

Consec. Cast # 001		Vessel MILLER FREEMAN		Proj. & Leg MF-94-06 Leg II		Event # 11		Vessel Sta. I.D.		Instructions Leg 2		Sta. Designation											
Consec. Cast #	Latitude Deg. Min.		N or S	Longitude Deg. W		E or W	Date JD = 144 Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb	Wet Bulb	Bar. mb 995.5	S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or I.D.
001	57	36	83 N	155	03	73 W	24	M	A	Y	94	01	19	60	54	96	47	060	22	76	2	24	001
CTD Type & SN 91220-A				Monitor Checks				Times JD/Time				Data Location											
Press. SN 26072				on Deck				Data on				Tape/Diskette I.D.											
Temp. SN 701				at Surface				at Surface				File Name/Header											
Cond. SN 303				Press. _____				Start Down 011111				DUB2 : [DATA-LOG]											
FLUOR VMULT = 1.0				Temp. _____				at Bottom 011835				CAST 001-24MAY0109											
				Cond. _____				Start Up				Remarks Mooring sta F9402											
				Other _____				at Surface				246 m wire out											
				Data off																			

Stn	Bot.	T Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	Pos
				Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.			
1	38		235		011850					234.358	4.526	31.020	32.533	0.131				1	
2	25	✓	50	012325	0128					50.275	5.344	31.006	31.819	0.287			06 chl	2	
3	21		30		0129					30.434	5.703	31.251	31.765	0.314			chl	3	
4	26		13		0130					13.178	5.576	30.880	31.475	1.037			chl	4	
5	20		13		0131					13.464	5.571	30.882	31.483	1.065			chl	5	
6	22		13		0131					13.480	5.570	30.884	31.486	1.060			chl	6	
7	23		10		0132					10.468	5.590	30.882	31.466	0.873			chl	7	
8	27		10		0132					10.411	5.588	30.880	31.466	0.946			chl	8	
9	6		10		0132					10.376	5.585	30.879	31.467	0.913			chl	9	
10	2		0		0133					-383	5.586	30.875	31.466	0.665			chl	10	
11																		11	
12																		12	

Initials DMD/WF

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Consec. Cast # 02		Vessel MILLER FREEMAN		Proj. & Leg Log II MF-94-06		Event#		Vessel Sta. I.D.		Instructions										Sta. Designation			
Consec. Cast #	Latitude N or S		Longitude E or W		Date JD = 144			Time GMT		Dry Bulb	Wet Bulb	Bar. mb	S.S.	Vis	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or I.D.		
002	57	40	59	N	155	15	07	W	24	MAY	94	04	47	60	4	89	53	80	90	18	86	293	002
CTD Type & SN 91220-A		Press. SN 26072		Temp. SN 701		Cond. SN 303		FLUOR VMULT = 1.0		Monitor Checks				Times JD/Time		Data Location							
										on Deck		at Surface		Data on 0435		Tape/Diskette I.D.		File Name/Header					
										Press. _____		_____		at Surface _____		_____		CAST 002 - 24 MAY 04 34					
										Temp. _____		_____		at Bottom 0435 30		_____		_____					
										Cond. _____		_____		Start Up 0446		_____		Remarks Mooring Sta F9401					
										Other _____		_____		at Surface _____		_____		318 m wire out 283 max cast depth					
										Data off _____		_____											

Stn	Bot.	T Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	Stn	
				Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.				
1	38		250		0448							251.610	4.430	30.873	32.448	0.122		28		1
2	25		60		0454							61.027	5.559	31.016	31.621	1.009		CHI		2
3	21		50		0454							51.208	5.523	30.954	31.591	0.825		CHI		3
4	26		40		0455							40.803	5.514	30.922	31.569	0.851		CHI		4
5	20		30		0456							31.392	5.515	30.906	31.553	0.802		CHI		5
6	22		20		0457							20.741	5.521	30.885	31.528	0.834		CHI		6
7	23		10		0458							10.344	5.526	30.842	31.480	0.804		CHI		7
8	27		10		0458							10.237	5.526	30.829	31.465	0.856		CHI		8
9	6		10		0458							10.197	5.526	30.816	31.452	0.862		CHI		9
10	2		0		0459							0.944	5.531	30.530	31.128	1.433		CHI		10
11																				11
12																				12

Initials JD/WF

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Consec. Cast # 03		Vessel MILLER FREEMAN		Proj. & Leg MF-94-06 Leg II		Event #		Vessel Sta. I.D.		Instructions										Sta. Designation													
Consec. Cast #		Latitude N or S			Longitude E or W			Date JD = 144			Time GMT		Dry Bulb		Wet Bulb		Bar. mb 798.0		S.S. Vis		Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or I.D.		
003		574280N			1551521W			24 MAY 94			0928		57		49		98		37		085		168		64		293		003				
CTD Type & SN 91220-A				Monitor Checks								Times JD/Time				Data Location																	
Press. SN 26072				on Deck at Surface								Data on				Tape/Diskette I.D. File Name/Header																	
Temp. SN 701				Press. _____								at Surface				CAST 003-24May0914																	
Cond. SN 303				Temp. _____								Start Down																					
FLUOR VMULT = 1.0				Cond. _____								at Bottom																					
				Other _____								Start Up				Remarks Line 8, Fox bl																	
												at Surface				MW = 288 ~ / o = 319																	
												Data off																					
St. Bot.		T Rack		Trip Depth		Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data				Sal. Bot. #		Other Samp.		St. Bot.		Nuts, bott #							
Depth				Depth		Trip		Press.		Temp.		Cond.		Other		Press.		Temp.		Cond.		Sal.		Therm-P		Avg Tw		Sal.					
1				250												251.195		4.516				32.287		0.130				04				1	
* 2		A		200		132:38		1:39								199.328		4.938				32.019		0.156								2	
3				150												148.366		5.469				31.732		0.388								3	
4				100												101.901		5.604				31.631		1.110								4	
5				60												60.948		5.598				31.595		1.260				Chl, MZ				5	
6				50												50.859		5.581				31.589		1.277								6	
7				40												39.078		5.567				31.583		1.197								7	
8				30												29.927		5.556				31.573		1.238								8	
9				20												20.227		5.529				31.538		1.105								9	
10				10												10.616		5.510				31.458		1.066				↓ ↓				10	
11																																11	
12																																12	

