5.6
SST (Analog): 1.5

Audio:
Start #881
Finish #938

Surface Deck Unit Values:
P -1.3
T 1.556
C 28.455
OXC —
OXT —

Time (GMT):
On 1433
Start Down 1436
At Bottom 1439
Off 1444

Position:
On Deck (start)
At Depth 56° 22.9 N
169° 47.9 W
On Deck (finish)

Sonic Depth: 103
Corr. Depth:
Garter's Area: 48
Matthew's

Vessel	Project	POCT	CTD S/N	Station Location	Observers	Audio Tape #	Comp. Tape File	Cast Depth	DECK UNIT	Cast #
OCEANOGRAFHER	OC-88-01	1114	LINE 11, STA 100	DM & JS	5 1/4 (TRACK-2)	1 1/2		96 db	NB 1	699

CTD Cast Information Field Log

Comments: no therm / no soak

Sonic Depth: 113, 114

Corr. Depth: _____

Carter's Area: 18

MATTHEW'S

Vessel OCEANGRAPHER	Project FOCI OC-88-01	CTD S/N 1114	Station Location LINE 11, STA 101	Observers DM/SB/se	Audio Tape # 5/15 (track 2)	Comp. Tape File 1A/3	Cast Depth 100 d	Deck Unit NBL	Cast # 109										
1011.6																			
CTD Cast Information Field Log																			
Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD 1008	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)	
		Day	Month	Year	GMT	Dry C	Wet C												
100 56	07.8N	169 58.7W	28 MAR	1654	-3.0	—	124	8080	2228	6	14	122							
Pos. #	Niskin Bottle	Nom. Press.	Time	Avg'd Raw (deck unit) CTD Values				Water Sample Data				CTD w/ Prelim. Calibrations				Sal. Btl. #	Oxy. Btl. #		
				P	T	C	OXC	OXT	D _o	T _o	S _o	O ₂	P _c	T _c	S _c	O _c	θ _c		
1	1	B-10	1654	1655	99.5	3.369	30.382	—	—			32.926						89	—
2	—	—	Xtrip met	—	—	—	—	—										—	—
3	3	sfc	1657	1657	8.3	2.136	28.940	—	—			32.478						90	—
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			
Comments: no chum / no soak										Sonic Depth: 122									
										Corr. Depth:									
										Carter's Area: 48									
										Matthew's									

Vessel	Project FOCI	CTD S/N	Station Location	Observers	Audio Tape #	Comp. Tape File	Cast Depth	Deck Unit	Cast #
OCEANOGRAPHER	OC-98-01	1114	LINE 12, STATION III	DM & SB & JG	5/16 (track2)	1415	77 db	N81	101

CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD 088	Time at Depth Day Month Year GMT	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)	
		Deg	Min	Deg	Min			Dry C	Wet C										
		10	156	28	.5 N	170	11	.7 W	28	MAR	88	2357	-4.0	-	-0747	070	3666	6620	107
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal.	Oxy.	Btl. #	Btl. #								
1	11	8-20	2357	2357	76.7 1.746 28.68	— —	32.514								91				
2	—	—	*Trip Mc*	—	— —	—									—				
3	3	SFC	0002 00 03	1.3	1.508 28.430	—	32.481								92				
4																			
5																			
6																			
7																			
8																			
9																			
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18																			
19																			
20																			
21																			
22																			
23																			
24																			
Comments:										Sonic Depth: _____									
file 14/4 is full of garbage - false start										Corr. Depth: 107									
big prop wash										Carter's Area: 48									
										Matthew's									

Vessel OCEANOGRAPHER	Project FOC1 OC-88-1	CTD S/N 1114	Station Location Line 12, station 110	Observers JB&JG	Audio Tape # 5/17(track2)	Comp. Tape File 1416	Cast Depth 89 db	Deck Unit NBI	Cast # 102
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	Day	Month	Year	GMT	Dry C									
		10256	20	.9 N	170	18.3 W	29	MAR	880	105	4.0	--	--	0417	0803	66	810	109
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit) Trip	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal. Btl. #	Oxy. Btl. #									
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
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19																		
20																		
21																		
22																		
23																		
24																		

Comments:

woops — audio & pens turned on @ ~60m — what a zoo!!

