

Consec. Cast # 01		Vessel MILLER FREEMAN		Proj. & Leg MF90-067 FOCI-4		Event # 051		Vessel Sta. I.D.		Instructions at BPR #23				Sta. Designation														
Consec. Cast #	Latitude N or S			Longitude E or W			Date JD = 158			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.					
	Deg.	Min.	S	Deg.			Day	Mo.	Yr.	Hr.	Min.																	
	01	53	25	45	N	157	13	16	W	07	JUN	90	01	47		98		98	15	28	20	51	18	62	45	18		
CTD Type & SN 91220-A		PMEL SeaBird		Monitor Checks						Times JD/Time				Data Location														
Press. SN 25084				on Deck			at Surface			Data on				Tape/Diskette I.D.						File Name/Header								
Temp. SN 701				Press. _____			0.687			at Surface _____				_____						DUB2: (data log)								
Cond. SN 303				Temp. _____			8.250			Start Down 01:23:15				_____						_____								
				Cond. _____			34.019			at Bottom 01:49:00				_____						_____								
				Other _____			32.422			Start Up _____				Remarks						..								
										at Surface _____																		
										Data off _____																		
														MF907001-07 Jun 0121														

  

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	T	B	1023	01:49:00	01:54:25					1023.12	2.853	31.475	34.376		2.85	34.384	25		1
2																		2	
3																		3	
4																		4	
5																		5	
6																		6	
7																		7	
8																		8	
9																		9	
10																		10	
11																		11	
12																		12	

 Initials WF

Consec. Cast #		Vessel		Proj. & Leg		Event #		Vessel Sta. I.D.		Instructions										Sta. Designation													
Consec. Cast #		Latitude			Longitude			Date JD =			Time GMT		Dry Bulb		Wet Bulb		Bar. mb		S.S.		Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or I.D.		
		Deg.	Min.	S	Deg.			Day	Mo.	Yr.	Hr.	Min.																					
02		25	41	73	33	N	15	83	25	9	07	Jun	90	20	47	9	0	8	6	13	3	8	2	6	0	8	3	4	1	1	6	0	9
CTD Type & SN		91220-A		PMEL SeaBird		Monitor Checks										Times JD/Time				Data Location													
Press. SN		25084				on Deck					at Surface					Data on				Tape/Diskette I.D.						File Name/Header							
Temp. SN		701				Press. 1.311					at Surface					Start Down 20:22:35				DUB2:(data log)													
Cond. SN		303				Temp. 8.564					at Bottom 20:49:00																						
						Cond. 34.334					Start Up					Remarks																	
						Other 32.465					at Surface					MF907002-07 Jun 2019																	
						Data off																											
Bot. Rack		Trip Depth		Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data				Sal. Bot. #		Other Samp.													
				Depth Trip		Press. Temp. Cond. Other				Press. Temp. Cond. Sal.				Therm-P Avg Tw Sal.																			
1		1013		20:49:00 20:54:53						1013.453 2.926 31.525 34.364								2.90 34.372 19															
2																																	
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
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Initials UH

Consec. Cast # 03		Vessel MILLER FREEMAN		Proj. & Leg MF90-06 FOCI-4		Event # 142		Vessel Sta. I.D.		Instructions Edg Grid 1										Sta. Designation									
Consec. Cast #	Latitude Deg. Min. S		Longitude Deg. E or W		Date JD = 159 Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb	Wet Bulb	Bar. mb	S.S.	Vls.	Wind Dir.	Wind Sp.	Cloud Type	Weath.	Bottom Depth, m	Sta. Name or I.D.									
03	56	13	74	N	156	21	82	W	08	JUN	90	22	05	10	1	10	3	1	3	38	200	08	37	2	223				
CTD Type & SN 91220-A Press. SN 25084 Temp. SN 701 Cond. SN 303				PMEL SeaBird				Monitor Checks on Deck at Surface Press. 568 Temp. 8.175 Cond. 33.186 Other 31.610 SN				Times JD/Time Data on at Surface Start Down 21:59:05 at Bottom 22:07:45 Start Up at Surface Data off				Data Location Tape/Diskette I.D. File Name/Header DUB2:(data log) Remarks Route didn't trip just at temp. MF907003-08 Jun 21 57													
St. #	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	10		220		22:08:02								220.26	4.957	32.086	33.346			33.353	12		1							
2																						2							
3																						3							
4																						4							
5																						5							
6																						6							
7																						7							
8																						8							
9																						9							
10																						10							
11																						11							
12																						12							