* depth during soak was not stable - varied by ± 5 throughout soak time

Consec. Cast # 09		Vessel MILLER FREEMAN		Proj. & Leg MF-94-06 Leg II		Event #		Vessel Sta. I.D.		Instructions										Sta. Designation												
Consec. Cast #		Latitude N or S Deg. Min.			Longitude E or W Deg.			Date JD = 144 Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb		Wet Bulb		Bar. mb 998.2		S.S.	Vis	Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or I.D.	
0045740		65N			1551013W			24MAY94			1133		55		49		99		3	8	0751		7865				283		004			
CTD Type & SN 91220-A				Monitor Checks								Times JD/Time				Data Location																
Press. SN 26072				on Deck at Surface								Data on				Tape/Diskette I.D. File Name/Header																
Temp. SN 701				Press. _____								at Surface _____				CAST004-24May1121																
Cond. SN 303				Temp. _____								Start Down _____																				
FLUOR VMULT = 1.0				Cond. _____								at Bottom _____																				
				Other _____								Start Up _____				Remarks 285 v/o Line 8, For 060																
												at Surface _____				297 max dep																
												Data off _____																				

Stn	Bot.	T Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	Pos
				Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.			
1			250							250.772	4.202		32.386	0.112		13		11	
2			200							201.017	4.697		32.070	0.133				12	
3			150							149.483	5.131		32.015	0.176				13	
4			100							100.055	5.458		31.866	0.252				14	
5			60							60.222	5.497		31.744	0.485				15	
6			50							50.271	5.567		31.736	0.993				16	
7			40							40.460	5.597		31.732	0.235				17	
8			30							30.320	5.636		31.736	1.478				18	
9			20							20.367	5.683		31.724	1.852				19	
10			10							10.331	5.672		31.716	1.691				20	
11																			
12																			

Initials LL/PW

Nuts, bott #

Consec. Cast # 005		Vessel MILLER FREEMAN		Proj. & Leg MF-94-06 Leg II		Event #		Vessel Sta. I.D.		Instructions										Sta. Designation														
Consec. Cast #		Latitude N or S Deg. Min.			Longitude E or W Deg.			Date JD = 144 Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb		Wet Bulb		Bar. mb		S.S.		Vis.		Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or I.D.	
005		573838N			1550431W			24 MAY 94			1231		56		50		993		8080		10862						249		005					
CTD Type & SN 91220-A				Monitor Checks								Times JD/Time				Data Location																		
Press. SN 26072				on Deck at Surface								Data on				Tape/Diskette I.D. File Name/Header																		
Temp. SN 701				Press. _____								at Surface _____				CAST005-24 May 1222																		
Cond. SN 303				Temp. _____								Start Down _____				_____																		
FLUOR VMULT = 1.0				Cond. _____								at Bottom _____				_____																		
				Other _____								Start Up _____				Remarks Line 8, Fox 059																		
												at Surface _____				max = 242 ; w/o = 247																		
				Data off _____																														

Stn. #	Bot.	T Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	Stn. #
				Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.			
1			250									241.120	4.522		32.528	0.127			21
2			200									199.316	3.938		32.265	0.111			22
3			150									150.361	4.774		32.114	0.134			23
4			100									100.586	5.122		31.978	0.171			24
5			60									60.451	5.529		31.836	2.186		cur, m2	25
6			50									50.816	5.558		31.820	1.516			26
7			40									39.326	5.591		31.813	2.368			27
8			30									29.582	5.605		31.809	2.502			28
9			20									19.604	5.621		31.795	2.025			29
10			10									9.799	5.671		31.771	2.284		↓ ↓	30
11																			11
12																			12

Initials LL/PP

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Net, bott #

Consec. Cast # 006		Vessel MILLER FREEMAN		Proj. & Leg MF-94-06 Leg II		Event # 34		Vessel Sta. I.D.		Instructions										Sta. Designation																
Consec. Cast #		Latitude N or S			Longitude E or W			Date JD = 144			Time GMT		Dry Bulb		Wet Bulb		Bar. mb 997.9		S.S.		Vis.		Wind Dir.		Wind Sp.		Cloud		Type		Weath.		Bottom Depth, m		Sta. Name or I.D.	
006		57 36 13 N			155 00 25 W			24 MAY 94			1400		55		47		00		38		070		02		762		229		006							
CTD Type & SN 91220-A				Monitor Checks								Times JD/Time				Data Location																				
Press. SN 26072				on Deck				at Surface				Data on				Tape/Diskette I.D.				File Name/Header																
Temp. SN 701				Press.								at Surface								CAST 006 - 24 May																
Cond. SN 303				Temp.								Start Down																								
FLUOR VMULT = 1.0				Cond.								at Bottom																								
				Other								Start Up								Remarks Line 8, Fox 58																
												at Surface								MAX = 225 ; W/O = 229																
												Data off																								
St. #		Bot.		T Rack		Trip Depth		Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data				Sal. Bot. #		Other Samp.		St. #										
1						250		Depth Trip		Press.		Temp.		Cond.		Other		Press.		Temp.		Cond.		Sal.		Therm-P		Avg Tw		Sal.				Nuts. bott #		
2						200												224.690		4.556				32.558		0.133				22		31				
3						150												198.653		4.321				32.393		0.114						32				
4						100												149.878		4.258				32.143		0.138						33				
5						60												100.171		4.822				32.037		0.146						34				
6						50												60.894		5.538				31.194		1.312				Calc Hz		35				
7						40												50.825		5.600				31.850		1.886						36				
8						30												41.069		5.576				31.837		1.989						37				
9						20												30.035		5.555				31.832		1.669						38				
10						10												19.817		5.565				31.828		1.454						39				
11																		9.759		5.680				31.758		1.291						40				
12																																				

