

Consec. Cast # 001		Vessel MILLER FREEMAN		Proj. & Leg FOCI MF 91 08 TSUNAMI		Event # 70		Vessel Sta. I.D.		Instructions										Sta. Designation											
Consec. Cast #		Latitude Deg. Min.		Longitude Deg. Min.		Date JD = 206 Day Mo. Yr.		Time GMT Hr. Min.		Dry Bulb		Wet Bulb		Bar. mb 1008.1		S.S.		Vis.		Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or I.D.	
001		55 43 16 N		159 48 79 W		25 Jul 91		01 14		12 6		12 0		08 27		175		07 855		126											
CTD Type & SN 91220-B Press. SN Temp. SN 710 Cond. SN 304				Monitor Checks on Deck at Surface Press. _____ Temp. _____ Cond. _____ Other _____				Times JD/Time Data on _____ at Surface _____ Start Down 01:10 at Bottom _____ Start Up _____ at Surface _____ Data off _____				Data Location Tape/Diskette I.D. _____ File Name/Header MF8Cast001-25Jul0105 Remarks Scan-map attached to cal. depth																			
Pos.		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		2												116.451 5.076 30.879 31.897				31.9033 06								1					
2																										2					
3																										3					
4																										4					
5																										5					
6																										6					
7																										7					
8																										8					
9																										9					
10																										10					
11																										11					
12																										12					

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Consec. Cast # 002		Vessel MILLER FREEMAN		Proj. & Leg MF 91 08 FOCI		Event# 148		Vessel Sta. I.D.		Instructions										Sta. Designation 152						
Consec. Cast #	Latitude Deg. Min.		N or S	Longitude Deg. Min.		E or W	Date JD = Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb	Wet Bulb	Bar. mb 1015.0	S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or I.D.			
002	55	45	N	156	59	W	26	JUL	91	11	49	12	6	1	2	0	1	5	28	29	00	44	31	0083	152	
CTD Type & SN 91220-B			Monitor Checks			Times JD/Time			Data Location																	
Press. SN			on Deck			at Surface			Data on			Tape/Diskette I.D.												File Name/Header		
Temp. SN 710			Press.						at Surface															MF8 cont002-26 July 1142		
Cond. SN 304			Temp.						Start Down 11:47																	
			Cond.						at Bottom																	
			Other						Start Up																	
									at Surface																	
									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	2					3.4@500				77.532	5.968	32.266	32.630			32.6382	33	1								
2																		2								
3																		3								
4																		4								
5																		5								
6																		6								
7																		7								
8																		8								
9																		9								
10																		10								
11																		11								
12																		12								

Initials

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Consec. Cast # 003		Vessel MILLER FREEMAN		Proj. & Leg MF 91 08 FOCI		Event # 149		Vessel Sta. I.D.		Instructions										Sta. Designation 153							
Consec. Cast #	Latitude		N or S	Longitude		E or W	Date JD = 207			Time GMT		Dry Bulb	Wet Bulb	Bar. mb 1015.0	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.																	
	03	55	54	63	N	156	10	84	W	26	JUL	91	12	50	12	5	1	1	8	15	28	27	00	24	31	196	153
CTD Type & SN 91220-B Press. SN _____ Temp. SN 710 Cond. SN 304				Monitor Checks on Deck at Surface Press. _____ Temp. _____ Cond. _____ Other _____						Times JD/Time Data on _____ at Surface _____ Start Down 1242 at Bottom _____ Start Up _____ at Surface _____ Data off _____						Data Location Tape/Diskette I.D. _____ File Name/Header MF8 cast 003-26 Jul 1241 _____ _____ _____ Remarks _____											
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	38		186			3.4 ⁰ SFC					188.088	4.926	32.136	33.452		4.95	33.457	30		1							
2	2		101								100.542	4.486	30.861	32.456			32.4658	05		2							
3																				3							
4																				4							
5																				5							
6																				6							
7																				7							
8																				8							
9																				9							
10																				10							
11																				11							
12																				12							

Initials




Consec. Cast # 004		Vessel MILLER FREEMAN		Proj. & Leg MF 91 08 FOCI		Event # 150		Vessel Sta. I.D.		Instructions										Sta. Designation 154								
Consec. Cast #	Latitude			N or S	Longitude			E or W	Date JD 007			Time GMT		Dry Bulb	Wet Bulb	Bar. mb 1015.0	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.																		
004	55	55	16	N	156	15	04	W	26	JUL	91	13	36	12	0	1	1	5	1	5	28	3	10	10	43	1	224	154
CTD Type & SN 91220-B				Monitor Checks								Times JD/Time				Data Location												
Press. SN				on Deck at Surface								Data on 1325				Tape/Diskette I.D.				File Name/Header								
Temp. SN 710				Press.								at Surface 1328								MF8 Cast 004 26 JUL 1325								
Cond. SN 304				Temp.								Start Down 1330																
				Cond.								at Bottom 1337																
				Other								Start Up 1338																
												at Surface																
												Data off								Remarks								
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	2		215			SFC 3.4 m					216.134	4.938	32.230	33.534			33.5369	13	216	1								
2																			177	2								
3																			127	3								
4																			52	4								
5																				5								
6																				6								
7																				7								
8																				8								
9																				9								
10																				10								
11																				11								
12																				12								