Consec. Cast # <b>04</b>		Vessel <b>MILLER FREEMAN</b>		Proj. & Leg <b>MF90-06 FOCI-4</b>		Event # <b>143</b>		Vessel Sta. I.D.		Instructions <b>0 32 T 33</b>										Sta. Designation																					
Consec. Cast #	Latitude Deg. Min.		<input checked="" type="checkbox"/> N or <input type="checkbox"/> S	Longitude Deg.		<input type="checkbox"/> E or <input checked="" type="checkbox"/> W	Date JD = <b>159</b> Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb	Wet Bulb	Bar. mb <b>1013.0</b>	S.S.	Vls.	Wind Dir.	Wind Sp.	Cloud Type	Weath.	Bottom Depth, m	Sta. Name or I.D.																			
<b>04</b>	<b>5</b>	<b>6</b>	<b>13</b>	<b>5</b>	<b>4</b>	<b>N</b>	<b>1</b>	<b>5</b>	<b>6</b>	<b>10</b>	<b>9</b>	<b>4</b>	<b>W</b>	<b>08</b>	<b>5</b>	<b>Jun</b>	<b>90</b>	<b>2</b>	<b>3</b>	<b>00</b>	<b>8</b>	<b>4</b>	<b>8</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>8</b>	<b>1</b>	<b>9</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>8</b>	<b>7</b>	<b>2</b>	<b>2</b>	<b>5</b>	<b>2</b>		
CTD Type & SN <b>91220-A</b>				PMEL SeaBird		Monitor Checks						Times JD/Time				Data Location																									
Press. SN <b>25084</b>						on Deck at Surface						Data on _____				Tape/Diskette I.D. File Name/Header																									
Temp. SN <b>701</b>						Press. <b>899</b>						at Surface				Start Down <b>22:54:34</b>																									
Cond. SN <b>303</b>						Temp. <b>8.349</b>						at Bottom <b>23:03:00</b>				Start Up _____																									
						Cond. <b>33.377</b>						at Surface _____				Remarks																									
						Other <b>31.654</b>						Data off _____				MF907004_08Jun2251																									
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.																									
<b>1</b>	<b>10</b>				<b>21:03:08</b>						<b>251.387</b>	<b>4.814</b>	<b>32.084</b>	<b>33.442</b>			<b>33.468</b>	<b>13</b>		<b>1</b>																					
<b>2</b>																				<b>2</b>																					
<b>3</b>																				<b>3</b>																					
<b>4</b>																				<b>4</b>																					
<b>5</b>																				<b>5</b>																					
<b>6</b>																				<b>6</b>																					
<b>7</b>																				<b>7</b>																					
<b>8</b>																				<b>8</b>																					
<b>9</b>																				<b>9</b>																					
<b>10</b>																				<b>10</b>																					
<b>11</b>																				<b>11</b>																					
<b>12</b>																				<b>12</b>																					

Initials WFR

Consec. Cast #		Vessel		Proj. & Leg		Event #		Vessel Sta. I.D.		Instructions										Sta. Designation																								
Consec. Cast #		Latitude			Longitude			Date			Time GMT		Dry Bulb		Wet Bulb		Bar. mb		S.S.		Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or LD													
		Deg.	Min.	S	Deg.	Min.	Sec	Day	Mo.	Yr.	Hr.	Min.																																
05		5	6	13	5	6	N	1	5	6	19	9	3	W	0	8	J	u	n	9	0	2	3	5	3	8	7	8	7	1	3	3	8	2	1	0	8	7	2	2	6	7		
CTD Type & SN		91220-A		PMEL		SeaBird		Monitor Checks				Times				Data Location																												
Press. SN		25084		on Deck				at Surface				Data on				Tape/Diskette I.D.										File Name/Header																		
Temp. SN		701		Press.				1.443				at Surface				DUB2:(data log)																												
Cond. SN		303		Temp.				7.465				Start Down				23:47:00																												
				Cond.				32.657				at Bottom				23:55:09																												
				Other				31.690				Start Up																																
												Data off																																
																Remarks																												
																m F907005-08Jun2344																												
Stn. No.		Bot. Rack		Trip Depth		Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data				Sal.		Other		Pos.																				
1		T B		251		23:56:11		0010043				250621				4.850				32.114				33.471				4.84		33.475		24				1								
2																																2												
3																																3												
4																																4												
5																																5												
6																																6												
7																																7												
8																																8												
9																																9												
10																																10												
11																																11												
12																																12												

