Cor	isec	.Cast	# 001	Vesse		Pr EEMAN	oj. & Leg	06 LegII E	vent# Vess	sel Sta. I.D.	Instr	uctions	es 2	***************************************		Sta. E	Designation		
Con		De	Latit		N or	Longitud	de E [Date JD =	144 T	ime GMT Min.	Dry Bulb	Wet Bulb	Bar. mb	Wind Dir.	Wind Pnol	Type Weath.	tom th, m	Sta. Nar or I.D	
00	0 1	5	736	83	N J	5503	73W2	4 M A Y	9 4 0	119-	60	54	964	7060	227	622	4	0	01
		D 9	1220-A					itor Check		(a)	-	JD/Time	2		Data Lo				
			6072		-		n Deck		Surface	St. 18 12 14 14	a on face	7		e/Diskette		File Na	me/Head		0
1.	•	N_7			- 1	Press				- Start D	own	11111		: LDATA -	1061	CAS100 /	- 21111	<u> </u>	7
		N 30	1ULT =	1.0		emp Cond					tom : Up	11835							
	LUC	JK VI	IULI –	1.0		 Other		3 50		at Sur	face a off			rks Moori					
S.		Т	Trip	Tim	$ \downarrow$		Monito	or Values			4.1	Values-CT	D D	San	nple Bot.) ata	Sal.	Other	101
		- 11	11.	Tim Depth	Trip	Press.	Temp.	Cond.	Other	Press.	Temp.	Cond.	Sal.	Therm-P	Avg Tw	Sal.	Bot. #	Samp.	A A
خ ا	38		235		011858	3				234.358	4.526	31.020	32.533	0.131					
2	25	/	50	012325	0128					50.275	5.344	31.006	31.819	0.287	2 11		06	chl	2
3 2	21		30		0129					30.434	5.703	31.251	31.765	0.314				Chl	3
4	26		13		0130		1 kg - 377 11 - 1	8		13.178	5.576	30.880	31.475	1.037			985	chl	4
5 2	0		13	:-(0131		1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 2 2		13.464	5.571	30.882	31.483	1.065				Chl	5
6	22		13	-5	0131					13.480	5.570	30.884	31.486	1,060				Chl	6
7 2	3		10		0132					10.468	5.590	30.882	31.466	0.873	o ² 222			Chl	7
8 2	7		10		0132					10.411	5.588	30.880	31.466	6,946				Chl	8
9 (,		10		0132					10.376	5.585	30.879	31.467	. 7				Chl	9
10	2		0		0133					383		30.875	31.466	0.665				Chl	10
11			11 12 13								2								11
12											8		# 5 3	8	(C. El				12
				· · · · · · · · · · · · · · · · · · ·	-										9 s	3	Initials	V DINC	VF

Pg. <u>2</u> of ____ Consec.Cast # 02 Vessel Proj. & Leg Log Event # Vessel Sta. I.D. MF-94-06 Instructions Sta. Designation Longitude E Date JD = [44] Latitude Time Wind Wind Dir. Sp. US Aceth. Sta. Name Bottom Consec. Dry Wet Bar. GMT or I.D Depth, m Cast # Bulb Bulb mb Deg. Min. S Deg. W Day Mo. Yr. Hr. Min. 1551507W24MAY94044 002 0025740159N CTD Type & SN 91220-A **Data Location Monitor Checks** Times ID/Time 0435 Tape/Diskette I.D. on Deck at Surface Data on___ File Name/Header Press. SN 26072 at Surface__ GAST 002 _ 24 MAYOL 34 Press. _____ 0435 30 Temp. SN 701 Start Down____ at Bottom 0446 Cond. SN 303. Temp. _____ Start Up_____ Remarks Mooring Sta F9401 FLUOR VMULT = 1.0 Cond._____ 318 m wire out 283 may cost depth at Surface _____ Other_____ Data off Sal. Other 3 Conv. Mon. Values-CTD Sample Bot. Data T Trip Monitor Values Time @ Bot. Rack Depth Depth Trip Therm-P Avg Tw Press. Temp. Sal. Press. Temp. Other Cond. Sal. Cond. 28 1 38 251.610 4.430 30.873 32.448 0.122 0448 250 2 25 5.559 31.016 1.009 Chl 0454 60 31.621 61.027 3 21 0.825 0454 50 5.523 30.954 31.591 51.208 4 26 0.85 30.922 31.569 40 0455 Chl 40.803 5.514 5 20 0.802 30 0456 31.392 5.515 30.906 31.553 Chl 6 22 6.834 30.885 31.528 20.741 20 457 5.521 CHE 0.804 23 0458 30.842 31.480 10.344 CLL 10 5.526 6.856 8 27 10 30.829 31.465 0458 10.237 5,526 0,862 6 10 Chl 0458 10.197 5.526 30.816 31.452 1,433 10 2 0.944 0 CM 0459 30.530 31.128 5.531 П П 12 12

Pg. <u>3</u> of ____ Consec.Cast # 03 Vessel Proj Proj. & Leg MF-94-06 Legal Sta. Designation Event# Vessel Sta. I.D. Instructions Longitude E Date JD = Latitude Time Wind Wind Pind Wind Sp. Sp. Sp. The Sp Sta. Name Bottom Consec. Dry Wet Bar. GMT mb S S or I.D Depth, m Cast # Bulb Bulb Deg. Min. S Deg. W Day Mo. Yr. Hr. Min. 15/0/21 1 W 2 4 M A Y 9 4 D 9 2 8. 83708516864 293 003574280N155152 5 7 CTD Type & SN 91220-A **Data Location Monitor Checks** JD/Time Times Tape/Diskette I.D. on Deck at Surface Data on____ File Name/Header Press. SN 26072 at Surface_____ CAST 003 - 24 May 0914 Press. ______ Temp. SN 701 Start Down Cond. SN 303, Temp. _____ at Bottom.____ Start Up_____ FLUOR VMULT = 1.0Cond._____ Remarks Line 8, Fox 61 at Surface_____ Other_____ Mw=288 ~/0=319 Data off_____ Sal. Other so Nats, both # Sample Bot.Data **Monitor Values** Trip Conv. Mon. Values-CTD Time @ Bot. Rack Depth Depth Trip Sal. Therm-P Avg Tw Temp. Temp. Sal. Press. Other Press. Cond. Cond. 0.130 04 32,287 251.195 4.516 250 200 32:38 2 32.019 0.156 199.328 4.938 150 0,388 148.366 5,469 31,732 101.901 5.60+ 100 31.631 1.110 Che, Ma 5 31.595 1,260 (00 60.948 5.598 31.589 1.277 6 ζο 50.859 5.581 7 31.583 1,197 39.078 5-567 40 31.573 1.238 8 29,927 5,556 30 31.538 1.105 9 20,227 5.529 20 31,458 1,066 10 10 5.510 10 10.616 П П 12 12 Initials LLIPW

