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VESSEL: NOAA S Miller Freeman						PROJECT & LEG: MF95-03							INITIALS: CA CHECKED BY:				PAGE 7 of 7						
CONSCAST #	LATITUDE			LONGITUDE			DATE JD= 72			TIME (GMT)			DRY BULB	WET BULB	BAF (Integer)	VIS	WIND DIR	WIN SP	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG	MIN		DEG	MIN		DAY	MO	YR	HR	MIN												
00756	07	42	N	166	27	11	13	WA	09	50	34	-	71.5	-	81.5	18	48	02	51	B	68	122	
CTD					JD/TIME			FILENAME: CAST007-13 MAR 0329															
TYPE & SN		Plus 93450-209			DATA ON _____			REMARKS:  Churn 69 w/o 11' max depth 113															
PRESS. SN		53586			START DOWN _____																		
TEMP. SN		1455			AT DEPTH _____																		
COND. SN		748			AT SURFACE _____																		
#	Position	Track	TIME @				Monitor Values				Sample Bottle Data				Sal.	Bot.#	Nuts.	Chl/ MZ	Other	Position			
			Depth	Trip	Press.	Temp.	Salinity	Cond.	Chloro Fluor.	ThermP	Avg. Tw	Sal.											
75					75.640	3.483	32.532	30.076	2.646						15	1862							
50					51.082	1.778	31.887	28.131	.2930							1861							
35					35.550	1.767	35.879	28.108	.2929							1860							
20					20.922	1.761	31.878	28.096	.2931							1859							
10					10.710	1.753	31.878	28.086	.292							1858							
5					4.808	1.751	31.878	28.081	.298														
0					1.779	1.752	31.879	28.081	.286							1857							

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VESSEL: <u>Miller Freeman</u>		PROJECT & LEG: <u>NF-95-03</u>		INITIALS: <u>CO</u>		CHECKED BY: _____		PAGE <u>11</u> of _____									
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD- <u>032</u>		TIME (GMT)		WET BULB (°C)	WET BULB (°C)	WIND SPEED (kts)	WIND DIRECTION	WIND TYPE	WIND WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR									MIN
0115630.15	N	16459.59	W	130000	95	12	11	11	14	14	14	14	14	14	14	14	
<p>FILENAME: <u>CASIO11-13MAR1213</u></p> <p>REMARKS (include alternate station designation if applicable):  <u>55° 0.81' @ 2.5m</u></p>																	
<p>ATTACHMENTS:</p> <p>LIGHT METER (✓) _____</p> <p>FLUOROMETER (✓) _____</p> <p>OTHER: <u>COND. SN (109)</u></p> <p>OTHER: _____</p>																	
<p>CID <u>Plus</u></p> <p>TYPE &amp; SN <u>93450-207</u></p> <p>PRESS. SN <u>53586</u></p> <p>TEMP. SN <u>1455</u></p> <p>COND. SN <u>748</u></p>																	
Position	Bot. #	Trip	Depth	TIME @	Monitor Values				Sample Bottle Data			Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position	
					Press.	Temp.	Salinity	Cond.	ThermP	Avg. Tw	Sal.						
1					77.386	0.931	32.313	27.792	0.295						/		1
2															/		2
3															/		3
4															/		4
5															/		5
6															/		6
7															/		7
8															/		8
9															/		9
10															/		10
11															/		11
12															/		12



VESSEL: <u>N. Lee Fireman</u>		PROJECT & LEG: <u>MF-95-03</u>		INITIALS: <u>CO</u>		CHECKED BY: _____		PAGE <u>13</u> of _____											
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD=072		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	BAR (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER TYPE	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR											
01256	36	93	N	164	37	10	W	13	MAR	95	19	45							
CTD		Plus		ATTACHMENTS:		FILENAME: <u>CAST013-13MAR1942</u>													
TYPE & SN		93450-207		LIGHT METER (V)		_____		REMARKS (include alternate station designation if applicable):											
PRESS. SN		53586		FLUOROMETER (V)		_____		SST <u>0.447°C @ 2.75 m</u>											
TEMP. SN		1455		OTHER: <u>obscure (109)</u>		_____													
COND. SN		748		OTHER: _____		_____													
Position	Bot. #	Trip	Depth	TIME @	Monitor Values				Sample Bottle Data			Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position			
					Press.	Temp.	Salinity	Cond.	CHLOR	ThermP	Avg. Tw						Sal.		
1					26.007	0.519	32.207	27.358	0.294				3		/		1		
2														/			2		
3														/			3		
4														/			4		
5														/			5		
6														/			6		
7														/			7		
8														/			8		
9														/			9		
10														/			10		
11														/			11		
12														/			12		