NO BOTTLES

On Deck Pressure: 5.5
SST (Analog): 1.8

Audio:
Start 1190
Finish 1211

Surface Deck Unit Values:
P 0.0
T 1.822
C 28.733
OXC _____
OXT _____

Time (GMT):
On 0059
Start Down 0101
At Bottom 0105
Off 0111

Position:
On Deck (start)

At Depth
56° 20.9' N
170° 18.3' W
On Deck (finish)

Sonic Depth: _____
Corr. Depth: 109
Carter's Area: 48
Mathew's

Vessel OCEANOGRAPHER	Project FOCI OC-88-d1	CTD S/N 1114	Station Location Bongo - H22	Observers JB & JG	Audio Tape # 5/18	Comp. Tape File 1418	Cast Depth 509 db	DECK UNIT NB 1	Cast # 103
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)						
		Day	Month	Year	Day	Month	Year	Dry C	Wet C															
		10	3	54	50	.6	N	16	8	03	.1	W	01	APR	88	01	21	-1.7	-	-	0438	300	20	7711905
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit)	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal. Btl. #	Oxy. Btl. #															
1	5	sfc	B-20	0121	0126	509.2	3.487	31.610	—	—	511	3.48	34.016					01						
2	6	sfc	0137	0137	3.7	2.823	29.736	—	—				32.718					02						
3	7	sfc		✓																				
4	8	sfc		✓																				
5	9	sfc		✓																				
6	10	sfc		✓																				
7	11	sfc		✓																				
8	12	sfc		✓																				
9	1	sfc		✓																				
10	2	sfc		✓																				
11	3	sfc		✓																				
12	4	sfc		✓																				
13																								
14																								
15																								
16																								
17																								
18																								
19																								
20																								
21																								
22																								
23																								
24																								

Comments: Changing water in NISKINS - please trip remainder at surface

hand copy of audio turned on @ ~12 m

Some bad spikes (& right in front of the ETs)

On Deck Pressure: 6.8
SST (Analog): 2.75

Audio:
Start 1226
Finish 1306

Surface Deck Unit Values:
P -2.1
T 2.825
C 29.751
OXC —
OXT —

Time (GMT):
On 0105
Start Down 0109
At Bottom 0121
Off 0140

Position:
On Deck (start)

At Depth
54° 50.6' N
168° 03.1' W

On Deck (finish)

Sonic Depth: 1935
Corr. Depth: 1905
Carter's Area: 18
Meters

Vessel OCEANOGRAPHER	Project FOC OC-88-1	CTD S/N 1114	Station Location Bongo Station G22	Observers JM/SB & JG	Audio Tape # 5/19	Comp. Tape File 1A/9	Cast Depth 499 db	DECK UNIT NB 1	Cast # 104
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (T°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)			
		Day	Month	Year	GMT	Dry C	Wet C														
		104	55	16.2	N	168	15.4	W	01	APR	88	09	05	-1	0	05	37	01	01	05	7621762
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit) Trip	CTD Values	P	T	C	OXC	OXT	D _O	T _O	S _O	O ₂	P _C	T _C	S _C	O _C	Θ _C	Sal. Btl. #	Oxy. Btl. #
1	5	500	0905	0916	498.9	3.542	31.609	—	—	—	500	3.56	33.979	—	—	—	—	—	—	3	—
2	6	50	0919	0924	2.2	2.975	29.271	—	—	—	—	—	32.739	—	—	—	—	—	—	4	—
3																					
4																					
5																					
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24																					

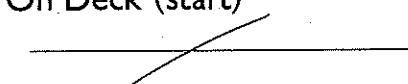
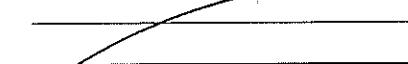
Comments:

On Deck Pressure: -5.3
SST (Analog): 3.0

Audio:
Start 1381
Finish 1553

Surface Deck Unit Values:
P -1.2
T 2.959
C 29.872
OXC —
OXT —

Time (GMT):
On 0817
Start Down 0852
At Bottom 0805
Off 0821

Position:
On Deck (start)

At Depth 55° 01.2' N
168° 15.4' W
On Deck (finish)


Sonic Depth: 1710, 1762
Corr. Depth: 1710, 1762
Carter's Area: 48
Matthew's

Vessel <i>OCEANOGRAPHER</i>	Project FOCI OC-88-phi	CTD S/N 111	Station Location Bongo Station F-22	Observers JM & SB	Audio Tape # 5/20	Comp. Tape File 14/10	Cast Depth 545 d	Deck Unit NB 1	Cast # 105
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)						
		Day	Month	Year	GMT	Dry C	Wet C																	
		1055	16	5N 16E	27	0W	01	APR	88 1451	-0	0	0	5	06	17	01	02	27	07	1731				
Pos.	Niskin Bottle	Nom. Press.	Time Depth	Time Trip	Avg'd Raw (deck unit)	CTD Values	P	T	C	OXC	OXT	D _O	T _O	S _O	O ₂	P _C	T _C	S _C	O _C	Θ _C	Sal.	Oxy.	Btl. #	Btl. #
1	5	500	1051	1056	505.0	3.604	31.637	-	-	504	3.61	33.946									5	-		
2	6	sfc	1104	1104	1.0	3.080	29.830	-	-			32.696									6	-		
3																								
4																								
5																								
6																								
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20																								
21																								
22																								
23																								
24																								

