

Consec. Cast # 001		Vessel MILLER FREEMAN		Proj. & Leg MF-92-07		Event # 34		Vessel Sta. I.D.		Instructions 1009.7										Sta. Designation									
Consec. Cast #		Latitude N or S		Longitude E or W		Date JD = 152 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.	
001		55381 N		1560007 W		31 MAY 92		1628		100		090		100		8260		04261				82							
CTD Type & SN 91220-A SEABIRD				Monitor Checks on Deck at Surface				Times JD/Time Data on _____ at Surface 16:19 Start Down 16:24 at Bottom _____ Start Up _____ at Surface _____ Data off _____				Data Location Tape/Diskette I.D. _____ File Name/Header Cast001-31 May 1619 Remarks line 17 #152 w/p 76m																	
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		5				75				76.250 5.841 31.709 32.127								32.1300				16				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-92-07		Event # 36		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 1009.7	S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or I.D.
002	55	54	70	N	156	11	08	W	31	MAY	92	17	30	97	85	09	17	220	106	61		195	
CTD Type & SN 91220-A SEABIRD				Monitor Checks on Deck at Surface				Times JD/Time Data on _____ at Surface 1719 Start Down 1724 at Bottom _____ Start Up _____ at Surface _____ Data off _____				Data Location Tape/Diskette I.D. _____ File Name/Header Cast 002-31 May 1720 Remarks line 17 #153 w/o, 192											
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	35	B		173230	173730	125.567	5.826	31.878	32.307							5.82	32.3020	18		1			
2																				2			
3																				3			
4																				4			
5																				5			
6																				6			
7																				7			
8																				8			
9																				9			
10																				10			
11																				11			
12																				12			

 Initials WTF
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Consec. Cast # 003		Vessel MILLER FREEMAN		Proj. & Leg MF-92-07		Event # 37		Vessel Sta. I.D.		Instructions										Sta. Designation											
Consec. Cast #		Latitude N or S Deg. Min.			Longitude E or W Deg.			Date JD = 152 Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb		Wet Bulb		Bar. mb 1009.6		S.S.	Vis.	Wind Dir.		Wind Sp.		Cloud Type		Weath.	Bottom Depth, m		Sta. Name or I.D.	
003		55 55 33 N			156 15 43 W			31 May 92			18 17		9 0		8 0		09		17	25	01		11		66		1	223			
CTD Type & SN 91220-A SEABIRD				Monitor Checks on Deck at Surface				Times JD/Time Data on _____ at Surface 18:05 Start Down 18:10 at Bottom _____ Start Up _____ at Surface _____ Data off _____				Data Location Tape/Diskette I.D. _____ File Name/Header Cont 003-31 May 1804 Remarks line 17 #154 w/o 218																			
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	5		40			41.313	5.247	30.940	31.840									31.8460	21		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 # 004				Vessel MILLER FREEMAN				Proj. & Leg MF-92-07				Event # 39		Vessel Sta. I.D.				Instructions										Sta. Designation				
Consec. Cast #		Latitude N or S Deg. Min.			Longitude E or W Deg.			Date JD = 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.	
004		555626 N			1562061 W			31 May 92			1902110			110		95		09		1	250	11		561		230						
CTD Type & SN 91220-A SEABIRD				Monitor Checks on Deck at Surface								Times JD/Time Data on _____ at Surface 1850 Start Down _____ at Bottom _____ Start Up _____ at Surface _____ Data off _____				Data Location Tape/Diskette I.D. _____ File Name/Header cast004-31 May 1992 Remarks line 17 #155 w/o 230																
Pos.		Bot.	T Rack	Trip Depth	Time @ Depth Trip		Monitor Values Sal 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		38	B	190	19:04:20 19:09:20		191.234 5.359 31.865 32.711								5.34 32.7100			11		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 # 005		Vessel MILLER FREEMAN		Proj. & Leg MF-92-07		Event # 40		Vessel Sta. I.D.		Instructions										Sta. Designation			
Consec. Cast #	Latitude Deg. Min. S		N or S	Longitude Deg. W		E or W	Date JD = 152 Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb	Wet Bulb	Bar. mb 1609.5	S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or I.D.
005	55	56	74	N	156	26	05	W	31	MAY	92	19	50	98	90	09	27	250	06	66	1	206	
CTD Type & SN 91220-A SEABIRD				Monitor Checks on Deck at Surface				Times JD/Time Data on _____ at Surface 1938 Start Down 1943 at Bottom _____ Start Up _____ at Surface _____ Data off _____				Data Location Tape/Diskette I.D. _____ File Name/Header Cast 005-31 May 1998 Remarks line 17 Sta. # 156 w/o 201											
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	5		80			81.104	4.593	30.484	31.923								31.9267	30		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 # 006			Vessel MILLER FREEMAN			Proj. & Leg MF-92-07			Event # 42			Vessel Sta. I.D.			Instructions										Sta. Designation									
Consec. Cast #		Latitude N or S			Longitude E or W			Date JD = 152 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.	
006		55 57 48 N			156 31 48 W			31 MAY 92			20 31		11 0		09 5		09		27		25		07		76		1199							
CTD Type & SN 91220-A SEABIRD			Monitor Checks on Deck at Surface										Times JD/Time Data on at Surface 20 18 30 Start Down 20 23 30 at Bottom Start Up at Surface Data off				Data Location Tape/Diskette I.D. File Name/Header Cast 006 - 31 May 2018																	
Press. SN 25084			Press. _____										_____				_____																	
Temp. SN 701			Temp. _____										_____				_____																	
Cond. SN 303			Cond. _____										_____				_____																	
_____			Other _____										_____				Remarks line 17 Sta # 157 w/195																	