Pg. _____ of _____ Vessel Proj. & Leg Proj. & Leg MF-94-06 トタエ Consec.Cast # Sta. Designation Event# Vessel Sta. I.D. Instructions Longitude E Date JD = Time
or /4 GMT
By Day Mo. Yr. Hr. Min. Latitude N Wind Wind Pind Sp. Cloud Bottom | Sta. Name Consec. Dry Wet Bar. Consec.
Cast # Deg. Min. S Deg. wb vi ×i Depth, m or I.D Bulb Bulb 004574065N1551013W24MAY941133. 004 283 CTD Type & SN <u>91220-A</u> **Monitor Checks Data Location** Times ID/Time on Deck Tape/Diskette I.D. Data on_____ at Surface File Name/Header Press. SN 26072 at Surface CASTOGY _ 24 May 12/ Press. ______ Temp. SN 701 Start Down____ Cond. SN 303 Temp. _____ at Bottom_____ Remarks 285 40 Line 8, Fox 060 Start Up_____ $FLUOR_VMULT = 1.0$ Cond._____ at Surface_____ Sample Bot. Data Sal. Other Sol. Bot. # Samp. Other_____ Data off____ **Monitor Values** T Trip Conv. Mon. Values-CTD Time @ Bot. Rack Depth Depth Trip Therm-P Avg Tw Temp. Press, Temp. Cond. Sal. Press. Cond. Other 250 250.722 4.202 32.386 0.112 12 2 201,017 4.697 0.133 200 32,070 150 3 149.483 5.131 17 32,015 0.174 4 31.666 1 0.252 100 100.055 5.458 5 31.744 0.485 15 60 60.222 5.497 02 31.736 0.993 l. 50.271 5.567 7 4 40.460 5.597 31.732 \$.235 40 8 8 31.736 1.478 30 30.320 5,636 9 31.724 1.852 20 20.367 5.663 31.716 1.691 10 10,331 5.672 10)_0 10 12 12 Initials 4/PW

Pg. <u>5</u> of ____ Consec.Cast # Vessel MILLER FREEMAN Proj. & Leg Event# Vessel Sta. I.D. MF-94-06 Leg工 Sta. Designation Instructions Longitude E Date JD = Time
or / / / GMT
g. W Day Mo. Yr. Hr. Min. Latitude Bottom Sta. Name Consec. Dry Wet Bar. Cast # Deg. Min. or S Deg. mb S S Dir. or I.D Depth, m Bulb Bulb 005573838N/150431W24MAY94/23/ ००८ 993808010862249 5 6 CTD Type & SN_91220-A **Monitor Checks Data Location** ID/Time Times Tape/Diskette I.D. on Deck at Surface Data on_____ File Name/Header Press. SN 26072 at Surface.... GAST005_24/May 1222 Press. _____ Temp. SN 701 Start Down____ Cond. SN_303-Temp. _____ at Bottom_____ Start Up_____ FLUOR VMULT = 1.0Cond.______ Remarks Line 8, Fox 059 at Surface_____ Max = 212 ; W/o = 21/7

Sample Bot. Data Other____ Data off_____ Sal. Other sign Not Lott # T Trip **Monitor Values** Conv. Mon. Values-CTD Time @ Bot. Rack Depth | Depth | Trip Sal. Therm-P Avg Tw Press. Temp. Sal. Press. Temp. Cond. Other Cond. 241.120 4.522 32.528 0.127 250 2 199, 316 3 938 32.265 0.111 200 150.34 4,974 150 32,114 6.134 100.586 5.122 4 100 31.978 0.17 Che us 60 31.836 2.186 60,451 5.529 50.816 5,558 31.820 1.516 50 31.813 2.348 39.324 5.591 27 40 31.809 2.502 29.582 5.605 28 8 30 31.795 2.025 17.604 5.621 20 29 31,771 2.284 10 10 5471 30 a (9.799 11 12 12

Initials V-/(P)

Pg. <u>6</u> of ____ Sta. Designation Instructions Latitude N Longitude E Date JD = Time Wind Wind Dir. Sp. Q Sta. Name Dry Bottom Consec. Wet Bar. or S Deg. or // GMT W Day Mo. Yr. Hr. Min. Cast # Deg. Min. mb s s or I.D Depth, m Bulb Bulb 006573613N1550025W24MAY941400. 229 006 003807002 CTD Type & SN_91220-A **Data Location Monitor Checks** Times D/Time Tape/Diskette I.D. on Deck at Surface Data on____ File Name/Header Press. SN 26072 at Surface GAST 006 - 24 May Press. Temp. SN 701 Start Down____ Cond. SN 3031 at Bottom_____ Temp. _____ Start Up_____ Remarks Line 8, Fox 58 $FLUOR\ VMULT = 1.0$ Cond._____ at Surface_____ Other_______ max= 225 ; w/o= 229 Data off____ Sal. Other si Bot. # Samp. On North the Sample Bot. Data T Trip **Monitor Values** Conv. Mon. Values-CTD Time @ Bot. Rack Depth Depth Trip Sal. Therm-P Avg Tw Press. Temp. Sal. Press. Temp. Other Cond. Cond. 224.690 4.556 32.558 0.133 250 32 32.393 0.114 198.653 4.321 200 3 120 32 143 0.138 149,878 4.258 4 34 100.171 4-822 32,037 0,196 100 31.194 1-312 5 35 60.894 5.538 100 6 \sqrt{b} 1-8860 50.825 5.600 31,850 31.837 1.989 40 41,069 5.574 8 31.832 1.69 38 8 30.035 5.555 39 9 9 31.828 1.454 19.814 5.565 20 ¥ 10 40 10 9,759 5,680 31.758 1.291 10 11 12

Initials <u>WW</u>

Pg. 7 of ____ Consec.Cast # Vessel Sta. Designation Instructions Longitude E Date JD = HH GMT
or Day Mo. Yr. Hr. Min. Latitude Mind Wind Dir. Sp. Q2 Consec. Dry Bottom Sta. Name Wet Min. Cast # or I.D Depth, m Bulb Bulb Deg. S Deg. 222 007 0 38080137 CTD Type & SN <u>91220-A</u> **Monitor Checks Data Location** Times ID/Time on Deck Tape/Diskette I.D. at Surface Data on____ File Name/Header Press. SN 26072 at Surface CAST 607-24 May 1548 Press. ______ Temp. SN _ 701 Start Down Cond. SN 303. Temp. _____ at Bottom____ Start Up_____ Remarks Line 8, Fox 57 was depth = 217 FLUOR VMULT = 1.0 Cond._____ at Surface_____ Other_____ Data off____ Sal. Other sign Nuts both # T Trip **Monitor Values** Sample Bot.Data Conv. Mon. Values-CTD Time @ Bot. Rack Depth Depth Trip Press. Sal. Therm-P Avg Tw Sal. Other Press. Temp. Temp. Cond. Cond. 250 0.131 216.911 4.636 32.61 A/200 203.551 4.427 32.468 0.113 32,132 150.125 4, 274 6.125 0,151 100,559 9.897 4 100 32.057 mt ch 0.153 100 60.523 4.900 31.940 50.092 5.023 0.173 40 0.215 40.217 5,174 30 30.556 5.614 8 8 31.841 0 993 20,752 5.765 9 1,603 20 31.828 10 10.730 5.640 0.799 10 50 31,719 12