Initials WJPW
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Consec. Cast # <u>007</u>		Vessel MILLER FREEMAN		Proj. & Leg MF-94-06 Leg II		Event # 38		Vessel Sta. I.D.		Instructions										Sta. Designation											
Consec. Cast #	Latitude Deg. Min.		N or S	Longitude Deg.		E or W	Date JD = <u>144</u> Day Mo. Yr.		Time GMT Hr. Min.		Dry Bulb	Wet Bulb	Bar. mb 1000.3	S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or I.D.									
07	57	32	87	N	154	52	34	W	24	MAY	94	15	57	5	3	5	1	0	0	3	8	0	80	1	3	7	6	1	22	2	007
CTD Type & SN <u>91220-A</u>				Monitor Checks				Times JD/Time				Data Location																			
Press. SN <u>26072</u>				on Deck				Data on				Tape/Diskette I.D.																			
Temp. SN <u>701</u>				at Surface				at Surface				File Name/Header																			
Cond. SN <u>303</u>				Press. _____				Start Down				CAST <u>007-24 May 1994</u>																			
FLUOR VMULT = <u>1.0</u>				Temp. _____				at Bottom				Remarks																			
				Cond. _____				Start Up				Line 8, Fox 57																			
				Other _____				Data off				max depth = 217																			
St. #	Bot.	T Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	St. #	Nuts, bott. #											
				Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.															
1			250							216.711	4.636		32.611	0.131			05		1	41											
2		A	200	59:40						203.551	4.427		32.468	0.113					2	42											
3			150							150.125	4.274		32.132	0.125					3	43											
4			100							100.559	4.877		32.057	0.151					4	44											
5			60							60.523	4.900		31.940	0.153				m2 chl	5	45											
6			50							50.092	5.023		31.921	0.173					6	46											
7			40							40.217	5.174		31.904	0.215					7	47											
8			30							30.556	5.614		31.841	0.993					8	48											
9			20							20.752	5.765		31.828	1.603					9	49											
10			10							10.730	5.640		31.719	0.799					10	50											
11																			11												
12																			12												

Initials LL/PW

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Consec. Cast # 008		Vessel MILLER FREEMAN		Proj. & Leg MF-94-06 Leg II		Event #		Vessel Sta. I.D.		Instructions										Sta. Designation														
Consec. Cast #		Latitude N or S Deg. Min.			Longitude E or W Deg.			Date JD = 144 Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb		Wet Bulb		Bar. mb 1001.2		S.S.		Vis.		Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or I.D.	
008		573116N			1544676W			24 MAY 94			1734		56		50		013		8070		11871				208				008					
CTD Type & SN 91220-A				Monitor Checks								Times JD/Time				Data Location																		
Press. SN 26072				on Deck at Surface								Data on				Tape/Diskette I.D. File Name/Header																		
Temp. SN 701				Press. _____								at Surface _____				CAST008-24 May 1994																		
Cond. SN 303				Temp. _____								Start Down _____				_____																		
FLUOR VMULT = 1.0				Cond. _____								at Bottom _____				_____																		
				Other _____								Start Up _____				Remarks Lme 8, Fox 56																		
												at Surface _____				w/o 204																		
				Data off _____																														

Stn. #	Bot.	T Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	Stn. #
				Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.			
1			250															1	
2			200							204.359	4.426		32.520	0.120			33	2	
3			150							149.500	3.783		32.219	0.122				3	
4			100							100.593	4.568		32.074	0.125				4	
5			60							60.701	4.876		31.971	0.163			Core M2	5	
6			50							50.696	5.041		31.963	0.189				6	
7			40							40.615	5.110		31.915	0.217				7	
8			30							30.639	5.330		31.886	0.397				8	
9			20							20.657	5.494		31.785	0.504				9	
10			10							10.577	5.517		31.725	0.633			↓ ↓	10	
11																		11	
12																		12	

Initials LL/PW

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Nuts, bott #

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Consec. Cast # 009		Vessel MILLER FREEMAN		Proj. & Leg MF-94-06 leg II		Event # 291		Vessel Sta. I.D.		Instructions										Sta. Designation 086-1																																
Consec. Cast #	Latitude N or S			Longitude E or W			Date JD = 148			Time GMT		Dry Bulb	Wet Bulb	Bar. mb 1007.9	SS	Vis	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or I.D.																													
	Deg.	Min.	S	Deg.		W	Day	Mo.	Yr.	Hr.	Min.																																									
009	5	5	4	2	5	N	1	5	5	9	7	3	W	2	8	M	A	Y	9	4	2	3	4	4	0	6	3	0	5	6	0	8	4	8	3	0	0	1	7	3	3	1			8	0						
CTD Type & SN 91220-A				Monitor Checks								Times JD/Time				Data Location																																				
Press. SN 26072				on Deck				at Surface				Data on				Tape/Diskette I.D.				File Name/Header																																
Temp. SN 701				Press. _____				_____				at Surface _____				_____				CAST 009-28 MAY 2339																																
Cond. SN 303				Temp. _____				_____				at Bottom _____				_____				_____																																
FLUOR VMULT = 1.0				Cond. _____				_____				Start Up _____				_____				Remarks Line 17 FOX Sta 152 (113 m)																																
_____				Other _____				_____				at Surface _____				_____				max depth 77m w/o = 79m																																
Pos.	Bot.	T Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	St																																	
				Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.																																				
1	38		MAX	77	2343								75.414	5.711	31.651	32.187	0.778		09	Nut 2108	1																															
2	25	✓	60	234430	2349								59.981	5.710	31.640	32.182	0.772			Chl, MZ Nut = 2107	2																															
3	21		50		2350								51.069	5.710	31.632	32.177	0.760			Chl, MZ Nut = 2106	3																															
4	26		40		2351								41.736	5.714	31.626	32.171	0.791			Chl, MZ Nut = 2105	4																															
5	20		30		2351								31.221	5.724	31.623	32.164	0.861			Chl, MZ Nut = 2104	5																															
6	22		20		2352								20.351	5.743	31.632	32.161	1.090			Chl, MZ Nut = 2103	6																															
7	23		10		2352								10.644	5.854	31.724	32.163	1.074			Chl, MZ Nut = 2102	7																															
8	27		—																		8																															
9	6		—																		9																															
10	2		—																		10																															
11																					11																															
12																					12																															

Initials DD/WF

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Consec. Cast # 010		Vessel MILLER FREEMAN		Proj. & Leg MF-94-06 leg II		Event # 294		Vessel Sta. I.D.		Instructions										Sta. Designation 087-1														
Consec. Cast #		Latitude N or S			Longitude E or W			Date JD = 149 Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb		Wet Bulb		Bar. mb 1007.1		S.S.		Vis.		Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or I.D.	
010		55 55 13 N			156 10 70 W			29 MAY 94			01 00		06 06		05 07		07 03		8 28		01 85		31				194							
CTD Type & SN 91220-A				Monitor Checks								Times JD/Time				Data Location																		
Press. SN 26072				on Deck at Surface								Data on				Tape/Diskette I.D. File Name/Header																		
Temp. SN 701				Press. _____								at Surface _____				CAST 010-29MAY0052																		
Cond. SN 303				Temp. _____								Start Down 0053																						
FLUOR VMULT = 1.0				Cond. _____								at Bottom 0059																						
				Other _____								Start Up _____				Remarks Line 17 FOX Sta 153 (183 m)																		
												at Surface _____				max cast depth 191 m wire out 195																		
Data off _____																																		