VESSEL: <u>Miller Freeman</u>		PROJECT & LEG: <u>MF-95-03</u>		INITIALS: _____		CHECKED BY: _____		PAGE <u>15</u> of _____														
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= <u>73</u>		TIME (GMT)		WET BULB (°C)	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID							
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR								MIN						
015	56	52.09	N	163	51.05	W	14	MAR	9	5	07	37	10.8	18	38	02	52	8	1	7	16	
FILENAME: <u>CAT015-14MAR0732</u> REMARKS (include alternate station designation if applicable): <u>spiky data during first 7-8 m -&gt; check upcasts</u>																						
ATTACHMENTS: LIGHT METER (✓) _____ FLUOROMETER (✓) _____ OTHER: <u>Chlorine (100)</u> OTHER: _____																						
CTD Plus TYPE & SN <u>93450-207</u> PRESS. SN <u>53586</u> TEMP. SN <u>1455</u> COND. SN <u>748</u>																						
Position	#	Bot. Trip	Depth	T-track	Monitor Values					Sample Bottle Data			Nutrient Bottle #	Chlor/ MZ	Other	Position						
					TIME@	Depth	Trip	Press.	Temp.	Salinity	Cond.	Fluor.					ThermP	Avg. Tw	Sal.			
1	8	48	✓		47.996	-0.174	31.993	26.647	3123					17	/		1					
2															/		2					
3															/		3					
4															/		4					
5															/		5					
6															/		6					
7															/		7					
8															/		8					
9															/		9					
10															/		10					
11															/		11					
12															/		12					

VESSEL: <u>N. Allen Freeman</u>		PROJECT & LEG: <u>MF-95-03</u>		INITIALS: <u>CD</u>		CHECKED BY: _____		PAGE <u>16</u> of <u>16</u>								
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= <u>73</u>		TIME (GMT)		WET BULB (°C)	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR								MIN
01655	04	08	N	164	31	38	W	14	05	18	36	05	0	20	76	7
FILENAME: <u>CAST 016 - 14 MAR 2021</u> REMARKS (include alternate station designation if applicable): <u>mooring F-95 BSM-1</u> <u>-Chlor data suspect on downcast; better on upcast</u>																
CTD		ATTACHMENTS:		LIGHT METER (V)		FLUOROMETER (V)		OTHER: <u>CHLOR (100)</u>		OTHER:						
TYPE & SN	<u>Plus</u>															
PRESS. SN	<u>93450-207</u>															
TEMP. SN	<u>53586</u>															
COND. SN	<u>1455</u>															
	<u>748</u>															

  

Position	Bot. #	T-Track	Depth	Monitor Values				Sample Bottle Data			Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position	
				TIME @	Press.	Temp.	Salinity	Cond.	Fluor.	ThermP						Avg. Tw
1	60			61.585	2.219	31.991	28.576	.2731				28	1873	/		1
2	50			49.819	2.167	31.963	28.506	.2757					1872	/		2
3	35			34.683	1.792	31.775	28.045	.2999					1871	/		3
4	25			25.212	1.391	31.634	27.606	.3088						3X/		4
5	20			20.633	1.288	31.606	27.500	.2973					No sample	/		5
6	10			10.020	1.297	31.606	27.502	.2971					1870	/		6
7	05			5.305	1.278	31.602	27.482	.2980						3X/		7
8	0			.879	1.281	31.602	27.482	.3020					1869	/		8
9														/		9
10														/		10
11														/		11
12														/		12



VESSEL: <u>N. L. L. Freeman</u>		PROJECT & LEG: <u>MF-95-03</u>		INITIALS: _____		CHECKED BY: _____		PAGE <u>17</u> of _____												
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= <u>73</u>		TIME (GMT)		WET BULB (°C)	WIND SPEED (kts)	WIND DIRECTION	SEA STATE (Mb, Integer)	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR												MIN
01	75	03.05	N	165	05.49	W	14	MAR	95	23	15	-7.0	-7.5	193	70	05	22	06	2	112
CTD		ATTACHMENTS:		FILENAME: <u>CASI 17 - 14 MAR 2306</u>																
TYPE & SN		LIGHT METER (V)		REMARKS (include alternate station designation if applicable):																
PRESS. SN		FLUOROMETER (N)		w/o 90 max depth 105																
TEMP. SN		OTHER: <u>Chlorine (108)</u>																		
COND. SN		OTHER:																		
Position	#	T-track	Depth	TIME @	Monitor Values				Sample Bottle Data				Sal.	Nutrient	Bottle #	Chlor/ MZ	Other	Position		
					Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.								
1	105				104.885	3.794	32.648	30.023	.2717				29			/		1		
2																/		2		
3																/		3		
4																/		4		
5																/		5		
6																/		6		
7																/		7		
8																/		8		
9																/		9		
10																/		10		
11																/		11		
12																/		12		