Initials <u>U/M</u>

4.7 Pg. <u>8</u> of ____ Consec.Cast # 608 | Vessel | MILLER FREEMAN | Proj. & Leg Event# Vessel Sta. I.D. Instructions Sta. Designation Longitude E Date JD = Latitude Time Wind Wind Dir. Sp. John Weath Consec. Bottom Sta, Name Dry Wet Bar. GMT S. S. Cast # Depth, m or I.D Bulb Bulb mb Deg. Min. S Deg. W Day Mo. Yr. Hr. Min. 1001.7 50 0 0 08 CTD Type & SN 91220-A **Monitor Checks** ID/Time **Data Location** Times on Deck Tape/Diskette I.D. at Surface Data on____ File Name/Header Press. SN 26072 GAST008-24 May 1727 at Surface_____ Press. ______ Temp. SN 701 Start Down____ Cond. SN 303 Temp. _____ at Bottom_____ Start Up_____ L/ne 8, FOX 56 FLUOR VMULT = 1.0 Cond.______ Remarks at Surface_____ Other____ w/0 204 Data off_____ Sal. Other Samp. Nuts. both # **Monitor Values** Conv. Mon. Values-CTD Sample Bot.Data Trip Time @ Bot. Rack Depth Depth Trip Press. Temp. Other Press. Temp. Therm-P Avg Tw Cond. Cond. Sal. 51 100 32,520 0.120 204.359 4.426 3 3 150 0.122 52 32.219 149,500 3,783 4 4.568 0.125 53 100.593 32.0升 001 Con Ma 5 31.94 4.876 0.163 100 60,701 6 <0 31,963 0.189 5.041 50.696 31.915 SV 5.110 UN 615.0 40.615 30 8 30,639 5.330 31.666 0.397 20 5.494 9 20.657 31, 785 0,504 5.517 10 31.725 0.643 10.577 12 12 Initials LUIPW

Initials LL (W

Сс	nsec	.Cast	t #	Vesse	el		Pro	j. & Leg			ent#	Vessel	Sta. I.D.	Inst	ructions	.,					Sta. [Designati		
			004	MILLE	ER F	REEMAN			-06 /e	CF.			1		1	T 1		<u> </u>					086-	
1	nsec.		Latit	uac		Lon	gitud	e E or	Date	JD 	MB	TIm GM		Dry	Wet	Bar.	Wi	nd Wi	nd 3	3 e	Bol Bo		Sta. Nan	
Ca	st #	De	Deg. Min. S Deg. 5 5 4 2 5 N / 5 91220-A 26072 701 303 VMULT = 1.0 Con					W	Day	Мо.	Yr.	Hr.		Bulb	Bulb	mb (از ان خا کا	r. Sj	ه. ار		≯ Der	oth, m	or I.D	
0	09	5	554	1 2 5	N	1555	9 7	3 W	28 M	AY	9 4	2 3	44.0	6 3	0 5 6	084	830	0 1	7 3	3	1	80		
T	C	ΓD 9	1220-4		Press Temp 0		_	Мо	nitor C	hecks			Ti	mes	JD/Time			Da	ta L	ocat	ion			
					-	Press Temp Cond Other Prip Press.		Deck		at S	Surfac	e .	1	a on		Ta	pe/Disket	te I.D.			File Na	me/Hea	der	
					-	Press					····			rface	234050				_	_(AST ØØ9	- 28MAY	<u> 2339</u>	
	-				Press Temp Cond Other Trip Press.								1	tom					-	-				
_	FLUC	R VN	MULT =	Press = 1.0										t Up		Rem	arks <u>Li</u>	0 17		 	Ha 152	1,17		
			N								(face a off			x depth				79m	(115	vn j			
Š.		Т	Trip	Tim	e @			Moni	tor Va	lues					n. Values-CT			ample	Bot	Dat	a	Sal.	Other Samp.	Š.
8	Bot.	Rack	Depth	Depth	Tri	p Pre	ss.	Temp.	C	ond.	Oth	er	Press.	Temp.	Cond.	Sal.	Therm-	P Av	g Tw		Sal.	Bot. #	Samp.	l g.
1	<i>3</i> 8		MAX	1 /	234	3							75.414	5.711	31.651	32.187	0.778	·····				09	Nut 2108	
2	25	/	-60:	234430	234	9							59.981	5,710	31-640	32.182	0.77	2				4.5	Chl, MZ Nut=210	2
3	21		50		235	50							51.069	5.710	31-632	32.177	0.760	>					CHL, MZ Nut= 210	3
4	26		40		235	1						1	11.736	5.714	31.626	.32.17}	0.791				•		Chl, MZ Nut = 2105	
5	20		30		235	<i>3.</i>						3	31.221	5.724	31.623	32.164	0.861						Chl, MZ Nut= 2104	
6	22		20		<i>2</i> 35	2						2	20.351	5.743	31.632	32./6/	1.090						CHI, MZ Nut = 210	3 6
7	<i>2</i> 3		10		235	-2						,	10.644	5.854	31.724	32.163	1.074						CH1, MZ NJ+2102	7
8	27												:											8
9	6				•			ą.																9
10	2																							10
11																								11
12				·																				12

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C	onsec	.Cast	t # 010	Vesse MILL		EEMAN	Proj. & Leg MF-91	5 4-06 k	Even		ssel Sta. I.D.	. In	structions					Sta. D	esignati	on 087_	1
ŀ	onsec. ast #	De	Latit g.	ude Min.	N or S [Longi Deg.			JD = 12	19	Time GMT r. Min.	Dry Bulb	Wet Bulb	I 0(Bar. mb	Wind is is is is in the second of the seco	Wind PnoC	Weath.		Sta. Nan or I.D	
			5 5 5		N /	5610	7 O W	2 9 M	1 A Y 9	40	100	06	05			828			94		
 T./	C 2	TD 9	1220-A					onitor (Checks		Т	imes	JD/Time				Data Lo	cation			
	-		6072	· · · · · · · · · · · · · · · · · · ·	-		on Deck		at Su	rface	1	ta on			Тар	e/Diskette	I.D.	File Nan	ne/Hea	der	
	emp. S				-	Press						ırface Down	0053					CAST dig-	29MAYC	052	
	ond. S				- .	Temp						ottom					·			<u> </u>	
			MULT =	1.0	1	Cond						rt Up									
_	1 600	<u> </u>	MOLI -	1.0							1	ırface			Rema	~(5ta 153 (,		
			T.:.	· · · · · ·		Other						ta off			Mo	y cast dep	th 191 m	ພເປ		195	Π.
Pos.	Bot.	T Rack	Trip Depth	Tim Depth	e @	Press.	Temp	itor Va		Other	Press.	Jonv. Mo Tem	on. Values-Cond.		Sal.	Therm-P	nple Bot.D Avg Tw		Sal. Bot. #	Other Samp.	Pos
ı	<i>3</i> 8		XAM		0100						190.713				3.056	0.154				NA HIT	١.
2	25		150		0101						148.946	, 4.802	? 31.303	3 32	2.633	0.122			30	Nut 1416	I^-
3	21		100		0103	3					101.244		30.28	4 32	2.143	0.139			:	Nv+ 1415	<u> </u>
4	26		60		0104						59.772	5.730	31.679	32	.208	0.307			*	Chl MZ Not- 1414	4
5	<i>2</i> 0		50		0101						49.367	5.927	31.820	32	-189	0.299				CHI MZ Not = 1413	1 3
6,	22		40		0105						39.069	6.32	32.145	5 32	2.176	0.335			<u> </u>	CHI MZ Nut=1412	•
7	23		<i>3</i> 0		0106	2					29.001	6.49	32.276	3.2	1.166	0,307				CH MZ NUT: 1411	
8	27		20		010	0					19.824	6.38	1 32.094	32	-072	0.991				Ch1 MZ Nut=1410	8
9	6		10		0107	,					9.994	5.839	31.371	31	.782	3.830				CH MZ Nut=1409	
10	2								<u> </u>		<u> </u>										10
11						_															11
12																					12