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	B	175	2032	2037	174.907	5.141	31.394	32.394						5.12	32.3893	14		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 # 007		Vessel MILLER FREEMAN		Proj. & Leg MF-92-07		Event # 42		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 1009.6	S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or I.D.		
007	5	55	8	18	N	156	37	79	W	31	MAY	92	21	18	10	7	9	2	09	17	24	50	57	61	193
CTD Type & SN 91220-A SEABIRD				Monitor Checks on Deck at Surface				Times JD/Time Data on _____ at Surface 2107 Start Down 2112 at Bottom _____ Start Up _____ at Surface _____ Data off _____				Data Location Tape/Diskette I.D. _____ File Name/Header cast007-31May2107 Remarks line 17 sta 158 5/10/88													
Stn	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	5		160			159.769	4.591	30.723	32.163									32.1638	04		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 # 008		Vessel MILLER FREEMAN		Proj. & Leg MF-92-07		Event # 62		Vessel Sta. I.D.		Instructions										Sta. Designation					
Consec. Cast #	Latitude Deg. Min.		N or S	Longitude Deg.		E or W	Date JD = 153 Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb	Wet Bulb	Bar. mb 1010.0	S.S.	Vis.	Wind Dir.	Wind Sp.	Cloud	Type	Weath.	Bottom Depth, m	Sta. Name or I.D.		
008	54	16	87	N	158	31	72	W	01	JUNE	92	08	58	09	8	08	8	1.0	18	210	063	61	166	08PR	#31

CTD Type & SN 91220-A SEABIRD		Monitor Checks on Deck at Surface		Times JD/Time Data on _____ at Surface _____ Start Down _____ at Bottom 0858 Start Up 0903 at Surface _____ Data off _____		Data Location Tape/Diskette I.D. _____ File Name/Header Cast 008 on June 08/2 _____ no light meter	
Press. SN 25084	Temp. SN 701	Cond. SN 303	Press. _____	Temp. _____	Cond. _____	Remarks 1st cast aborted - No fluorometer attached Error light on, lost frames *Phantom fluorometer voltage readings displayed	
Other _____		Other _____		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	B	500		0903					500.255	4.278	32.139	33.953	ThermS	4.29	33.9507	12		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 # 009			Vessel MILLER FREEMAN			Proj. & Leg MF-92-07			Event # 78			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 1010.3		S.S.	Vis.	Wind Dir.		Wind Sp.		Cloud	Type	Weath.	Bottom Depth, m		Sta. Name or I.D.	
009		53 25 53 N			157 13 94 W			01 JUNE 92			16 53		09 30		08 6		1010.3		18	✓	00 46		14 78		7		BR 28				
CTD Type & SN 91220-A SEABIRD			Monitor Checks on Deck at Surface										Times JD/Time Data on _____ at Surface _____ Start Down 16:39:30 at Bottom 16:53:30 Start Up _____ at Surface _____ Data off _____				Data Location Tape/Diskette I.D. _____ File Name/Header Cast 009 01 June 1997														
Press. SN 25084			Press. _____										Start Down 16:39:30				Tape/Diskette I.D. _____														
Temp. SN 701			Temp. _____										at Bottom 16:53:30				File Name/Header Cast 009 01 June 1997														
Cond. SN 303			Cond. _____										Start Up _____				Remarks no light meter wind light + variable														
_____			Other _____										at Surface _____				no Fluorometer														
_____			_____										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	38	B	400	16:56:20	17:01:20	400.203	4.585	32.322	33.904							4.58	33.9008	20		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 # 010		Vessel MILLER FREEMAN		Proj. & Leg MF-92-07		Event # 100		Vessel Sta. I.D.		Instructions										Sta. Designation												
Consec. Cast #		Latitude N or S		Longitude E or W		Date JD = 154 Day Mo. Yr.			Time GMT Hr. Min.		Dry Bulb		Wet Bulb		Bar. mb 1009.9		S.S.		Vis.		Wind Dir.		Wind Sp.		Cloud Type		Weath.		Bottom Depth, m		Sta. Name or I.D.	
010		52 02 78 N		153 45 65 W		02 JUNE 92			05 00 08		2 0 7 5				1 0 2		8 1		5 5		0 9		5 6		1 4 6 8		0 B PR 30					
CTD Type & SN 91220-A SEABIRD		Monitor Checks on Deck at Surface								Times JD/Time Data on _____ at Surface _____ Start Down _____ at Bottom 0455 Start Up 0500 at Surface _____ Data off _____				Data Location Tape/Diskette I.D. _____ File Name/Header Cast 010 - 02 Jun 0428 Remarks no Fluorometer on light meter w/o 500m																		
Press. SN 25084		Press. _____								Start Down _____				Tape/Diskette I.D. _____																		
Temp. SN 701		Temp. _____								at Bottom 0455				File Name/Header Cast 010 - 02 Jun 0428																		
Cond. SN 303		Cond. _____								Start Up 0500				Tape/Diskette I.D. _____																		
		Other _____								at Surface _____				File Name/Header Cast 010 - 02 Jun 0428																		
										Data off _____				Remarks no Fluorometer on light meter w/o 500m																		

Stn. #	Bot. 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 B	475		0500					474.513	3.548	31.663	34.159		3.55	34.1549	01		1
2		B			Bottom				500.218	34.48	31.597	34.170						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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