Initials WJ



Consec. Cast #		06		Vessel MILLER FREEMAN		Proj. & Leg MF90-06 FOCI-4		Event # 147		Vessel Sta. I.D.		Instructions										Sta. Designation																											
Consec. Cast #		Latitude Deg. Min.		N or S		Longitude Deg.		E or W		Date JD = 160 Day Mo. Yr.		Time GMT Hr. Min.		Dry Bulb		Wet Bulb		Bar. mb 1012.9		S.S.		Vls.		Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or I.D.															
06		56		13		41		N		15628		78		W		09		Jun		90		00		52		9		2		9		2		13		38		23		01		08		72		223			
CTD Type & SN 91220-A				PMEL SeaBird				Monitor Checks				Times JD/Time				Data Location																																	
Press. SN 25084				Temp. SN 701				Cond. SN 303				on Deck				at Surface				Data on				Tape/Diskette I.D.				File Name/Header																					
								Press. 1.258				Start Down 00:46:30								DUB2:(data log)																													
				Temp. 8.350				at Bottom 00:54:01				Start Up																																					
				Cond. 33.113				at Surface				Data off				Remarks																																	
				Other 31.377																MF907006-09 Jun 0045																													

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	10				0054:25					218.925	4.749	31.749	33.166			33.166	11		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Consec. Cast # 07		Vessel MILLER FREEMAN		Proj. & Leg MF90-06 FOCI-4		Event # 148		Vessel Sta. I.D.		Instructions										Sta. Designation																											
Consec. Cast #	Latitude Deg. Min.		N or S	Longitude Deg.		E or W	Date JD = 160 Day Mo. Yr.		Time GMT Hr. Min.		Dry Bulb	Wet Bulb	Bar. mb	SS	Vis.	Wind Dir.	Wind Sp.	Cloud Type	Weath.	Bottom Depth, m	Sta. Name or ID																										
07	5	6	1	3	5	4	N	1	5	6	3	7	8	3	W	0	9	J	u	n	9	0	0	1	4	1	9	9	9	5	1	3	3	8	1	9	0	0	9	8	7	2	1	5	2		
CTD Type & SN 91220-A		PMEL SeaBird		Monitor Checks				Times JD/Time				Data Location																																			
Press. SN 25084				on Deck at Surface				Data on				Tape/Diskette I.D.																																			
Temp. SN 701				Press. 1.152				at Surface				File Name/Header																																			
Cond. SN 303				Temp. 7.668				Start Down 1:38:05				DUB2: (data log)																																			
				Cond. 32.600				at Bottom 01:43:18																																							
				Other 31.446				Start Up				Remarks																																			
								Data off				MF907007-09 Jun 0136																																			
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	10			01:46:04						705	5.081	30.859	31.892			31.897	15		1																												
2																			2																												
3																			3																												
4																			4																												
5																			5																												
6																			6																												
7																			7																												
8																			8																												
9																			9																												
10																			10																												
11																			11																												
12																			12																												

Consec. Cast # <u>08</u>		Vessel <u>MILLER FREEMAN</u>		Proj. & Leg <u>MF90-06 FOCI-4</u>		Event # <u>150</u>		Vessel Sta. I.D.		Instructions										Sta. Designation			
Consec. Cast #	Latitude Deg. Min.		N or S	Longitude Deg.		E or W	Date JD = <u>160</u> 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.	
<u>08</u>	<u>56</u>	<u>18</u>	<u>41</u> N	<u>156</u>	<u>38</u>	<u>05</u> W	<u>09</u>	<u>Jun</u>	<u>90</u>	<u>02</u>	<u>27</u>	<u>10</u>	<u>0</u>	<u>99</u>	<u>12</u>	<u>38</u>	<u>210</u>	<u>14</u>	<u>87</u>	<u>2</u>	<u>161</u>		
CTD Type & SN <u>91220-A</u>			PMEL <u>SeaBird</u>	Monitor Checks				Times JD/Time				Data Location											
Press. SN <u>25084</u>				on Deck				at Surface				Data on				Tape/Diskette I.D.				File Name/Header			
Temp. SN <u>701</u>				Press. <u>925</u>				Start Down <u>02:23:20</u>								DUB2: (data log)							
Cond. SN <u>303</u>				Temp. <u>7.303</u>				at Bottom <u>02:28:52</u>															
				Cond. <u>32.141</u>				Start Up				Remarks											
				Other <u>31.282</u>				Data off															
<u>MF907008-09 Jun 0222</u>																							
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.							
<u>1</u>	<u>T</u>	<u>B</u>	<u>146</u>	<u>02:29:50</u>	<u>02:35:10</u>					<u>145.698</u>	<u>4.256</u>	<u>30.539</u>	<u>32.283</u>		<u>4.25</u>	<u>32.285</u>	<u>29</u>		<u>1</u>				
<u>2</u>																			<u>2</u>				
<u>3</u>																			<u>3</u>				
<u>4</u>																			<u>4</u>				
<u>5</u>																			<u>5</u>				
<u>6</u>																			<u>6</u>				
<u>7</u>																			<u>7</u>				
<u>8</u>																			<u>8</u>				
<u>9</u>																			<u>9</u>				
<u>10</u>																			<u>10</u>				
<u>11</u>																			<u>11</u>				
<u>12</u>																			<u>12</u>				