1 38																					Pg	11_	of	
Case	Co	nsec	Cası		l l			oj. & Leg MF-9 ¹	; +- 06 <i>[</i>			Vessel	Sta. I.D.	Instr	uctions	: ¥				St	a. Desig	natio	n 088-	.1
Type &	ŀ		Latitude Catalog Cat		or		de E or	Date	JD = 1	49	GM	T	•			S. S. *	Wind ত্র	Wind Proc		Bottom	Si	ta. Nan	ne	
Press. SN 26072	O	1 1	5	55	5 44	N /	56148	3 8 W	2 9 M	1 A Y	9 4	01	570	6 6	0 5 7	0	7 3	8280	187	3 1	220			
Press. SN 26072	Tvr	C Se & S	TD 9	1220-4	4				onitor (1		•		_							
Temp. SN 701						-	0.	n Deck		at S	urface	e			0149		Тар	e/Diskette	I.D.					
Start Up Data off	Te	mp. S	Latitude Color		_ 1	Press.						1			-				ÇAST	<i>911-</i> 27	MATC	1148		
Sample Bot.						1									· · ·	<u> </u>								
Sal Depth Trip Press Temp Cond Other Press Temp Cond Sal Therm-P Avg Tw Sal Bot. Bat Bot. # Samp Sal Bot. # Sal		FLU(OR VA	MULT =	1.0	_							at Sur	face										
2 80t. Rack Depth Depth Trip Press. Temp. Cond. Other Press. Temp. Cond. Sal. Therm.P Avg Tw Sal. Bot. # Samp. C. 1 38 200 0157 200.420 5.310 32.295 33.245 0.138 32.582 0.155 3 hit H25 1 150.386 4.872 31.318 32.582 0.155 3 hit H25 1 150.386 4.872 31.318 32.582 0.155 3 hit H25 1 150.386 4.872 31.318 32.582 0.155 3 hit H25 1 150.386 4.872 31.318 32.582 0.155 3 hit H25 1 150.386 4.872 31.318 32.582 0.155 3 hit H25 1 150.386 4.872 31.318 32.582 0.155 3 hit H25 1 150.386 4.872 31.318 32.582 0.155 3 hit H25 1 150.386 1 100 0.207 0.154 1 100 0.207				Tuis	1					- I -							ma				wire	s out	-= 220 Other	,
1 38	Pos.	Bot.	l Rack	Depth	Depth	e ⊚ Trip	Press.				Oth	er					l.				Вс	ot. #	Samp.	Pos
3 21 100 0206 99.873 5.346 31.439 32.285 0.255 11.1 M24 3 4 26 60 0207 61.502 4.188 30.210 32.006 0.154 11.1 M2 5 5 20 50 0208 50.849 5.081 31.015 32.080 0.260 11.5 M2 5 6 22 40 0208 40.761 5.027 30.901 32.006 0.357 11.5 M2 5 7 23 30 0209 31.078 5.624 31.278 31.870 1.524 11.578 11.				A. Table 2 . 1 . 2 . 1 . 1 . 1 . 1 . 1 . 1 . 1 .									200.428	5.310	32-295	33.2	45			and the second			Not 1426	. 1
4 26 60 0207 61.502 4.188 30.210 32.006 0.154 61.502 4.188 30.210 32.006 0.154 61.502 61.502 4.188 30.210 32.006 0.154 61.502 61	2	25	/	150	015925	0204							50.386	4.872	31.318	3258	32	0.155				3	Nut 1425	2
4 26 60 0207 61.502 4.188 30.210 32.006 0.154 N.1-1/123 4 5 20 50 0208 50.849 5.081 31.015 32.080 0.260 CN M2 N.1-1/125 6 6 22 40 0208 40.761 5.027 30.901 32.006 0.357 CN M2 N.1-1/12 6 7 23 30 0209 31.078 5.624 31.278 31.870 1.524 CN M2 N.1-1/12 7 8 27 20 02.09 21.126 5.820 31.389 31.814 1.578 CN M2 N.1-1/19 8 9 6 10 0210 10.737 5.702 31.172 31.688 0.540 CN M2 N.1-1/19 9 10 2	3	21		100		0206							99.873	5.346	31.439	32.2	85	0.255						
5 20 50 0208 50.849 5.081 31.015 32.080 0.260 N.H. PIZ 5 6 22 40 0208 40.761 5.027 30.901 32.006 0.357 N.H. PIZ 6 7 23 30 0209 31.078 5.624 31.278 31.870 1.524 N.H. PIZ 7 8 27 20 0209 21.126 5.820 31.389 31.814 1.578 N.H. PIZ 8 9 6 10 0210 10.737 5.702 31.172 31.688 0.540 CM MZ N.H. PIZ 9 10 2 10 2 10 11	4	26		60		0207							61.502	4.188	30.210	32.0	06	0.154					Nut=1423	4
9 22 40 02.08 40.761 5.027 30.901 32.006 0.357 Note 1421 0 7 23 30 02.09 31.078 5.624 31.278 31.870 1.524	5	20		50		<u>૦૨૦</u> ૬	<u> </u>						50.849	5.081	31.015	32.0)පිර	0.260					NY = 1450	5
7 23 30 0209 31.078 5.624 31.278 31.870 1.524 Not-1420 1 8 27 20 0209 21.126 5.820 31.389 31.814 1.578 Not-1420 1 9 6 10 0210 10.737 5.702 31.172 31.688 0.540 10 11 11 12 12 12	6	22		40		0208	,						40.761	5.027	30.901	32.c	06	0.357	·			ļ	Nut = 1421	<u> ^</u>
8 27 20 02.09 21.126 5.820 31.389 31.814 1.578 N.J=1419 0 02.09 10 737 5.702 31.172 31.688 0.540 Chi MZ 9 N.J=1418 9 10 2 — 10 11 11 12 12 12 12 12 12 12 12 12 12 12	7	23		30		<u>6050</u>						;	31.0 7 8	5.624	31.278	31.8	70	1.524					Nut=1420	1
10 2 - 10 11 12	8	27		20		02.09							21.126	5.820	31.389	31.8	14	1.578				ļ	NJ+=1419	· [°]
11	9	6		10		0210							0.737	5.702	31.172	31.6	<u> </u>	0.540					CH MZ NJ-14/	9
12 12	10	2																						10
	II																							11
	12																							12