Initials (Signature)

Also did Mechanical BKG Calibration

Consec. Cast # 005		Vessel MILLER FREEMAN		Proj. & Leg MF 91 08 FOCI		Event # 152		Vessel Sta. I.D.		Instructions										Sta. Designation 155					
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 1015.0	S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or I.D.		
005	55	55	N	156	21	24	W	26	JUL	91	14	30	12	0	1	1	2	15	28	29	0	1	24	31	155
CTD Type & SN 91220-B			Monitor Checks										Times JD/Time		Data Location										
Press. SN			on Deck					at Surface					Data on		Tape/Diskette I.D.					File Name/Header					
Temp. SN 710			Press.										at Surface 1422							MF8Cast005 26 JUL 1420					
Cond. SN 304			Temp.										Start Down 1423												
			Cond.										at Bottom 1430												
			Other										Start Up 1432												
													at Surface												
													Data off							Remarks CTD line 17 226 m. wire out					
St. 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	2		226			SURF. 3.4					226.056	4.937	32.210	33.506			33.5106	12		1					
2																				2					
3																				3					
4																				4					
5																				5					
6																				6					
7																				7					
8																				8					
9																				9					
10																				10					
11																				11					
12																				12					

Initials 

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Consec. Cast # 006		Vessel MILLER FREEMAN		Proj. & Leg MF 91 08 FOCI		Event # 153		Vessel Sta. I.D.		Instructions										Sta. Designation 156					
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 1015.0	S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud Type	Weath.	Bottom Depth, m	Sta. Name or I.D.			
006	55	56	N	156	26	W	26	JUL	91	15	14	11	8	11	0	15	28	285	11	33	1	211	156		
CTD Type & SN 91220-B			Monitor Checks			Times JD/Time			Data Location																
Press. SN			on Deck			at Surface			Data on			Tape/Diskette I.D.											File Name/Header		
Temp. SN 710			Press.						at Surface 1506														MF8Cast006JUL1504		
Cond. SN 304			Temp.						Start Down 1507																
			Cond.						at Bottom 1515																
			Other						Start Up 1520																
									at Surface																
									Data off														Remarks 203 m. wire out		

Stn. No.	Bot. 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	204	1515	1520	3.5@ sfc				204.263	4.827	33.212	31.850		4.80	33.1269	02		1
2	2	101	1523	1523					101.367	5.127	31.261	32.292			32.2920	25		2
3																		3
4																		4
5																		5
6																		6
7																		7
8																		8
9																		9
10																		10
11																		11
12																		12

Initials

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Consec. Cast # 007		Vessel MILLER FREEMAN		Proj. & Leg MF 91 08 FOCI		Event # 155		Vessel Sta. I.D.		Instructions										Sta. Designation 157					
Consec. Cast #	Latitude Deg. Min.		N or S	Longitude Deg.		E or W	Date JD = 207 Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb	Wet Bulb	Bar. mb 1015.8	S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or I.D.		
007	55	57	22	N	156	31	07	W	26	JUL	91	16	49	11	9	11	0	16	28	290	12	20	1	199	157
CTD Type & SN 91220-B			Monitor Checks			Times JD/Time			Data Location																
Press. SN			on Deck			at Surface			Data on			Tape/Diskette I.D.			File Name/Header										
Temp. SN 710			Press.						at Surface						MF8 Cast 00726 JULY 19638										
Cond. SN 304			Temp.						Start Down																
			Cond.						at Bottom 1649																
			Other						Start Up																
									at Surface																
									Data off																
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	2		194			3.50 sec				194.696	4.487	31.136	32.727			32.6909	10								
2																									
3																									
4																									
5																									
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Initials

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Consec. Cast # 008		Vessel MILLER FREEMAN		Proj. & Leg MF 91 08 FOCI		Event# 156		Vessel Sta. I.D.		Instructions										Sta. Designation IS8									
Consec. Cast #	Latitude Deg. Min.		N or S	Longitude Deg.		E or W	Date JD = 207 Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb	Wet Bulb	Bar. mb 1016.0	S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or I.D.						
008	55	58	03	N	156	38	6	0	W	26	JUL	9	1	17	45	1	2	1	1	1	4	1	6	28	300	18	101	190	158
CTD Type & SN 91220-B Press. SN Temp. SN 710 Cond. SN 304				Monitor Checks on Deck at Surface Press. _____ Temp. _____ Cond. _____ 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 MF8CAST 00826JUL 1734 Remarks													
Stn. ID	Bot. Rack	T	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		184			34	@	SFC					184.793	4.516	31.059	32.613		4.56	32.6212	08			1						
2	2		100										100.941	5.778	31.561	32.009			32.0103	28			2						
3																								3					
4																								4					
5																								5					
6																								6					
7																								7					
8																								8					
9																								9					
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12																								12					

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