St. #	Bot.	T Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	St. #
				Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.			
1	38		MAX		0100						190.713	5.219	32.047	33.056	0.154			Net 1417	1
2	25		150		0101						148.946	4.802	31.303	32.633	0.122		30	Net 1416	2
3	21		100		0103						101.244	4.117	30.284	32.143	0.139			Net 1415	3
4	26		60		0104						59.772	5.730	31.679	32.208	0.307			Chl MZ Net = 1414	4
5	20		50		0104						49.367	5.922	31.820	32.189	0.299			Chl MZ Net = 1413	5
6	22		40		0105						39.069	6.321	32.145	32.176	0.335			Chl MZ Net = 1412	6
7	23		30		0106						29.001	6.491	32.276	32.166	0.307			Chl MZ Net = 1411	7
8	27		20		0106						19.824	6.381	32.094	32.072	0.991			Chl MZ Net = 1410	8
9	6		10		0107						9.994	5.839	31.371	31.782	3.830			Chl MZ Net = 1409	9
10	2		—																10
11																			11
12																			12

Initials DD/WF



Consec. Cast # 011		Vessel MILLER FREEMAN		Proj. & Leg MF-94-06 Leg II		Event # 296		Vessel Sta. I.D.		Instructions										Sta. Designation 088-1					
Consec. Cast #	Latitude Deg. Min. N or S		Longitude Deg. E or W		Date JD = 149 Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb	Wet Bulb	Bar. mb	* S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or I.D.				
011	55	54	44	N	156	14	88	W	29	MAY	94	01	57	06	6	05	7	07	38	28	01	87	31	220	
CTD Type & SN 91220-A			Monitor Checks						Times JD/Time				Data Location												
Press. SN 26072			on Deck at Surface						Data on 0149				Tape/Diskette I.D. File Name/Header												
Temp. SN 701			Press. _____						at Surface _____				CAST 011-29MAY0148												
Cond. SN 303			Temp. _____						Start Down 0149				_____												
FLUOR VMULT = 1.0			Cond. _____						at Bottom 0157				_____												
			Other _____						Start Up _____				Remarks Line 17 - FOX Sta 154 (210m)												
									at Surface _____				max cast depth 219 wire out = 220												
			Data off _____																						

Pos.	Bot.	T Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	Pos.
				Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.			
1	38		200		0157							200.428	5.310	32.295	33.245	0.138		Not 1426	1
2	25	✓	150	015925	0204							150.386	4.872	31.318	32.582	0.155		3 Not 1425	2
3	21		100		0206							99.873	5.346	31.439	32.285	0.255		Not 1424	3
4	26		60		0207							61.502	4.188	30.210	32.006	0.154		Chl MZ Not = 1423	4
5	20		50		0208							50.849	5.081	31.015	32.080	0.260		Chl MZ Not = 1422	5
6	22		40		0208							40.761	5.027	30.901	32.006	0.357		Chl MZ Not = 1421	6
7	23		30		0209							31.078	5.624	31.278	31.870	1.524		Chl MZ Not = 1420	7
8	27		20		0209							21.126	5.820	31.389	31.814	1.578		Chl MZ Not = 1419	8
9	6		10		0210							10.737	5.702	31.172	31.688	0.540		Chl MZ Not = 1418	9
10	2		-																10
11																			11
12																			12

Initials WF / DD

* bridge watch estimates don't seem correct,
these are JD observations, same on two previous casts

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Consec. Cast # 012		Vessel MILLER FREEMAN		Proj. & Leg MF-94-06 Leg II		Event # 298		Vessel Sta. I.D.		Instructions										Sta. Designation 089-1												
Consec. Cast #		Latitude N or S			Longitude E or W			Date JD - 149 Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb		Wet Bulb		Bar. mb 1007.1		S.S.	Vis.	Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or I.D.	
012		555601N			1562106W			29 MAY 94			0305		065		057		070		4	8	285		187		31		228					
CTD Type & SN 91220-A				Monitor Checks								Times JD/Time				Data Location																
Press. SN 26072				on Deck at Surface								Data on 0257				Tape/Diskette I.D. File Name/Header																
Temp. SN 701				Press. _____								at Surface _____				CAST 012 - 29 MAY 0257																
Cond. SN 303				Temp. _____								Start Down 0258				_____																
FLUOR VMULT = 1.0				Cond. _____								at Bottom 0304				_____																
				Other _____								Start Up _____				Remarks Line 17 - FOX Sta 155 (210 m)																
												Data off 0304				max cast depth: 219 wire out = 220																

Pos.	Bot.	T Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	S.O.			
				Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.						
1	38		200		0305								200.557	5.252	32.075	33.052	0.119			01	Not 1435	1
2	25		150		0307								151.042	5.398	31.483	32.260	0.303				Not 1434	2
3	21		100		0308								101.051	4.387	30.375	31.986	0.136				Not 1433	3
4	26		60		0310								61.168	4.621	30.453	31.871	0.147				Chl MZ Not = 1432	4
5	20		50		0310								51.188	4.702	30.475	31.822	0.195				Chl MZ Not = 1431	5
6	22		40		0311								40.726	4.784	30.505	31.785	0.266				Chl MZ Not = 1430	6
7	23		30		0311								29.964	4.819	30.524	31.778	0.327				Chl MZ Not = 1429	7
8	27		20		0312								21.112	4.929	30.614	31.781	0.296				Chl MZ Not = 1428	8
9	6		10		0312								10.627	5.190	30.822	31.775	0.289				Chl MZ Not = 1427	9
10	2		-																			10
11																						11
12																						12

