

[illegible]

VESSEL: WASS Miller FreemanPROJECT & LEG: MF-95-06INITIALS: LL

CHECKED BY: _____

PAGE 2 of _____CONSECUTIVE
CAST
NUMBER

LATITUDE

LONGITUDE

DATE JD = 107TIME
(GMT)DRY
BULB
(°C)WET
BULB
(°C)BAR.
(mb, integer)

SEA STATE

VISIBILITY

WIND
DIRECTIONWIND
SPEED (kts)

CLOUD (amt)

TYPE

WEATHER

BOTTOM
DEPTH
(m)STA.
NAME/ID

DEG MIN

DEG MIN

DAY MO YR HR MIN

(°C)

(°C)

(mb, integer)

SEA STATE

VISIBILITY

WIND
DIRECTIONWIND
SPEED (kts)

CLOUD (amt)

TYPE

WEATHER

BOTTOM
DEPTH
(m)STA.
NAME/ID

CTD

TYPE & SN

PRESS. SN

TEMP. SN

COND. SN

LIGHT METER (N)

FLUOROMETER (N)

OTHER:

OTHER:

ATTACHMENTS:

FILENAME: CAST002-17APR

REMARKS (include alternate station designation if applicable):

5m Bottle on cast 1 (came up empty; this cast done for purpose of collecting H₂O samples. No salinity sample. Mtd depth 101 w/d = 100

Position

Bot. #

Trip

Depth

T-rack

TIME @

Monitor Values

Sample Bottle Data

Sal.

Bot. #

Nutrient

Bottle #

Chlor/

MZ

Position

Bot. #

Trip

Depth

T-rack

Press.

Temp.

Salinity

Cond.

Fluor.

Thermp

Avg. Tw

Sal.

Position

Position

Bot. #

Trip

Depth

T-rack

Press.

Temp.

Salinity

Cond.

Fluor.

Thermp

Avg. Tw

Sal.

Position

Position

Bot. #

Trip

Depth

T-rack

Press.

Temp.

Salinity

Cond.

Fluor.

Thermp

Avg. Tw

Sal.

Position

Position

Bot. #

Trip

Depth

T-rack

Press.

Temp.

Salinity

Cond.

Fluor.

Thermp

Avg. Tw

Sal.

Position

Position

Bot. #

Trip

Depth

T-rack

Press.

Temp.

Salinity

Cond.

Fluor.

Thermp

Avg. Tw

Sal.

Position

Position

Bot. #

Trip

Depth

T-rack

Press.

Temp.

Salinity

Cond.

Fluor.

Thermp

Avg. Tw

Sal.

Position

Position

Bot. #

Trip

Depth

T-rack

Press.

Temp.

Salinity

Cond.

Fluor.

Thermp

Avg. Tw

Sal.

Position

Position

Bot. #

Trip

Depth

T-rack

Press.

Temp.

Salinity

Cond.

Fluor.

Thermp

Avg. Tw

Sal.

Position

Position

Bot. #

Trip

Depth

T-rack

Press.

Temp.

Salinity

Cond.

Fluor.

Thermp

Avg. Tw

Sal.

Position

Position

Bot. #

Trip

Depth

T-rack

Press.

Temp.

Salinity

Cond.

Fluor.

Thermp

Avg. Tw

Sal.

Position

Position

Bot. #

Trip

Depth

T-rack

Press.

Temp.

Salinity

Cond.

Fluor.

Thermp

Avg. Tw

Sal.

Position

Position

Bot. #

Trip

Depth

T-rack

Press.

Temp.

Salinity

Cond.

Fluor.

Thermp

Avg. Tw

Sal.

Position

Position

Bot. #

Trip

Depth

T-rack

Press.

Temp.

Salinity

Cond.

Fluor.

Thermp

Avg. Tw

Sal.

Position

Position

Bot. #

Trip

Depth

T-rack

Press.

Temp.

Salinity

Cond.

Fluor.

Thermp

Avg. Tw

Sal.

Position

Position

Bot. #

Trip

Depth

T-rack

Press.

Temp.

Salinity

Cond.

Fluor.

Thermp

Avg. Tw

Sal.

Position

Position

Bot. #

Trip

Depth

T-rack

Press.

Temp.

Salinity

Cond.

Fluor.

Thermp

Avg. Tw

Sal.

Position

Position

Bot. #

Trip

Depth

T-rack

Press.

Temp.

Salinity

Cond.

Fluor.

Thermp

Avg. Tw

Sal.

Position

Position

Bot. #

Trip

Depth

T-rack

Press.