Initials WF/DD

Pg. <u>12</u> of ____ Sta. Designation
089_1 Consec.Cast # Vessel Proj. & Leg Event # O12 MILLER FREEMAN MF-94-06 Leg II 298 Event# Vessel Sta. I.D. Instructions Latitude Longitude [Date JD = 149] Tlme Sta. Name Bottom Dry Consec. Wet Bar. or GMT W Day Mo. Yr. Hr. Min. mb s s s Cast # Deg. Depth, m or I.D Bulb Bulb S Deg. Min, 012555601N1562106W29MAY940305-065 0748285 0 5 7 CTD Type & SN 91220-A **Data Location Monitor Checks** ID/Time Times 0257 Tape/Diskette I.D. on Deck at Surface Data on___ File Name/Header Press. SN 26072 at Surface__ GAST Ø12 - 29 MAY 0257 Press. ______ 0258 Temp. SN 701 Start Down 0304 Cond. SN 303 Temp. _____ at Bottom____ Start Up_____ $FLUOR\ VMULT = 1.0$ Cond._____ Remarks Line 17 - FOX Sta 155 (210 m) at Surface_____ 0304 wire out = 220 Other_____ max cast depth: 219 Data off____ Sal. Other 5 Sample Bot.Data **Monitor Values** Conv. Mon. Values-CTD T Trip Time @ Bot. Rack Depth Depth Trip Sal. Therm-P Avg Tw Sal. Temp. Cond. Press. Temp. Other Press. Cond. Nut 1435 33.052 38 5.252 32.075 0305 200-557 0.119 200 2 Nut 1434 2 25 32.260 0.303 31.483 150 151.042 5.398 0307 3 Nut 1434 3 21 30.375 31.986 0.136 0308 101.051 4-387 100 chl MZ Nut = 1432 4 26 61.168 4.621 30.453 31.871 0.147 03/0 60 CHI MZ 20 51.188 4.702 30,475 31.822 0.195 Nut = 1431 0310 50 CHI MZ Not=1430 6 22 4.784 30.505 31.785 0.266 40.726 0311 CHI MZ 23 29.964 4.819 30.524 31.778 0.327 Not = 1429 03/1 30 CHI ME Nut=1428 27 4.929 30.614 31.781 0.296 20 03/2 21.112 Nut : 142 9 CHI ME 31.775 0.289 30.822 0312 10.627 5.190 10 2 П 12

Initials $\frac{\text{WF}}{DD}$

Pg. <u>13</u> of ____ Consec.Cast # Vessel Proj. & Leg Event#
O13 MILLER FREEMAN MF-94-06 Leg II 300 Sta. Designation Event# Vessel Sta. I.D. Instructions 090-1 Latitude Longitude E Date JD = 149 Time Wind Wind Dir. Sp. US Sta, Name Bottom Consec. Dry Wet Bar. **GMT** S. S. Cast # Deg. Depth, m or I.D Bulb mb Bulb Min. S Deg. W Day Mo. Yr. Hr. Min. 1006.6 01355643N1562594W29MAY940401066 205 0 5 07483001466 CTD Type & SN <u>91220-A</u> **Data Location Monitor Checks** Times JD/Time 0353 Tape/Diskette I.D. on Deck at Surface Data on_ File Name/Header Press. SN 26072 at Surface___ GAST Ø13_ 29 MAY 0353 0354 Temp. SN 701 Start Down___ Cond. SN 303 at Bottom 0401 Temp. _____ Start Up_____ FLUOR VMULT = 1.0 Cond._____ Remarks Line 17 - FOX Sta 156 (210m) at Surface_____ wire out = 201 Other____ 0401 may cast depth: 202 Data off Sal. Other of Bot. # Samp. Sample Bot.Data **Monitor Values** Trip Time @ Conv. Mon. Values-CTD Bot. Rack Depth Depth Trip Therm-P Avg Tw Press. Temp. Temp. Cond. Other Press. Cond. Sal. 201.645 5.278 Not 1944 1 38 33.308 200 0401 32.323 141.0 2 25 Not 1413 2 151.397 4.377 30.350 31.942 0.159 150 0402 3 21 Not 1442 3 30.459 0404 100.913 4.664 31.817 0.212 100 Chl MZ -4--26 4.774 31.794 0.279 60.485 30.514 Not = 1441 60 0405 CMI MZ 20 0.308 51.150 4.780 50 0406 30.511 31.790 Nut=1440 CHI MZ 22 30.526 31.779 41.212 4.814 0.283 Not = 1439 40 0407 CH MZ 23 30.546 31.768 4.856 0.319 30 0407 30.899 Nut=1433 ON WE ON MZ Not=14378 8 27 30.763 31.752 20 0408 21.200 5.138 0.371 CHI ME 31.120 31.718 0.396 6 10 6040 10.343 5.608 Nut=1436 10 10 2 12

C	onsec	.Cast	t # 014	Vesse			Proj. & Leg	0.6.1	vent#	Vessel	Sta. I.D.	Instr	ructions				St	ta. Designat	ion 091-	<u> </u>
	nsec. st #	De	Latit		N or S D	EMAN Longio		Date JD =	= 149	Tim GM Hr.	Т	Dry Bulb	Wet Bulb	Bar. mb	Wind S is Dir.	Wind Pno	Type Weath.	Bottom Depth, m	Sta. Nar or I.D	me
0	14	5	55	7 3 2		5630	9 5 W	2 9 M A	Y 9 4	04	560	7 0	057	1 1	8320		61	196		
T	C	ID 9	1220-4					nitor Chec	ks	_	Tir	nes	JD/Time			Data Loc	ation			-
			6072	`	-		on Deck	a	at Surfac	ce		a on		Тар	e/Diskette	I.D.	File	Name/Hea	ıder	
	ess. 3 mp. S				- _P	ress					at Sur Start Do		0450				CAST	D14-29MA	M 0446	7
	nd. S				-						at Bot		0456							
			1ULT =	1.0		•					Start	Up		Rema	nlen / s			15-7 /201		
		// //		1.0		Other						face				17 - FOX		-	· .	^
		т	Trip	Tim	_		Moni	tor Values				off	. Values-CT		x cost de	nple Bot.D		Sal.	Other	
Pos	Bot.	Rack	Depth	Depth	Trip	Press.	Temp.		Otl	her	Press.	Temp.	Cond.	Sal.	Therm-P		Sal		Other # Samp.	Po
1"	38		ХАм		0456						89.438	4.209	30.307	32.035	0.142				Nut 145	3 1
2	25	شنبن	150	·	0458					j	· · · · · · · · · · · · · · · · · · ·	•	()	2 - W. J.	4, , , , , , , , , , , , , , , , , , ,				1%	2
3	21		150	045800	०५०३					1	49.673	4.543	30.451	31.900	0.157		,	29	Nut 145	2 3
4	26		100		0504					4.	00.210	4.836	30.61B	31.835	0.168				Nut 145	4
5	20		60		OS 0.5				-	6	0.981	4.856	30.562	31.770	0.173				Ch1 MZ NJ+: 145	5
6	22		50		0506					5	0.591	4.956	30.623	31.750	0.190				Ch1 MZ Not 144	9 6
7	23		40		0507					4	11.056	5.057	30.699	31.746	0.195				M7+1448 CH W€	_ i _ `
8	27		30		0507					3	0.650	5.148	30.752	31.725	0.232				104 144 CM W3	7 8
9	6		20		యంద్ర					2	0.821	5.290	30.831	31.685	0.303				CM MZ	6 9
10	2		10		o <i>5</i> 08						9.943	5.783	31.180	31.620	0.682				Ch! M= Nut=144	<u> </u> 10
Ш						<u> </u>														11
12																				12

two bothles tripped at 150m: one at stort of 5 min soak - only this one has log file entry