Initials WF





Consec. Cast #		Vessel		Proj. & Leg		Event #		Vessel Sta. I.D.		Instructions										Sta. Designation															
10		MILLER FREEMAN		MF90-06 FOCI-4		153																													
Consec. Cast #		Latitude		Longitude		Date JD =		Time GMT		Dry Bulb		Wet Bulb		Bar. mb		S.S.		Vls.		Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or LD					
		Deg. Min.		Deg. E or W		Day Mo. Yr.		Hr. Min.						1012.1																					
1056		1842 N		1561993 W		09 Jun 90		0410		10		0		95		123		82		1015		872				263									
CTD Type & SN		PMEL 91220-A		SeaBird		Monitor Checks				Times JD/Time				Data Location																					
Press. SN		25084		on Deck				at Surface				Data on				Tape/Diskette I.D.										File Name/Header									
Temp. SN		701		Press.				1.576				at Surface														DUB2:(data log)									
Cond. SN		303		Temp.				8.125				Start Down				04:03:50																			
				Cond.				33.319				at Bottom				04:12:27																			
				Other				31.796				Start Up																							
												at Surface																							
												Data off																							
																Remarks																			
																mf907010-09 Jun 0402																			
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.		Bot. #		Samp.		Pos.	
1		10				04:18:29										52.151		5.045		30.978		32.072						32.064		16				1	
2																																		2	
3																																		3	
4																																		4	
5																																		5	
6																																		6	
7																																		7	
8																																		8	
9																																		9	
10																																		10	
11																																		11	
12																																		12	

Initials WF

Consec. Cast #		Vessel		Proj. & Leg		Event #		Vessel Sta. I.D.		Instructions										Sta. Designation																		
Consec. Cast #		Latitude		Longitude		Date		Time		Dry Bulb		Wet Bulb		Bar. mb		Wind Dir.		Wind Sp.		Cloud Type		Bottom Depth, m		Sta. Name or LD														
		Deg.	Min.	Deg.	Min.	Day	Mo.	Yr.	Hr.	Min.																												
11		11	56	18	67	N	15	61	85	W	09	Jun	90	05	04	8	8	8	7	1	2	3	8	2	0	0	1	6	8	7	2	2	6	0				
CTD Type & SN		91220-A		PMEL SeaBird		Monitor Checks								Times				Data Location																				
Press. SN		25084		on Deck								at Surface				Data on				Tape/Diskette I.D.																		
Temp. SN		701		Press.								2.005				at Surface				File Name/Header																		
Cond. SN		303		Temp.								7.926				Start Down				DUB2: (data log)																		
				Cond.								33.058				at Bottom																						
				Other								31.699				Start Up																						
																at Surface																						
																Data off																						
																				Remarks																		
																				MF907011-09Jun 0456																		
Bot.	T	Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	Bot.																			
				Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.																						
1	T	B	242	05:07:13	05:12:19					242.091	4.865	32.058	33.396		4.85	33.396	01		1																			
2																			2																			
3																			3																			
4																			4																			
5																			5																			
6																			6																			
7																			7																			
8																			8																			
9																			9																			
10																			10																			
11																			11																			
12																			12																			

Initials WF

Consec. Cast # <u>12</u>		Vessel <u>MILLER FREEMAN</u>		Proj. & Leg <u>MF90-06 FOCI-4</u>		Event# <u>157</u>		Vessel Sta. I.D.		Instructions										Sta. Designation							
Consec. Cast #	Latitude N or S		Longitude E or W		Date JD = <u>160</u>			Time GMT		Dry Bulb	Wet Bulb	Bar. mb	S.S.	Vls.	Wind Dir.	Wind Sp.	Cloud Type	Weath.	Bottom Depth, m	Sta. Name or LD							
<u>12</u>	<u>56</u>	<u>18</u>	<u>6</u>	<u>7</u>	<u>N</u>	<u>156</u>	<u>01</u>	<u>77</u>	<u>W</u>	<u>09</u>	<u>Jun</u>	<u>90</u>	<u>06</u>	<u>02</u>	<u>08</u>	<u>3</u>	<u>08</u>	<u>1</u>	<u>12</u>	<u>38</u>	<u>19</u>	<u>5</u>	<u>17</u>	<u>87</u>	<u>2</u>	<u>223</u>	
CTD Type & SN <u>91220-A</u>		PMEL SeaBird		Monitor Checks				Times JD/Time				Data Location															
Press. SN <u>25084</u>				on Deck		at Surface		Data on				Tape/Diskette I.D.		File Name/Header													
Temp. SN <u>701</u>				Press. <u>2.102</u>				at Surface						DUB2: (data log)													
Cond. SN <u>303</u>				Temp. <u>7.835</u>				Start Down <u>05:57:02</u>																			
				Cond. <u>32.934</u>				at Bottom <u>06:04:06</u>																			
				Other <u>31.644</u>				Start Up																			
								at Surface																			
								Data off																			
														Remarks <u>MF907012-09Jun 0555</u>													