Initials WF/DD



Consec. Cast # 013			Vessel MILLER FREEMAN			Proj. & Leg MF-94-06 Leg II			Event# 300			Vessel Sta. I.D.			Instructions										Sta. Designation 090-1									
Consec. Cast #		Latitude N or S			Longitude E or W			Date JD = 149			Time GMT		Dry Bulb		Wet Bulb		Bar. mb		S.S.		Vis.		Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or I.D.	
013		55 56 43 N			156 25 94 W			29 MAY 94			04 01		06 6		05 6		07 4		83		00		01 4		66		1		205					
CTD Type & SN 91220-A				Monitor Checks								Times JD/Time				Data Location																		
Press. SN 26072				on Deck at Surface								Data on 0353				Tape/Diskette I.D. File Name/Header																		
Temp. SN 701				Press. _____								at Surface _____				CAST 013-29 MAY 0353																		
Cond. SN 303				Temp. _____								Start Down 0354				_____																		
FLUOR VMULT = 1.0				Cond. _____								at Bottom 0401				_____																		
				Other _____								Start Up _____				Remarks Line 17 - FOX Sta 156 (210m)																		
												Data off 0401				may cast depth: 202 wire out: 201																		

Stn. No.	Bot. Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	Stn. No.
			Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.			
1	38	200		0401					201.645	5.278	32.323	33.308	0.141				Not 1444	1
2	25	150		0402					151.397	4.377	30.350	31.942	0.159				Not 1443	2
3	21	100		0404					100.913	4.664	30.459	31.817	0.212		17	Not 1442	3	
4	26	60		0405					60.485	4.774	30.514	31.794	0.279			Chl MZ Not 1441	4	
5	20	50		0406					51.150	4.780	30.511	31.790	0.308			Chl MZ Not 1440	5	
6	22	40		0407					41.212	4.814	30.526	31.779	0.283			Chl MZ Not 1439	6	
7	23	30		0407					30.899	4.856	30.546	31.768	0.319			Chl MZ Not 1438	7	
8	27	20		0408					21.200	5.138	30.763	31.752	0.371			Chl MZ Not 1437	8	
9	6	10		0409					10.343	5.608	31.120	31.718	0.396			Chl MZ Not 1436	9	
10	2	-															10	
11																	11	
12																	12	

Initials DD/WF



Consec. Cast # 014		Vessel MILLER FREEMAN		Proj. & Leg MF-94-06 Leg II		Event # 302		Vessel Sta. I.D.		Instructions										Sta. Designation 091-1													
Consec. Cast #	Latitude N or S			Longitude E or W			Date JD = 149			Time GMT		Dry Bulb		Wet Bulb		Bar. mb 1006.7		S.S.		Vis.		Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or I.D.	
014	55	57	32 N	156	30	95 W	29	MAY	94	04	56	07	0	0	57	0	7	4	8	3	2	0	1	8	7	6	1		196				
CTD Type & SN 91220-A				Monitor Checks								Times JD/Time				Data Location																	
Press. SN 26072				on Deck				at Surface				Data on				Tape/Diskette I.D.						File Name/Header											
Temp. SN 701				Press. _____				_____				at Surface _____				_____						CAST 014-29 MAY 0449											
Cond. SN 303				Temp. _____				_____				at Bottom 0456				_____						_____											
FLUOR VMULT = 1.0				Cond. _____				_____				Start Up _____				Remarks Line 17 - FOX Sta 157 (201 m)						max cast depth 189 wire out 190											
Other _____				_____				_____				Data off _____				_____						_____											
Pos.	Bot.	T Rack	Trip	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal.	Other	Pos.														
			Depth	Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.	Bot. #	Samp.															
1	38		MAX		0456					189.438	4.209	30.307	32.035	0.142				Not 1453	1														
2	25		150		0458														2														
3	21		150	045800	0503					149.673	4.543	30.451	31.900	0.157			29	Not 1452	3														
4	26		100		0504					100.210	4.836	30.618	31.835	0.168				Not 1451	4														
5	20		60		0505					60.981	4.856	30.562	31.770	0.173				Chl MZ Not 1450	5														
6	22		50		0506					50.591	4.956	30.623	31.750	0.190				Chl MZ Not 1449	6														
7	23		40		0507					41.056	5.057	30.699	31.746	0.195				Chl MZ Not 1448	7														
8	27		30		0507					30.650	5.148	30.752	31.725	0.232				Chl MZ Not 1447	8														
9	6		20		0508					20.821	5.290	30.831	31.685	0.303				Chl MZ Not 1446	9														
10	2		10		0508					9.943	5.783	31.180	31.620	0.682				Chl MZ Not 1445	10														
11																			11														
12																			12														

two bottles tripped at 150m : one at start of 5 min. soak
one at end of 5 min soak - only this one has log file entry

Initials DD/WF

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Consec. Cast # 015			Vessel MILLER FREEMAN			Proj. & Leg MF-94-06 Leg II			Event # 304			Vessel Sta. I.D.			Instructions										Sta. Designation 092-1						
Consec. Cast #		Latitude N or S			Longitude E or W			Date JD = 149 Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb		Wet Bulb		Bar. mb 1006.2		S.S.	Vis.	Wind Dir.		Wind Sp.		Cloud	Type	Weath.	Bottom Depth, m		Sta. Name or I.D.	
015		555823N			1563808W			29 MAY 94			0600		0605		0505		0647		31	0197	66		188								
CTD Type & SN 91220-A					Monitor Checks on Deck at Surface					Times JD/Time Data on 0553 at Surface Start Down 0554 at Bottom 0600 Start Up 0600 at Surface Data off 0600					Data Location Tape/Diskette I.D. File Name/Header CAST 015-29MAY 0553 Remarks Line 17 FOX Sta 158 (183m) max cast depth: 185 wire out: 190																
Press. SN 26072																															
Temp. SN 701					Press. _____																										
Cond. SN 303					Temp. _____																										
FLUOR VMULT = 1.0					Cond. _____																										
Other _____																															

Stn	Bot.	T Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	Stn	
				Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.				
1	38		MAX		0600							185.318	4.408	30.602	32.188	0.158			Not 162	1
2	25	✓	150	0601.35	0607							149.754	4.499	30.450	31.941	0.215			Not 161	2
3	21		100		0609							101.438	4.769	30.559	31.831	0.365			Not 160	3
4	26		60		0610							60.772	4.919	30.618	31.775	0.384			Chl MZ Not 159	4
5	20		50		0611							50.575	5.073	30.712	31.741	0.457			Chl MZ Not 158	5
6	22		40		0612							40.790	5.100	30.725	31.735	0.484			Chl MZ Not 157	6
7	23		30		061							30.618	5.099	30.720	31.736	0.482			Chl MZ Not 156	7
8	27		20		0613							20.335	5.141	30.745	31.729	0.502			Chl MZ Not 155	8
9	6		10		0614							9.190	5.152	30.747	31.727	0.517			Chl MZ Not 1454	9
10	2		—																	10
11																				11
12																				12