Initials <u>DD/WF</u>

	•																Р	g. <u>15</u>	of	^
С	onsec	. Cast	t # 015	Vesse MILL		SEEMAN	Proj. & Leg	3 4-06 l	Even eg II 30		el Sta. I.D.	Instr	ructions				Sta. I	Designati	ion 092 -	
i	nsec. ist #	De	Latit g.		N or		tude E or W	Date	JD = 1- Mo. Y	19 Ti	me MT Min.	Dry Bulb	Wet Bulb	Bar. mb	Wind	Wind Pno	Type Weath.	ttom oth, m	Sta. Nan or I.D	
0	15	5	5 5 8	3 2 3	N,	5638	08 W	291	1 A Y 9	406	0 0 -0	6 5	055	1 1 1	.1 1 1 1	0197		88		
Ty	C be & S	TD 9	1220-A	١		•			Checks				JD/Time			Data Lo				
			6072				on Deck		at Su	rface	4		<u>0553</u>	Tap	e/Diskette	I.D.		me/Hea		
	mp. S				_	Press					at Sui Start D	face	0554				CAST 415	- 29MA	N 0553	
	ond. S				- 1							tom	0600			*				
			1ULT =	1 0								t Up	0600							
_	1 - 00)// VI	<u> </u>	1.0	_						1	face			arks Line					
_						Other			-			a off	0600		cast dept			vire our		
So.	Bot.	T Rack	Trip Depth	Tim Depth	e @ Trip	Press		itor Va		Other	Press.	onv. Mon. Temp.	Values-CT Cond.	Sal.	Therm-P	nple Bot.D Avg Tw		Sal. Bot #	Other Samp.	Pos.
<u>-</u>	38			Сереп	0600					Other	185.318				0.158		Jai.		Nut 162	
2			MAX											<u> </u>						
3	25	√ "	150	O60135	060	1					149.754		30.450	31.941	0.215			15	Nut 161	
	21		100		0609		_				101.438	4.769	30.559	31.831	0.365				Nut 160	3
4	26		60		0010						60.772	4-919	30.618	31.775	0.384				Chl MZ Not 159	4
5	20		50		0611				<u>.</u>		50.575	5.073	30.712	31.741	0.457				CHL MZ NA 158	
6	22		40		0612					Î	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				CH MZ	7
8	27		20		0613	,							30.745						Nut 156 Chi MZ Nut 155	
9	6		10		0612		4				9.190	5.152			0.517				NUT 153 Ch1 MZ Nut 1454	
10	2			· · · · · · · · · · · · · · · · ·		<u> </u>					7.170								17VJT 1434	10
[]														<u>.</u>	 				+	11
12														<u>.</u>	 -					12
1		- 1	i		l	1		ı				}	1		ł	I	I	1	1	

Pg. 16 of ____ Consec.Cast # Vessel MILLER FREEMAN j. & Leg Event# Vessel Sta. I.D. MF-94-06 Leg II 343 Proj. & Leg Sta. Designation Instructions 097-1 Longitude E Date JD = 149 Latitude Time Wind Wind Dir. Sp. Cloud Sta. Name Dry Bottom Bar. Consec. Wet mb (3) 5 GMT Cast # Deg. or I.D Depth, m Bulb Bulb W Day Mo. Yr. Hr. Min. Min. S Deg. 01656180711564803 W 29MA Y 942135056 06483052633 0 4 CTD Type & SN 91220-A **Monitor Checks Data Location** Times ID/Time Tape/Diskette I.D. on Deck at Surface Data on File Name/Header Press. SN 26072 2130 at Surface__ CAST 016 - 29 MAY 2130 Press. ______ Temp. SN 701 Start Down___ 2131 2134 Cond. SN 303. at Bottom..... Temp. _____ Start Up _____2135 FLUOR VMULT = 1.0Cond._____ Remarks Line 16 FOX Sta 147 (99m) at Surface_____ Other_____ may cast depth 100 wire out 101 Data off_____ Sal. Other Sample Bot. Data Monitor Values Conv. Mon. Values-CTD Trip Time @ Bot. Rack Depth Depth Trip Bot, # Samp. Therm-P Avg Tw Temp. Other Sal. Sal. Press. Cond. Press. Temp, Cond. Not 1469 38 100 2134 2134 100.369 4.476 30.260 31.766 0.211 Chl MZ 25 60 213610 2141 4.964 61.232 30.588 31.698 0.182 Nut 1468 SM INC 3 21 5.430 30.896 31.613 0.375 50 2142 50.087 Nut 1467 Ch(MZ 5.562 31.002 31.612 0.460 2142 40.611 Nut 1466 26 40 CHI MZ 5 20 2143 5.582 31.014 31.613 0.472 29.359 Nut 1465 30 Chl MZ 2144 5.590 0.460 Nut 1464 22 20.340 31.017 31.614 20 CW/ WZ 23 2144 0.375 11:294 5.616 31.036 31.615 10 Nut 1463 8 27 6 10 10 2 П 12 12

Initials DD | WF

																				Pg. <u>17</u>	of	
Cons	ec.C	Cast	# 017	Vess		REEMAN	Proj	. & Leg	; ; ;+- 06		rent# 3시し	Vessel	Sta. I.D.	Inst	ructions				Sta	a. Designat	ion 098_	1
Conse Cast	<u>и</u> I	Deg	Latit		Z or S		ngitude		Date	JD =		Tin GM Hr.	IT .	Dry Bulb	Wet Bulb	Bar. mb	Wind	Wind Pno		Bottom Pepth, m	Sta. Nai or I.D	me
0 1	7.	5 (621	5.9	Z	1565	5 2 1	O W	2 9 M	IAY	9 4	2 2	45-0	5 4	0 4 2		4830			129		
Type & Press			1220-A	1			on	M o Deck	onitor (s Surfac	e	Dat	mes ta on	JD/Time 2240	Ta	pe/Diskette	Data Loc	File I	Name/Hea		
Temp Cond	.SN	<u> 70</u>)1			Press Temp							Start D	rface own ttom	2241 2245				CAST Ø	17 - 29M	<u> </u>	1
<u> FL</u>	<u>UOR</u>	. VM	ULT =	1.0		Cond Other_							at Su	t Up rface a off	2245	 į	iarks Line x Cast Dep			18 (102 m	•	.
SO BO	t Ra	T	Trip	Tim Depth	ie @	Du Du	ess.		itor Va		0.1		C	onv. Mon	. Values-CT	D	Sai	nple Bot.D	Data	Sal.	Other	so.
1 21	Ţ		<i>1</i> 00	Depth	22		ess	Temp	·	ond.	Oth		Press. 99.787	Temp. 시·੫20	Cond. 30.218	Sal.		Avg Tw	Sal.	Bot. 7	Not 199	٦.
2 26	十	1	60	<u> </u>	22-							7	60.224	4.607							CML MZ	- 7
3 20	+	\neg	50	<u> </u>	22							- 	51,411	4.861	30.505	31.706					Nut 198 Chl Mi Nut 197	7 ,
4 22	_		40		22.4								11.267	4.990	30.593	31.689	0.221				Chl MZ Nut 196	- 4
5 23			3o		224								29.991	5.429	30.919	31.649	0.392	<u> </u>			Chi Ma Nut 195	ž 5
6 27			20		225	50							20.910	5.581	31.035	31.642					Chl MZ NJ 194	- 4
7 6			10		<i>2</i> 25	0						,	0.502	5.619	31.062	31.642	0.324				CHL MZ	
8 2			<u> </u>																			8
9	_		- 300 - 000					,														9
10			,								,				·							10
11	_																					11
12								WEST SERVE AND A														12