VESSEL: <u>N. 1111, Freeman</u>		PROJECT & LEG: <u>MF-95-03</u>		INITIALS: <u>CH</u>		CHECKED BY: _____		PAGE <u>18</u> of _____	
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CONSECUTIVE CAST NUMBER	LATITUDE			LONGITUDE			DATE JD=74			TIME (GMT)			DRY BULB (°C)	WET BULB (°C)	BAR. (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	SEC	DEG	MIN	SEC	DAY	MO	YR	HR	MIN	SEC												
01	18	54	56	08	N	164	58	15	MAR	95	01	12	-7.0	-7.5	1036	036	036	036	22	76	2	90		

  

CTD				ATTACHMENTS:				FILENAME: <u>CAS 18 - 15 MAR 2009</u>			
TYPE & SN	PLUS	LIGHT METER (V)		COND.		CHLOR. FLOR.		COND.		COND.	
PRESS. SN	93450-707	FLUOROMETER (V)		COND.		COND.		COND.		COND.	
TEMP. SN	53586	OTHER: <u>CHLOR. (108)</u>		COND.		COND.		COND.		COND.	
COND. SN	1455	OTHER: <u>748</u>		COND.		COND.		COND.		COND.	

  

Position	#	Bot. #	Depth	TIME @	Monitor Values					Sample Bottle Data			Sal. Bot. #	Chlor/ MZ	Other	Position
					Press.	Temp.	Salinity	Cond.	Chlor. FLOR.	ThermP	Avg. Tw	Sal.				
1			0013	0013	53.342	2.042	31.782	28.710	2838				33	/		1
2													/			2
3													/			3
4													/			4
5													/			5
6													/			6
7													/			7
8													/			8
9													/			9
10													/			10
11													/			11
12													/			12

VESSEL: Miller Freeman						PROJECT & LEG: MF-95-03							INITIALS: CH CHECKED BY:								PAGE 19 of				
CONSECUTIVE CAST NUMBER		LATITUDE		LONGITUDE		DATE JD=74		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	BAR (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID					
		DEG MIN	DEG MIN	MIN	DAY MO YR	HR MIN																			
01954		50.26 N	164.52 W	15 MAR 95	0110	-7.1	-7.6	18360352	1777	76															
CTD Plus		FILENAME: QAST19 - 15 MAR 0107																							
TYPE & SN		REMARKS (include alternate station designation if applicable):																							
PRESS. SN		w/o SB																							
TEMP. SN																									
COND. SN																									
LIGHT METER (N)																									
FLUOROMETER (N)																									
OTHER: Chlora (10A)																									
OTHER:																									
ATTACHMENTS:																									
TIME @		Monitor Values																							
Depth Trip		Press.		Temp.		Salinity		Cond.		Fluor.		ThermP		Avg. Tw		Sal.		Nutrient Bot.#		Chlor/MZ		Other		Position	
1		68.346		2.618		32.059		28.961		.2764								2		/				1	
2																				/				2	
3																				/				3	
4																				/				4	
5																				/				5	
6																				/				6	
7																				/				7	
8																				/				8	
9																				/				9	
10																				/				10	
11																				/				11	
12																				/				12	

VESSEL: <u>Miller Freeman</u>		PROJECT & LEG: <u>MF-95-03</u>		INITIALS: <u>CH</u>		CHECKED BY: _____		PAGE <u>20</u> of _____	
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CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= <u>74</u>			TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	BAR. (mb, integer)	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID				
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN														
02054	42	09	16	N	164	46	08	15	MAR	95	02	09	-7.1	-7.7	18	34	05	0	10	7	7	47	

  

**CTD** plus

TYPE & SN 93450-207

PRESS. SN 53586

TEMP. SN 1455

COND. SN 748

**ATTACHMENTS:**

LIGHT METER (V) \_\_\_\_\_

FLUOROMETER (V) \_\_\_\_\_

OTHER: Chlorophyll (108)

OTHER: \_\_\_\_\_

**FILENAME:** CAS1020-15MAR0207

**REMARKS** (include alternate station designation if applicable):  
W/O 36  
max depth

  

Position	#	Bot. #	Trip	Depth	TIME @				Monitor Values				Sample Bottle Data			Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position
					Depth	Trip	Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.						
1							42.654	1.679	31.655	27.862	2847						/		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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