  

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	10				06:07:31					120.577	3.847	30.314	32.434			32.441	55		1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

 Initials WJ

Consec. Cast # <b>13</b>		Vessel <b>MILLER FREEMAN</b>		Proj. & Leg <b>MF90-06 FOCI-4</b>		Event # <b>158</b>		Vessel Sta. I.D.		Instructions										Sta. Designation															
Consec. Cast #	Latitude			Longitude	Date JD = <b>160</b>	Time GMT		Dry Bulb	Wet Bulb	Bar. mb	S.S.	Vls.	Wind Dir.	Wind Sp.	Cloud Type	Weath.	Bottom Depth, m	Sta. Name or LD																	
	Deg.	Min.	S																Deg.	E or W	Day	Mo.	Yr.	Hr.	Min.										
	<b>13</b>	<b>56</b>	<b>23</b>	<b>66</b>	<b>N</b>	<b>156</b>	<b>01</b>	<b>92</b>	<b>W</b>	<b>09</b>	<b>JUN</b>	<b>90</b>	<b>06</b>	<b>52</b>	<b>8</b>	<b>1</b>	<b>8</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>8</b>	<b>1</b>	<b>6</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>8</b>	<b>7</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>4</b>		
CTD Type & SN <b>91220-A</b>				PMEL SeaBird				Monitor Checks				Times JD/Time				Data Location																			
Press. SN <b>25084</b>				on Deck				at Surface				Data on				Tape/Diskette I.D.				File Name/Header															
Temp. SN <b>701</b>				Press. <b>1.610</b>				Temp. <b>8.877</b>				Start Down <b>06:46:50</b>				DUB2: (data log)																			
Cond. SN <b>303</b>				Temp. <b>33.852</b>				at Bottom <b>06:54:25</b>				Start Up				Remarks <i>no salinity sample roselle mis-fire</i>																			
				Other <b>31.678 sal</b>				Data off				MF907013-09 Jun 0645																							

  

No.	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	10									149.665	4.033	30.677	32.667					1	
2																		2	
3																		3	
4																		4	
5																		5	
6																		6	
7																		7	
8																		8	
9																		9	
10																		10	
11																		11	
12																		12	

 Initials WJF



Consec. Cast #		14		Vessel MILLER FREEMAN		Proj. & Leg MF90-06 FOCI-4		Event # 160		Vessel Sta. I.D.		Instructions										Sta. Designation										
Consec. Cast #		Latitude Deg. Min. N or S			Longitude Deg. E or W			Date JD = Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb		Wet Bulb		Bar. mb 1011.2		Ss Vls		Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or I.D.	
145623		52 N			1561087 W			09 Jun 90			07 55		8 0		7 9		1 1		38		195		128		72		272					
CTD Type & SN 91220-A				PMEL SeaBird				Monitor Checks				Times JD/Time				Data Location																
Press. SN 25084								on Deck				at Surface				Data on				Tape/Diskette I.D.				File Name/Header								
Temp. SN 701								Press. 682								at Surface								DUB2:(data log)								
Cond. SN 303								Temp. 8.179								Start Down																
								Cond.								at Bottom																
								Other 31.644								Start Up								Remarks W0204								
																at Surface								MF907014-09 Jun 0746								
								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	K	B		757	802	262.809	4.878		333.79							4.86	33.385	37		1
2																				2
3																				3
4																				4
5																				5
6																				6
7																				7
8																				8
9																				9
10																				10
11																				11
12																				12