Pg. <u>18</u> of ____ Consec.Cast # Vessel Event# Vessel Sta. I.D. Sta. Designation Proj. & Leg Instructions OIS MILLER FREEMAN 099-1 MF-94-06 Leg # 349 Longitude [Date JD - 149 Latitude Tlme Wind Wind Pir. Sp. Cloud Again Sta. Name Consec. Bottom Dry Wet Bar. mb s s GMT Cast # Deg. Depth, m or I.D Bulb Bulb S Deg. W Day Mo. Yr. Hr. Min. 0185624111111565454429447942344050038 07483053023 CTD Type & SN <u>91220-A</u> **Data Location Monitor Checks** ID/Time Times on Deck Data on___ 2339 Tape/Diskette I.D. at Surface File Name/Header Press. SN 26072 at Surface____ CAST \$18 - 29 MAY 2338 Press. ______ 2340 Temp. SN _ 701_ Start Down____ at Bottom 2344 Cond. SN_3034 Temp. _____ Start Up_____ FLUOR VMULT = 1.0 Cond._____ Remarks Line 16 - FOX Sta 149 (110 m) at Surface____ wire out: 125 Other_____ May Cast Depth: 112 Data off Sal. Other o Trip Monitor Values Conv. Mon. Values-CTD Sample Bot. Data Bot. Rack Depth Depth Trip Time @ Press. Therm-P Avg Tw Temp. Sal. Sal. Temp. Cond. Other Press. Cond. 21 100.745 4.159 Nut 206 2345 0,148 100 30.019 31.791 Chi MZ 26 31.771 0.172 61.234 4.337 2346 30.132 Nut 205 Chi MZ 3 20 31.712 0.252 2347 48.652 4.742 30.411 50 Nut 204 Chi MZ 4 0.350 22 40 41.076 5.086 30.676 31.692 2348 Nut 203 CHI ME 23 30 30.675 5.420 30.924 31.664 0.362 2348 Not 202 CHI MZ 19.425 5.520 31.006 31.667 27 20 2349 0.326 Nut 201 CHI MZ 6 5.517 2350 10.331 31.000 31.668 0.261 10 Nut 200 8 2 9 10 10 П Н

12

Initials <u>WF/DD</u>

12

Pg. <u>19</u> of ____ Consec.Cast # Vessel Proj. & Leg Event#
O19 MILLER FREEMAN MF9406 Leg II 351 Event# Vessel Sta. I.D. Sta. Designation Instructions 100-1 Latitude N Longitude E Date JD = 150 Time Bar. Wind Wind Pno Charles A Charles Bottom Sta. Name Consec. Dry Wet Consec.
Cast # Deg. Min. S Deg. or GMT W Day Mo. Yr. Hr. Min. Bulb Bulb Depth, m or I.D 019562656N1565722W3OMAY940036052 10 0 3 8 07483053033 **Monitor Checks** Times **Data Location JD/Time** Type & SN 91220 - A on Deck at Surface Data on_ 0032 Tape/Diskette I.D. File Name/Header Press. SN 26072 0031 at Surface___ CASTØ19_30MAY ØØ31 Press. _____ 0032 Start Down_ 0036 Cond. SN ____ 303 at Bottom____ Temp. _____ Start Up_____ Cond._____ Remarks Line 16 - FOX Sta 150 (91 m) at Surface_____ Max Cast Depth 94 Sal. Other of Bot. # Samp. Other______ Data off Sample Bot.Data Monitor Values Conv. Mon. Values-CTD 丁【 Trip 】 Time @ Bot. Rack Depth Depth Trip Sai. Therm-P Avg Tw Sal. Press. Temp. Press. Temp. Cond. Cond. Other 21 / 21 Not 213 85 85.544 5.229 30.829 31.710 003645 1400 0.261 Chl MZ Nut 212 2 2 26 5.312 30.876 31.695 0.276 60 0042 61.397 Chi MZ 3 3 20 50 ∞ 43 49.937 5.340 30.894 31.695 0.283 Nut 211 Chl MZ 4 4 22 5.486 30.989 31.670 0.368 0044 39.878 40 Nvt 210 CHI ME 5 23 31.168 31.645 0.493 4400 5,732 29.713 *3*0 Nut 209 Chi MZ Nut 208 6 6 27 5.746 31.159 0045 20.341 31.627 0.486 20 CHI MZ 7 0045 10.522 5.725 31.123 31.610 0.361 10 Not 207 8 2 10 10 П 11 12

12

Initials WF DD

Pg. <u>20</u> of ____ Consec.Cast # Vessel Proj. & Leg Event# Vessel Sta. I.D. Sta. Designation Instructions MILLER FREEMAN MF 9406 - Leg II 353 020 101_1 Latitude N Longitude E Date JD = 150 Time Bar. Si Dir. Sp. On High Sp. O Bottom Sta. Name Consec. Dry Wet Cast # Deg. Min. or S Deg. or GMT W Day Mo. Yr. Hr. Min. or I.D Bulb Bulb Depth, m 020562981N1565992W30MAY9401360680414 0 7 4 8 3 2 0 2 8 4 3 CTD **Data Location Monitor Checks** Times ID/Time on Deck 0132 at Surface Data on__ Tape/Diskette I.D. File Name/Header Press. SN 26072 0132 at Surface___ CAST \$20 - 36MAY 0132 Press. ___________ Temp. SN ______701 0133 Start Down____ at Bottom 0135 Cond. SN <u>303</u> Temp. _____ Start Up_____ Cond. Remarks Line 16 - FOX Sta 151 (44m) at Surface_____ Max cast depth: 47

Sample Bot. Data
Sal. Other sol.

Therm-P Avg Tw Sal.

Bot. # Samp. Other_____ Data off_____ Trip Monitor Values Conv. Mon. Values-CTD Time @ Bot. Rack Depth Depth Trip Bot. # Samp. Therm-P Avg Tw Sal. Press. Temp. Temp. Cond. Other Press. Cond. Sal. 2 3 | 21 Nut 218 3 XAM 0135 5.334 46.805 32 30.800 31.596 0.356 Not 217 4 Chl MZ 4 26 40 0135 39.869 5.360 30.816 31.593 0.366 CHI MZ 5 20 0136 30 29.417 5 420 30 352 31 583 0.384 Nut 216 Chl MZ 6 Nut 215 6 22 20 5.477 30.877 31.562 0.367 19.932 0140 Chi MZ 23 10 0140 10.172 5.479 | 30.875 | 31.562 | 0.291 Nut 214 8 8 27 10 2 10 11 11

12

Initials WF/DD

Pg. <u>Z1</u> of ____ Sta. Designation Consec.Cast # Vessel Vessel Proj. & Leg Event# Vessel Sta. I.D.