Initials DD / WF

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Consec. Cast # 016			Vessel MILLER FREEMAN			Proj. & Leg MF-94-06 Leg II			Event # 343			Vessel Sta. I.D.			Instructions										Sta. Designation 097-1										
Consec. Cast #		Latitude N or S			Longitude E or W			Date JD = 149			Time GMT		Dry Bulb		Wet Bulb		Bar. mb		S.S.		Vis.		Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or I.D.		
016		561807 N			1564803 W			29 MAY 94			2135		0506		0440		0648		3052		6331						103								
CTD Type & SN 91220-A				Monitor Checks								Times JD/Time				Data Location																			
Press. SN 26072				on Deck at Surface								Data on				Tape/Diskette I.D. File Name/Header																			
Temp. SN 701				Press. _____								at Surface 2130				_____ CAST 016 - 29 MAY 2130																			
Cond. SN 303				Temp. _____								Start Down 2131				_____																			
FLUOR VMULT = 1.0				Cond. _____								at Bottom 2134				_____																			
				Other _____								Start Up 2135				Remarks Line 16 FOX Sta 147 (99m)																			
												at Surface				may cast depth 100 wire out 101																			
				Data off																															
Pos.		Bot.		T Rack		Trip Depth		Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data				Sal. Bot. #		Other Samp.		Pos.									
Depth		Trip		Depth		Trip		Press.		Temp.		Cond.		Other		Press.		Temp.		Cond.		Sal.		Therm-P		Avg Tw		Sal.							
1		38				100		2134 2134								100.369		4.476		30.260		31.766		0.211						16		Not 1469		1	
2		25		✓		60		213610 2141								61.232		4.964		30.588		31.698		0.182								Chl MZ Not 1468		2	
3		21				50		2142								50.087		5.430		30.896		31.613		0.375								Chl MZ Not 1467		3	
4		26				40		2142								40.611		5.562		31.002		31.612		0.460								Chl MZ Not 1466		4	
5		20				30		2143								29.359		5.582		31.014		31.613		0.472								Chl MZ Not 1465		5	
6		22				20		2144								20.340		5.590		31.017		31.614		0.460								Chl MZ Not 1464		6	
7		23				10		2144								11.294		5.616		31.036		31.615		0.375								Chl MZ Not 1463		7	
8		27				-																												8	
9		6				-																												9	
10		2				-																												10	
11																																		11	
12																																		12	

Initials DD/WF

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Consec. Cast # 017		Vessel MILLER FREEMAN		Proj. & Leg MF-94-06 Leg II		Event # 3416		Vessel Sta. I.D.		Instructions										Sta. Designation 098-1																
Consec. Cast #	Latitude N or S Deg. Min.		Longitude E or W Deg.		Date JD = 149 Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb	Wet Bulb	Bar. mb 1007.1	SS	Vis.	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or I.D.															
017	56	21	59	N	156	52	10	W	29	MAY	94	22	45	05	4	0	4	2	0	7	4	8	3	0	5	2	8	3	3	1	12	9				
CTD Type & SN 91220-A		Press. SN 26072		Temp. SN 701		Cond. SN 303		FLUOR VMULT = 1.0		Monitor Checks on Deck at Surface				Times JD/Time Data on 2240 at Surface Start Down 2241 at Bottom 2245 Start Up 2245 at Surface Data off				Data Location Tape/Diskette I.D. File Name/Header CAST 017 - 29 MAY 2240 Remarks Line 16 - FOX Sta 148 (102 m) Max Cast Depth: 127 wire out 127																		
St. #	Bot.	T Rack	Trip Depth	Time @ Depth Trip		Monitor Values Press. Temp. Cond. Other				Conv. Mon. Values-CTD Press. Temp. Cond. Sal.				Sample Bot. Data Therm-P Avg Tw Sal.			Sal. Bot. #	Other Samp.	St. #																	
1	21		100		2246								99.787	4.420	30.218	31.772	0.207			17	Not 199	1														
2	26		60		2247								60.224	4.607	30.329	31.741	0.186				Chl MZ Not 198	2														
3	20		50		2248								51.411	4.861	30.505	31.706	0.197				Chl MZ Not 197	3														
4	22		40		2249								41.267	4.990	30.593	31.689	0.221				Chl MZ Not 196	4														
5	23		30		2249								29.991	5.429	30.919	31.649	0.392				Chl MZ Not 195	5														
6	27		20		2250								20.910	5.581	31.035	31.642	0.477				Chl MZ Not 194	6														
7	6		10		2250								10.502	5.619	31.062	31.642	0.324				Chl MZ Not 193	7														
8	2		—																			8														
9																						9														
10																						10														
11																						11														
12																						12														

Initials DD/WF

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Consec. Cast # 018		Vessel MILLER FREEMAN		Proj. & Leg MF-94-06 Leg II		Event # 349		Vessel Sta. I.D.		Instructions										Sta. Designation 099-1								
Consec. Cast #	Latitude Deg. Min.		N or S	Longitude Deg.		E or W	Date JD - 149 Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb		Wet Bulb		Bar. mb 1007.0		S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud	Type	Weather	Bottom Depth, m		Sta. Name or I.D.	
018	56	24	11	N	156	54	54	W	29	MAY	94	23	44	05	0	03	8	07	4	8	30	53	02	31		117		
CTD Type & SN 91220-A				Monitor Checks								Times JD/Time				Data Location												
Press. SN 26072				on Deck at Surface								Data on 2339				Tape/Diskette I.D. File Name/Header												
Temp. SN 701				Press. _____								at Surface _____				CAST 018-29MAY2338												
Cond. SN 303				Temp. _____								Start Down 2340				_____												
FLUOR VMULT = 1.0				Cond. _____								at Bottom 2344				_____												
				Other _____								Start Up _____				Remarks Line 16 - FOX Sta 149 (110 m)												
												Data off _____				Max Cast Depth: 112 wire out: 125												