Comments:

On Deck Pressure: ~5.3
SST (Analog): 3.0

Audio:
Start 1068
Finish 1718

Surface Deck Unit Values:
P 0.0
T 3.072
C 29.924
OXC -
OXT -

Time (GMT):
On 1033
Start Down 1039
At Bottom 1051
Off 1105

Position:
On Deck (start)
At Depth 35° 16.5' N
168° 27.0' W
On Deck (finish)

Sonic Depth: 1731
Corr. Depth: 1731
Carter's Area: 48
MATHews

Vessel OCEANOGRAPHER	Project FOCI	CTD S/N 1114	Station Location BORSO STATION H-21	Observers SB & JG	Audio Tape # 5/21	Comp. Tape File 14/11	Cast Depth 514 db	Deck Unit NB 1	Cast # 106
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	GMT	Dry C	Wet C											
		10654	14	.1N	168	24	.9W	01	APR	282148	-4.2	-	1045	330	20	787	2012	
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit) Trip	CTD Values	Water Sample Data	CTD w/ Prelim. Calibrations	Sal.	Oxy.									
1	5	500	2148	2154	513.5	3.454	31.595	—	—	513	3.45	34.042				7	—	
2	6	sfc	2202	2202	0.0	2.780	29.715	—	—			32.574				8	—	
3																		
4																		
5																		
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18																		
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21																		
22																		
23																		
24																		

Comments:

On Deck Pressure: -6.7
SST (Analog): 275

Audio:
Start 1733
Finish 1903

Surface Deck Unit Values:
P -1.1
T 2.821
C 29.784
OXC —
OXT —

Time (GMT):
On 2132
Start Down 2136
At Bottom 2148
Off 2202

Position:
On Deck (start)

At Depth
51° 44.1' N
168° 24.9' W

On Deck (finish)

Sonic Depth: 2043
Corr. Depth: 2012
Garter's Area: 16
MATHEN'S

Vessel OCEANOGRAPHER	Project FOCI OC-88-1	CTD S/N 1114	Station Location Bongo station H2O	Observers SC & JG	Audio Tape # 6/1	Comp. Tape File 15/2	Cast Depth 509 db	Deck Unit NB 1	Cast # 107
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CTD Cast Information Field Log

Every space in this field to be filled at time of cast	Cast #	Latitude		Longitude		Date JD	Time at Depth	Air Temp.		Pressure (mbs)	Sea State	Visibility	Wind Direction (°)	Wind Speed (kts)	Cloud Type	Cloud Amt.	Weather	Bottom Depth (m)
		Day	Month	Year	GMT	Dry C	Wet C											
	107	54	37.0N	168	47.1W	04	APR	88	0426	3.0			1638	312	248	3	11593	
Pos. #	Niskin Bottle	Nom. Press.	Time Depth	Avg'd Raw (deck unit) Trip	CTD Values P T C OXC OXT	Water Sample Data D _o T _o S _o O ₂	CTD w/ Prelim. Calibrations P _c T _c S _c O _c Θ _c	Sal. Btl. #	Oxy. Btl. #									
1	7	sfc	500	0426 0431	508.8 3.520 31.622	— —	511 3.53 34.019								9			
2	8	sfc	508	0438 0438	2.1 3.365 30.168	— —		32.303							10			
3	9	sfc		✓														
4	10	sfc		✓														
5	11	sfc		✓														
6	PINGER	*	trip me*															
7	1	sfc		✓														
8	—	—	*trip me*															
9	3	sfc		✓														
10	4	sfc		✓														
11	5	sfc		✓														
12	6	sfc		✓														
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments:

pen plot is from upcast.

REOPEN cast # 29 32
but 13+
Check MT# 6 file
cast # 50 to check
against RENDER
LOG
31 is OK (5th file
ON MT# 6)
try to find # 32 on MT# 6
33 is OK (1st file
ON MT# 6)

On Deck Pressure: -6.4
SST (Analog): 3.3

Audio:
Start 0000
Finish 0120

Surface Deck Unit Values:
P -3.3
T 3.378
C 30.164
OXC
OXT

Time (GMT):
On 0411
Start Down 0416
At Bottom 0426
Off 0439

Position:
On Deck (start)

At Depth
54° 37.0' N
168° 47.1' W

On Deck (finish)

Sonic Depth: 1620
Corr. Depth: 1593
Carter's Area: 48
Matthew's