O21 MILLER FREEMAN MF9406 Leg III 355 Instructions Latitude N Longitude E Date JD = 150 Time GMT Bar. Wind Wind Dod Bottom Sta. Name Sp. OD Depth, m or I.D Consec. Dry Wet Consec.
Cast # Deg. Min. S Deg. or GMT W Day Mo. Yr. Hr. Min. Bulb Bulb 021562702N1565872W3OMAY940231049 038074830522631 80 CTD **Monitor Checks** Times ID/Time **Data Location Mo**r on Deck JD/Time Data Lt

O228 Tape/Diskette I.D. 91220-A Type & SN___ Data on____ at Surface File Name/Header Press. SN 26072 0227 at Surface____ CASTØ21 - 30MAY 0228 Press. Temp. SN _______ Start Down 0229 at Bottom 0231 Cond. SN______303 Temp. _____ Start Up_____ Fluorometer Volt X 1.0 Cond._____ Remarks Mooring F9443 Recovery at Surface_____ Max cast depth: 77 Wire out 79 Other_____ Data off_____ Sal. Other so Bot. # Samp. Sample Bot.Data T Trip Time @ Monitor Values Conv. Mon. Values-CTD Press. Sal. Therm-P Avg Tw Sal. Temp. Cond. Press. Temp. Cond. Other Not 225 1 38 73.696 5.314 30.847 31.655 0.317 75 0232 Chi 2 20 Nut 224 2 25 60.947 5.392 30.964 31.653 0.352 60 023250 0238 Nut 223 3 3 21 45 46.333 | 5.435 | 30.935 | 31.654 | 0.366 0239 Chl Not 222 4 4 26 30.378 5.578 31.034 31.639 30° 0239 0.444 Chl 5 20 0.508 20 0240 20.525 5.738 31.147 31.620 Not 221 6 22 11.026 5.752 31.153 31.619 0.505 10 0241 Chl 7 23 10.157 | 5.753 | 31.153 31.619 0241 0.489 Chl Nut 220 8 8 27 5.750 0241 10.223 31.151 31-619 0.466 Chl 31.145 31.619 6 0.586 5.748 0.347 0242 Nut 219 \bigcirc 10 2 11 П

12

Initials WF DD

C	onsec	.Cast	.#022	Vesse	l ER F	Pro FREEMAN	oj. & Leg	06 lea T	Event#	Vessel :	Sta. I.D.	Instru	ıctions					esignatio		
Co	nsec. st #		Latit		N or	Longituc Deg.	le E or	Date JD Day Mo	= 150	Time GMT Hr.	Γ	Dry Bulb	Wet Bulb	Bar. mb	Wind Sind Dir.	Wind Pno	Neath Deb	tom S	Sta. Nan or I.D	ne
0	2 2	5	647	7 1 7	N 1	56207	6 W	3 0 M A	194	21	150	5 2	032		8135			90		
Pi Te	Start Up 2115 Remarks																			
<u>-/</u>	Start Up															3				
Pos.	Bot.	T Rack	Trip Depth	Tim Depth	e @ Trip	Press.	Moni Temp.			er	Co Press.	onv. Mon. Temp.	Values-CT Cond.	D Sal.		n ple Bot.D Avg Tw		Sal. Bot. #	Other Samp.	Pos.
			an an area area											2 10 10 10 10 10 2 10 10 10 10 10 10 10 10 10 10 10 10 10			e 11 m 1 1 e 11 1 1 1 1			
2			198																	2
3																				3
4	38		150		2115	-				1	86.916	4.396	30.501	32.080	0.149		·	08		4
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																		Initials _	DD/W	E_

Pg. <u>23</u> of ____ Sta. Designation Consec.Cast # Vessel Proj. & Leg Event# 23 MILLER FREEMAN MF9406 Leg II 399 Event# Vessel Sta. I.D. Instructions Latitude N Longitude E Date JD = 150 Time Bar. Si Wind Wind Pnol Si Si Dir. Sp. On Phol Sp. Joo6 25 Bottom Sta. Name Consec. Dry Wet Consec.
Cast # Deg. Min. S Deg. or GMT W Day Mo. Yr. Hr. Min. or I.D Bulb Bulb Depth, m 02356400111560606W30MAY942244050030 06281300626 CTD **Mo**r on Deck **Monitor Checks Data Location** Times |D/Time Type & SN 9/220 - A 2234 at Surface Data on__ Tape/Diskette I.D. File Name/Header Press. SN 26072 2234 at Surface__ CAST \$23_3 MAY 2234 Temp. SN 701 2235 Start Down_ Cond. SN______303 Temp. _____ at Bottom 2243 Start Up 2244 Fluoromater volt x 1.0 Cond._____ Remarks at Surface_____ Max cast depth: 262 m Wire out: 265 Other_____ Data off____ Sal. Other Son Bot. # Samp. Monitor Values Conv. Mon. Values-CTD Sample Bot.Data T Trip Time @ Bot. Rack Depth Depth Trip Therm-P Avg Tw Cond. Press. Temp. Cond. Sal. Press. Temp. Other 2 3 4 4 02 248.569 5.055 31.815 0.116 224435 2249 32.923 5 5 6 6 7 8 8 9 9 10 10 11 11

12

Pg. <u>24</u> of ____ Sta. Designation Vessel Proj. & Leg Event#
MILLER FREEMAN MF 9406 Leg II 402 Vessel Sta. I.D. Consec.Cast # Event# Instructions 024 Bar. Wind Wind Sp. Option Sta. Name or I.D Latitude N Longitude E Date JD = 151 Time Dry Wet Consec. Consec. Or Or Cast # Deg. Min. S Deg. or GMT W Day Mo. Yr. Hr. Min. Bulb Bulb 024563327N1555134W31MAY940019053 062834505561 0 3 1 CTD **Data Location Monitor Checks** Times JD/Time Type & SN 9/220 - A on Deck ____ Tape/Diskette I.D. at Surface Data on 1100 File Name/Header 26072 Press. SN____ at Surface_____ CAST 024 - 31MAYOO10 Press. ______ Temp. SN_____701 Start Down OOI at Bottom 0018 Cond. SN______ 30.3 Temp. _____ Start Up_____ Fluorometer volt x 1.0 Cond._____ Remarks at Surface_____ Max cast depth: 235 Data off _____0019 Wire out: 234 Sal. Other Sample Bot. Data **Monitor Values** Conv. Mon. Values-CTD T Trip Time @ Bot. # Samp. Bot. Rack Depth | Depth | Trip Therm-P Avg Tw Press. Cond. Other Press. Temp. Cond. Sal. Temp. 3 3 0.14 233.343 4.556 31.147 32.652 07 0019 4 4 5 5 6 6 7 8 8 9 9 10 10 П

Initials WF/DD

Consec.Cast # # Vessel Proj. & Leg Event# Vessel Sta. I.D.

025 MILLER FREEMAN MF9406 Leg II 405 Instructions Consec.
Cast # Deg. Min. S Deg. Longitude E Or Date JD = 151 Time GMT

Deg. Min. S Deg. W Day Mo. Yr. Hr. Min. Bar. Si Dir. Sp. Olond Wind Photographic Sp. Olong Sp. O Bottom Sta. Name Consec. Dry Wet or I.D Bulb Depth, m Bulb 03 406280000876 05 CTD **Monitor Checks Data Location** Monitor Cir on Deck Times ID/Time Type & SN 9/220 - A 0143 at Surface Data on Tape/Diskette I.D. File Name/Header Press. SN 26072 0142 at Surface_ CAST \$25_31MAY 0143 Press. 0144 Start Down_ Cond. SN ______ 30 3 at Bottom____0146 Temp. _____ Start Up 0146 Fluorometer volt x 1.0 Cond._____ Remarks at Surface_____ Max cast depth: 74 m Wire out: 74 Other_____ Data off_____ Sal. Other so Bot. # Samp. Sample Bot.Data Monitor Values Conv. Mon. Values-CTD T Trip Time @ Bot. Rack Depth Depth Trip Therm-P Avg Tw Sal. Press. Cond. Temp. Sal. Temp. Other Press. Cond. 2 2 014730 0152 49.204 4.463 30.405 31.973 0.245 26 3 3 4 4 5 5 6 6 7 7 8 8 9 10 10 11 11

12

Initials <u>DD/WF</u>