Stn. No.	Bot. Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	Stn. No.
			Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.			
1	21	100		2345					100.745	4.159	30.019	31.791	0.148			11	Net 206	1
2	26	60		2346					61.234	4.337	30.132	31.771	0.172				Chl MZ Net 205	2
3	20	50		2347					48.652	4.742	30.411	31.712	0.252				Chl MZ Net 204	3
4	22	40		2348					41.076	5.086	30.676	31.692	0.350				Chl MZ Net 203	4
5	23	30		2348					30.675	5.420	30.924	31.664	0.362				Chl MZ Net 202	5
6	27	20		2349					19.425	5.520	31.006	31.667	0.326				Chl MZ Net 201	6
7	6	10		2350					10.331	5.517	31.000	31.668	0.261				Chl MZ Net 200	7
8	2	—																8
9																		9
10																		10
11																		11
12																		12

Initials WF/DD

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Consec. Cast # 019		Vessel MILLER FREEMAN		Proj. & Leg MF9406 Leg II		Event # 351		Vessel Sta. I.D.		Instructions										Sta. Designation 100-1																			
Consec. Cast #		Latitude Deg. Min.		N or S		Longitude Deg.		E or W		Date JD = 150 Day Mo. Yr.		Time GMT Hr. Min.		Dry Bulb		Wet Bulb		Bar. mb 1006.9		S.S.		Vis.		Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or I.D.					
019		5626		56		N		15657		22		W		30		MAY		94		00		36		05		2		03		8		07		48		30530331		101	
CTD Type & SN 91220-A				Press. SN 26072				Temp. SN 701				Cond. SN 303				Monitor Checks on Deck at Surface				Times JD/Time Data on 0032 at Surface 0031 Start Down 0032 at Bottom 0036 Start Up at Surface Data off				Data Location Tape/Diskette I.D. File Name/Header CAST 019-30MAY 0031 Remarks Line 16 - FOX Sta 150 (91 m) Max. Cast Depth 94 Wire out 94															
St. No.		Bot.		T Rack		Trip Depth		Time @ Depth Trip		Monitor Values Press. Temp. Cond. Other				Conv. Mon. Values-CTD Press. Temp. Cond. Sal.				Sample Bot. Data Therm-P Avg Tw Sal.				Sal. Bot. #		Other Samp.		Pos													
1		21		✓		85		003645 0041						85.544 5.229 30.829 31.710				0.261				21		Nwt 213		1													
2		26				60		0042						61.397 5.312 30.876 31.695				0.276						Chl MZ Nwt 212		2													
3		20				50		0043						49.937 5.340 30.894 31.695				0.283						Chl MZ Nwt 211		3													
4		22				40		0044						39.878 5.486 30.989 31.670				0.368						Chl MZ Nwt 210		4													
5		23				30		0044						29.713 5.732 31.168 31.645				0.493						Chl MZ Nwt 209		5													
6		27				20		0045						20.341 5.746 31.159 31.627				0.486						Chl MZ Nwt 208		6													
7		6				10		0045						10.522 5.725 31.123 31.610				0.361						Chl MZ Nwt 207		7													
8		2				—																				8													
9																										9													
10																										10													
11																										11													
12																										12													

Initials WF/DD

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Consec. Cast # 020		Vessel MILLER FREEMAN		Proj. & Leg MF 9406 - Leg II		Event # 353		Vessel Sta. I.D.		Instructions										Sta. Designation 101-1									
Consec. Cast #		Latitude N or S		Longitude E or W		Date JD = 150 Day Mo. Yr.		Time GMT Hr. Min.		Dry Bulb		Wet Bulb		Bar. mb 1007.0		S.S. Vis.		Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or I.D.	
020		562981N		1565992W		30 MAY 94		0136		068		044		074		8320		284		31				49					
CTD Type & SN 91220-A				Monitor Checks				Times JD/Time				Data Location																	
Press. SN 26072				on Deck at Surface				Data on 0132				Tape/Diskette I.D. File Name/Header																	
Temp. SN 701				Press. _____				at Surface 0132				_____ CAST 020 - 30 MAY 0132																	
Cond. SN 303				Temp. _____				Start Down 0133				_____																	
_____				Cond. _____				at Bottom 0135				_____																	
_____				Other _____				Start Up _____				Remarks Line 16 - FOX Sta 151 (44m)																	
_____				_____				at Surface _____				Max cast depth: 47 wire out: 47																	
_____				_____				Data off _____				_____																	
Stn. No.		T Rack		Trip Depth		Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data				Sal. Bot. #		Other Samp.		Pos.					
Bot.		Depth		Depth Trip		Press. Temp. Cond. Other		Press. Temp. Cond. Sal.		Therm-P Avg Tw Sal.																			
1																													
2																													
3		21		MAX		0135		46.805 5.334 30.800 31.596		0.356				32		Nut 218		3											
4		26		40		0135		39.869 5.360 30.816 31.593		0.366						Chl MZ Nut 217		4											
5		20		30		0136		29.417 5.420 30.852 31.583		0.384						Chl MZ Nut 216		5											
6		22		20		0140		19.932 5.477 30.877 31.562		0.367						Chl MZ Nut 215		6											
7		23		10		0140		10.172 5.479 30.875 31.562		0.291						Chl MZ Nut 214		7											
8		27		-														8											
9		6		-														9											
10		2		-														10											
11																		11											
12																		12											

Initials WF/DD



Consec. Cast # 021			Vessel MILLER FREEMAN			Proj. & Leg MF9406 Leg II			Event # 355			Vessel Sta. I.D.			Instructions										Sta. Designation 102-1						
Consec. Cast #		Latitude N or S Deg. Min.			Longitude E or W Deg.			Date JD = 150 Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb		Wet Bulb		Bar. mb 1007.2		S	Vis	Wind Dir.		Wind Sp.		Cloud	Type	Weath.	Bottom Depth, m		Sta. Name or I.D.	
021		562702N			1565872W			30 MAY 94			0231		049		038		074		8	3	052		226		3	1	80				
CTD Type & SN 91220-A					Monitor Checks on Deck at Surface					Times JD/Time Data on 0228 at Surface 0227 Start Down 0229 at Bottom 0231 Start Up at Surface Data off					Data Location Tape/Diskette I.D. File Name/Header CAST021-30MAY0228 Remarks Mooring F9443 Recovery Max cast depth: 77 Wire out 79																
Press. SN 26072																															
Temp. SN 701					Press. _____					Start Down _____					_____																
Cond. SN 303					Temp. _____					at Bottom _____					_____																
Fluorometer Volt x 1.0					Cond. _____					Start Up _____					_____																
_____					Other _____					Data off _____					_____																