Initials WF LAM

Consec. Cast #		Vessel		Proj. & Leg		Event #		Vessel Sta. I.D.		Instructions										Sta. Designation															
Consec. Cast #		Latitude		Longitude		Date JD =		Time GMT		Dry Bulb		Wet Bulb		Bar. mb		Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or I.D.									
		Deg.	Min.	Deg.	Min.	Day	Mo.	Yr.	Hr.	Min.																									
15		56	23	42	N	156	19	79	W	9	5	4	90	08	55	7	7	7	7	1	1	4	8	18	5	1	4	8	7	2	2	3	4		
CTD Type & SN		91220-A		PMEL SeaBird		Monitor Checks				Times JD/Time				Data Location																					
Press. SN		25084		on Deck				at Surface				Data on				Tape/Diskette I.D.				File Name/Header															
Temp. SN		701		Press.				0.872				at Surface								DUB2:(data log)															
Cond. SN		303		Temp.				8.644				Start Down																							
				Cond.								at Bottom																							
				Other				31.817				Start Up																							
												at Surface								Remarks															
												Data off								W0224															
																				MF907015-09JUN 0846															
Stn. No.		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.		Bot. #		Samp.		Pos.	
1								100.98		4.082				32.303														32.309		50				1	
2																																		2	
3																																		3	
4																																		4	
5																																		5	
6																																		6	
7																																		7	
8																																		8	
9																																		9	
10																																		10	
11																																		11	
12																																		12	

Initials \_\_\_\_\_

Consec. Cast # <u>16</u>		Vessel <u>MILLER FREEMAN</u>		Proj. & Leg <u>MF90-06 FOCI-4</u>		Event # <u>164</u>		Vessel Sta. I.D.		Instructions										Sta. Designation <u>10</u>									
Consec. Cast #	Latitude Deg. Min. S		N or S	Longitude Deg. E or W		Date JD = <u>160</u> Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb	Wet Bulb	Bar. mb <u>1011.0</u>	S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or I.D.							
	<u>16</u>	<u>56</u>	<u>23</u>	<u>43</u>	N	<u>156</u>	<u>29</u>	<u>08</u>	W	<u>9</u>	<u>54</u>	<u>19</u>	<u>09</u>	<u>51</u>		<u>7</u>	<u>5</u>	<u>7</u>	<u>4</u>	<u>11</u>	<u>48</u>	<u>18</u>	<u>51</u>	<u>29</u>	-	-	<u>20</u>	<u>5</u>	
CTD Type & SN <u>91220-A</u>		PMEL SeaBird		Monitor Checks				Times JD/Time				Data Location																	
Press. SN <u>25084</u>				on Deck				at Surface				Data on				Tape/Diskette I.D.						File Name/Header							
Temp. SN <u>701</u>				Press. <u>0.879</u>				Start Down								DUB2:(data log)													
Cond. SN <u>303</u>				Temp. <u>6.966</u>				at Bottom																					
				Cond. <u>31.467</u>				Start Up																					
				Other				Data off								Remarks <u>W0195</u>													
																<u>MF907016-09JUN94</u>													

Stn. No.	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						<u>128.902</u>	<u>4.343</u>		<u>32.265</u>								<u>32.269</u>	<u>47</u>		1
2																				2
3																				3
4																				4
5																				5
6																				6
7																				7
8																				8
9																				9
10																				10
11																				11
12																				12

Initials AM

Consec. Cast # <b>17</b>			Vessel <b>MILLER FREEMAN</b>			Proj. & Leg <b>MF90-06 FOCI-4</b>			Event # <b>165</b>			Vessel Sta. I.D.			Instructions			Sta. Designation <b>17</b>																				
Consec. Cast #		Latitude Deg. Min.		N or S		Longitude Deg. Min.		E or W		Date JD = <b>160</b> Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb		Wet Bulb		Bar. mb		S.S.		V.S.		Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or LD			
17		5623		59		N		156378		1		W		9 Jan 90			1040		7		2		7		3		11		48		185		139		- -		171	
CTD Type & SN <b>91220-A</b>				PMEL SeaBird				Monitor Checks						Times JD/Time						Data Location																		
Press. SN <b>25084</b>								on Deck						at Surface						Tape/Diskette I.D.						File Name/Header												
Temp. SN <b>701</b>								Press. <b>0.633</b>						Data on						DUB2:(data log)																		
Cond. SN <b>303</b>								Temp. <b>10.940</b>						Start Down																								
								Cond.						Start Up																								
								Other <b>31.313</b>						at Surface						Remarks <b>W0161</b>																		
														Data off						<b>MF907017-09 Jan 1994</b>																		

  

Stn	Bot.	T Rack	Trip Depth	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data				Sal. Bot. #	Other Samp.	D.S.
				Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.				
1		B		1045	1050	101.259	5.454		31.986							5.44	31.993	43		1
2																				2
3																				3
4																				4
5																				5
6																				6
7																				7
8																				8
9																				9
10																				10
11																				11
12																				12

Initials

Jim

Consec. Cast # <u>18</u>		Vessel MILLER FREEMAN		Proj. & Leg MF90-06 FOCI-4		Event # 167		Vessel Sta. I.D.		Instructions										Sta. Designation 18			
Consec. Cast #	Latitude Deg. Min. S		N or S	Longitude Deg. Min. W		E or W	Date JD = <u>160</u> Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb	Wet Bulb	Bar. mb <u>1010.3</u>	S.S.	Vls.	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or I.D.
18	56	28	55	N	156	38	02	W	9	Jun	90	11	33	80	80	10	48	165	129	-	-	178	
CTD Type & SN <u>91220-A</u> Press. SN <u>25084</u> Temp. SN <u>701</u> Cond. SN <u>303</u>				PMEL SeaBird				Monitor Checks on Deck at Surface Press. <u>0336</u> Temp. <u>7215</u> Cond. <u>31.344</u> Other				Times JD/Time Data on _____ at Surface _____ Start Down _____ at Bottom _____ Start Up _____ at Surface _____ Data off _____				Data Location Tape/Diskette I.D. _____ File Name/Header <u>DUB2:(data log)</u> Remarks <u>W0171</u> <u>ME90701B-09 June 1127</u>							
Stn. No.	Bot. Rack	T	Trip	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						171.503	4.138		32.619								32.557	54		1			
2																				2			
3																				3			
4																				4			
5																				5			
6																				6			
7																				7			
8																				8			
9																				9			
10																				10			
11																				11			
12																				12			

Initials lmm



Consec. Cast # <u>19</u>		Vessel MILLER FREEMAN		Proj. & Leg MF90-06 FOCI-4		Event # <u>169</u>		Vessel Sta. I.D.		Instructions										Sta. Designation <u>79</u>				
Consec. Cast #	Latitude Deg. Min.		N or S	Longitude Deg.		E or W	Date JD = <u>160</u> Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb	Wet Bulb	Bar. mb <u>1010.1</u>	S.S.	Vls.	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or LD	
<u>19</u>	<u>56</u>	<u>28</u>	<u>31</u> N	<u>156</u>	<u>29</u>	<u>93</u> W	<u>9</u>	<u>54</u>	<u>19</u>	<u>01</u>	<u>22</u>	<u>8</u>	<u>2</u>	<u>8</u>	<u>2</u>	<u>10</u>	<u>38</u>	<u>180</u>	<u>06</u>	<u>8</u>	<u>7</u>	<u>2</u>	<u>218</u>	
CTD Type & SN <u>91220-A</u>			PMEL SeaBird	Monitor Checks						Times JD/Time				Data Location										
Press. SN <u>25084</u>				on Deck			at Surface			Data on _____				Tape/Diskette I.D. _____										
Temp. SN <u>701</u>				Press. _____			<u>1.259</u>			at Surface _____				File Name/Header _____										
Cond. SN <u>303</u>				Temp. _____			<u>6.789</u>			Start Down _____				_____										
				Cond. _____						at Bottom _____				_____										
				Other _____			<u>31.447</u>			Start Up _____				Remarks <u>WO 209</u>										
										at Surface _____				<u>MF907019 - 09 Jun 1215</u>										
										Data off _____														

i	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						<u>143.084</u>	<u>4.229</u>		<u>32.231</u>								<u>32.241</u>	<u>48</u>	1
2																			2
3																			3
4																			4
5																			5
6																			6
7																			7
8																			8
9																			9
10																			10
11																			11
12																			12

Initials

LMW

Consec. Cast # <b>20</b>		Vessel <b>MILLER FREEMAN</b>		Proj. & Leg <b>MF90-06 FOCI-4</b>		Event # <b>170</b>		Vessel Sta. I.D.		Instructions										Sta. Designation <b>20</b>			
Consec. Cast #	Latitude Deg. Min.		N or S	Longitude Deg.		E or W	Date JD = Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb	Wet Bulb	Bar. mb <b>1009.9</b>	S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or LD
<b>20</b>	<b>56</b>	<b>28</b>	<b>39 N</b>	<b>156</b>	<b>19</b>	<b>95 W</b>	<b>9</b>	<b>4</b>	<b>12</b>	<b>90</b>	<b>13</b>	<b>12</b>	<b>89</b>	<b>89</b>	<b>10</b>	<b>38</b>	<b>195</b>	<b>08</b>	<b>3</b>	<b>6</b>	<b>2</b>	<b>219</b>	
CTD Type & SN <b>91220-A</b>			PMEL SeaBird	Monitor Checks				Times JD/Time				Data Location											
Press. SN <b>25084</b>				on Deck				at Surface				Data on				Tape/Diskette I.D.				File Name/Header			
Temp. SN <b>701</b>				Press. _____				_____ <b>999</b>				at Surface				_____				_____ <b>DUB2:(data log)</b>			
Cond. SN <b>303</b>				Temp. _____				_____ <b>7.980</b>				Start Down				_____				_____			
				Cond. _____				_____ <b>3</b>				at Bottom				_____				_____			
				Other _____				_____ <b>31.823</b>				Start Up				_____				_____			
												at Surface				_____				_____			
												Data off				_____				_____			
																Remarks <b>W0210</b>							
																<b>MF907020 - 09 JUN 1305</b>							