Stn	Bot.	T Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	Pos
				Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.			
1	38		75		0232					73.696	5.314	30.847	31.655	0.317			Not 225	1	
2	25	✓	60	023250	0238					60.947	5.392	30.904	31.653	0.352			Chl Not 224	2	
3	21		45		0239					46.333	5.435	30.935	31.654	0.366			Chl Not 223	3	
4	26		30		0239					30.378	5.578	31.034	31.639	0.444			Chl Not 222	4	
5	20		20		0240					20.525	5.738	31.147	31.620	0.508			Chl Not 221	5	
6	22		10		0241					11.026	5.752	31.153	31.619	0.505			chl	6	
7	23		10		0241					10.157	5.753	31.153	31.619	0.489			Chl	7	
8	27		10		0241					10.223	5.750	31.151	31.619	0.466			Chl Not 220	8	
9	6		0		0242					0.586	5.748	31.145	31.619	0.342			Chl Not 219	9	
10	2		—															10	
11																		11	
12																		12	

Initials WF/DD

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Consec. Cast # 23		Vessel MILLER FREEMAN		Proj. & Leg MF9406 Leg II		Event # 399		Vessel Sta. I.D.		Instructions										Sta. Designation 115-1									
Consec. Cast #		Latitude N or S Deg. Min.		Longitude E or W Deg.		Date JD = 150 Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb		Wet Bulb		Bar. mb 1006.5		S.S.	Vis.	Wind Dir.		Wind Sp.		Cloud Type		Weath.	Bottom Depth, m		Sta. Name or I.D.	
023		564001N		1560606W		30MAY94			2244		05		003		006		28	130	06		26		1	265					
CTD Type & SN 91220-A				Monitor Checks on Deck at Surface						Times JD/Time Data on 2234 at Surface 2234 Start Down 2235 at Bottom 2243 Start Up 2244 at Surface Data off				Data Location Tape/Diskette I.D. File Name/Header CAST 023-30MAY 2234															
Press. SN 26072																													
Temp. SN 701				Press. _____										Remarks Max cast depth: 262 m Wire out: 265															
Cond. SN 303				Temp. _____																									
Fluorometer volt x 1.0				Cond. _____																									
_____				Other _____																									
St. No.	Bot.	T Rack	Trip Depth	Time @ Depth Trip		Monitor Values Press. Temp. Cond. Other				Conv. Mon. Values-CTD Press. Temp. Cond. Sal.				Sample Bot. Data Therm-P Avg Tw Sal.			Sal. Bot. #	Other Samp.	Pos.										
1																			1										
2																			2										
3																			3										
4		✓		224435 2249						248.569 5.055 31.815 32.923				0.116			02		4										
5																			5										
6																			6										
7																			7										
8																			8										
9																			9										
10																			10										
11																			11										
12																			12										

Initials DD / WF
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Consec. Cast # 024		Vessel MILLER FREEMAN		Proj. & Leg MF9406 Leg II		Event # 402		Vessel Sta. I.D.		Instructions										Sta. Designation 116-1																			
Consec. Cast #		Latitude Deg. Min.		N or S		Longitude Deg.		E or W		Date JD = 151 Day Mo. Yr.		Time GMT Hr. Min.		Dry Bulb		Wet Bulb		Bar. mb 1006.1		S.S.		Vis.		Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or I.D.					
024		5633		27		N		15551		34		W		31		MAY		94		00		19		05		3		03		1		06		28		34505561		237	
CTD Type & SN 91220-A				Press. SN 26072				Temp. SN 701				Cond. SN 303				Fluorometer volt x 1.0				Monitor Checks on Deck at Surface				Times JD/Time Data on 0011 at Surface Start Down 0011 at Bottom 0018 Start Up at Surface Data off 0019				Data Location Tape/Diskette I.D. File Name/Header CAST024-31MAY0010								Remarks Max cast depth: 235 Wire out: 234			
St. No.		Bot.		T Rack		Trip Depth		Time @ Depth Trip		Monitor Values Press. Temp. Cond. Other				Conv. Mon. Values-CTD Press. Temp. Cond. Sal.				Sample Bot. Data Therm-P Avg Tw Sal.				Sal. Bot. #		Other Samp.		Pos.													
1																										1													
2																										2													
3						0019								233.343 4.556 31.147 32.652				0.141				07				3													
4																										4													
5																										5													
6																										6													
7																										7													
8																										8													
9																										9													
10																										10													
11																										11													
12																										12													

Initials WF/DD

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Consec. Cast # 025		Vessel MILLER FREEMAN		Proj. & Leg MF9406 Leg II		Event # 405		Vessel Sta. I.D.		Instructions										Sta. Designation 117-1			
Consec. Cast #	Latitude Deg. Min.		N or S	Longitude Deg.		E or W	Date JD = 151 Day Mo. Yr.		Time GMT Hr. Min.		Dry Bulb	Wet Bulb	Bar. mb 1005.9	S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or I.D.	
025	56	25	92N	155	37	62W	31	MAY	94	01	47	05	4	03	4	06	28	00	08	76	1	74	
CTD Type & SN 91220-A			Monitor Checks on Deck at Surface			Times JD/Time			Data Location														
Press. SN 26072			Press. _____			Data on 0143			Tape/Diskette I.D.														
Temp. SN 701			Temp. _____			at Surface 0142			File Name/Header														
Cond. SN 303			Cond. _____			Start Down 0144			CAST025-31MAY0143														
Fluorometer volt x 1.0			Other _____			at Bottom 0146			Remarks														
						Start Up 0146			Max cast depth : 74 m Wire out: 74														
Data off																							

Stn. No.	Bot.	T. Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	Stn. No.
				Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.			
1																		1	
2		✓		014730	0152					49.204	4.463	30.405	31.973	0.245			26	2	
3																		3	
4																		4	
5																		5	
6																		6	
7																		7	
8																		8	
9																		9	
10																		10	
11																		11	
12																		12	

Initials DD/WF

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