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.			
<b>1</b>		<b>B</b>		<b>1314</b>	<b>1321</b>	<b>120.512</b>	<b>4.055</b>		<b>32.304</b>							<b>4.07</b>	<b>32.320</b>	<b>52</b>	<b>1</b>
<b>2</b>																			<b>2</b>
<b>3</b>																			<b>3</b>
<b>4</b>																			<b>4</b>
<b>5</b>																			<b>5</b>
<b>6</b>																			<b>6</b>
<b>7</b>																			<b>7</b>
<b>8</b>																			<b>8</b>
<b>9</b>																			<b>9</b>
<b>10</b>																			<b>10</b>
<b>11</b>																			<b>11</b>
<b>12</b>																			<b>12</b>

Initials **DM**

Consec. Cast #		Vessel		Proj. & Leg		Event #		Vessel Sta. I.D.		Instructions										Sta. Designation																
21		MILLER FREEMAN		MF90-06 FOCI-4		172														29																
Consec. Cast #	Latitude		N or S	Longitude		E or W	Date JD = 160			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.													
	Deg.	Min.		Deg.	Day		Mo.	Yr.	Hr.	Min.																										
21	56	28	N	156	11	10	W	9	JUN	90	14	08	8	5	8	5	10	3	7	1	7	5	1	3	8	6	2	2	7	6						
CTD Type & SN 91220-A		PMEL SeaBird		Monitor Checks								Times JD/Time				Data Location																				
Press. SN 25084				on Deck				at Surface				Data on				Tape/Diskette I.D.										File Name/Header										
Temp. SN 701				Press. 1.572				at Surface				Start Down				DUB2: (data log)																				
Cond. SN 303				Temp. 7.891				at Bottom				Start Up																								
				Cond.				at Surface				Data off				Remarks W0267																				
				Other 31.1057												MF907021-09JUN/1400																				
Bot. Rack	T	Trip	Time @		Monitor Values				Conv. Mon. Values-CTD				Sample Bot. Data			Sal. Bot. #	Other Samp.	Bot. #																		
			Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.																					
1					267.406	4.935		33.211									33.215	44	1																	
2																			2																	
3																			3																	
4																			4																	
5																			5																	
6																			6																	
7																			7																	
8																			8																	
9																			9																	
10																			10																	
11																			11																	
12																			12																	

Initials

JWA

Consec. Cast # <b>22</b>		Vessel <b>MILLER FREEMAN</b>		Proj. & Leg <b>MF90-06 FOCI-4</b>		Event # <b>174</b>		Vessel Sta. I.D.		Instructions										Sta. Designation <b>22</b>								
Consec. Cast #	Latitude Deg. Min.		N or S	Longitude Deg.		E or W	Date JD = <b>160</b> Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb	Wet Bulb	Bar. mb <b>1009.1</b>	S.S.	Vls.	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or I.D.					
<b>22</b>	<b>56</b>	<b>28</b>	<b>38</b>	<b>N</b>	<b>156</b>	<b>02</b>	<b>14</b>	<b>W</b>	<b>9</b>	<b>J</b>	<b>4</b>	<b>29</b>	<b>01</b>	<b>50</b>	<b>1</b>		<b>8</b>	<b>6</b>	<b>8</b>	<b>5</b>	<b>09</b>	<b>38</b>	<b>150</b>	<b>09</b>	<b>86</b>	<b>2</b>	<b>254</b>	

  

CTD Type & SN <b>91220-A</b>		PMEL SeaBird	Monitor Checks				Times JD/Time				Data Location			
Press. SN <b>25084</b>			on Deck		at Surface		Data on _____		Tape/Diskette I.D.		File Name/Header			
Temp. SN <b>701</b>			Press. _____		<b>1.126</b>		at Surface _____		_____		<b>DUB2:(data log)</b>			
Cond. SN <b>303</b>			Temp. _____		<b>7.664</b>		Start Down _____		_____		_____			
			Cond. _____				at Bottom _____		_____		_____			
			Other _____		<b>31.6+2</b>		Start Up _____		Remarks <b>WD246</b>					
							at Surface _____		<b>MF907022-09JUN 1453</b>					
							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						<b>246.205</b>	<b>4.864</b>		<b>33.284</b>							<b>33.287</b>	<b>42</b>	1	
2																		2	
3																		3	
4																		4	
5																		5	
6																		6	
7																		7	
8																		8	
9																		9	
10																		10	
11																		11	
12																		12	

Initials *LM*