Temp.

Salinity

Cond.

Fluor.

Thermp

Avg. Tw

Sal.

Position

Position

Bot. #

Trip

Depth

T-rack

Press.

Temp.

Salinity

Cond.

Fluor.

Thermp

Avg. Tw

Sal.

Position

Position

Bot. #

Trip

Depth

T-rack

Press.

Temp.

Salinity

Cond.

Fluor.

Thermp

Avg. Tw

Sal.

Position

Position

Bot. #

Trip

Depth

T-rack

Press.

Temp.

Salinity

Cond.

Fluor.

Thermp

Avg. Tw

Sal.

Position

Position

Bot. #

Trip

Depth

T-rack

Press.

Temp.

Salinity

Cond.

Fluor.

Thermp

Avg. Tw

Sal.

Position

Position

Bot. #

Trip

Depth

T-rack

Press.

Temp.

Salinity

Cond.

Fluor.

Thermp

Avg. Tw

Sal.

Position

Position

Bot. #

Trip

Depth

T-rack

Press.

Temp.

Salinity

Cond.

[illegible]

B522

[illegible]

VESSEL: <u>NOAAS Miller Freeman</u>		PROJECT & LEG: <u>MF-95-06</u>		INITIALS: <u>WPC</u>		CHECKED BY: _____		PAGE <u>5</u> of _____	
CONSECUTIVE CAST NUMBER		LATITUDE		LONGITUDE		DATE JD= <u>108</u>		TIME (GMT)	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		DRY BULB (°C)	
00 55 25.71 N		16 82 41.43 W		18 APR 95		08 22 Z		1.0	
TYPE & SN		LIGHT METER (V)		FLUOROMETER (V)		OTHER:		OTHER:	
PRESS. SN		TEMP. SN		COND. SN		ATTACHMENTS:		REMARKS (include alternate station designation if applicable):	
CID		FILENAME: <u>CAT005-18APR0819</u>							
Position		Bot. #		Trip		Depth		T-rack	
1									
2		100		100		100		100	
3		25		25		25		25	
4		10		10		10		10	
5		5		5		5		5	
6									
7									
8									
9									
10									
11									
12									
TIME @		Monitor Values		Sample Bottle Data		Sal.		Chlor/	
Depth		Press.		Temp.		Salinity		Cond.	
Trip		Fluor.		ThermP		Avg. Tw		Sal.	
1		104		104		106		105	
2		99.4921		3.5548		32.7570		30.3309	
3		27.2779		2.5799		32.4732		29.2457	
4		10.6323		2.5049		32.4705		29.2278	
5		5.1755		2.5714		32.4717		29.2319	
6									
7									
8									
9									
10									
11									
12									
Bot. #		Nutrient Bottle #		Chlor/		M2		Position	
1				104		104		106	
2		14		14		14		14	
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									

[illegible]

VESSEL: NR485 Miller FreemanPROJECT & LEG: MF-95-06INITIALS: lv/cb

CHECKED BY: _____

PAGE 7 of CONSECUTIVE
CAST
NUMBER

LATITUDE

LONGITUDE

DATE JD=

TIME
(GMT)DRY
BULB
(°C)WET
BULB
(°C)BAR.
(mb, integer)

SEA STATE

VISIBILITY

WIND
DIRECTIONWIND
SPEED (kts)

CLOUD (amt)

TYPE

WEATHER

BOTTOM
DEPTH
(m)STA.
NAME/ID

DEG

MIN

N

E

W

S

DEG

MIN

E

W

DAY

MO

YR

HR

MIN

0.5

0.0

1011.9

3

7

3

2

5

1

4

8

6

2

1

1

3

0

2

2

2

CTD

ATTACHMENTS:

FILENAME:

CAST007-19APR1929

REMARKS (include alternate station designation if applicable):

NUTS NOT written down
@ time of cast - NM

TYPE & SN

LIGHT METER (V)

FLUOROMETER (V)

PRESS. SN

OTHER:

OTHER:

COND. SN

OTHER:

Position

Bot. #

Trip

Depth

T-rack

TIME @

Depth

Trip

Press.

Temp.

Salinity

Cond.

Fluor.

ThermP

Avg. Tw

Sal.

Bot. #

Nutrient

Bottle

Chlor/

M Z

Abs

Other

Position

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

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278

VESSEL: N0485 Anilla Freeman

PROJECT & LEG: MF-95-06

INITIALS: _____

CHECKED BY: _____

PAGE 8 of 1

CONSECUTIVE
CAST
NUMBER

LATITUDE
DEG MIN

LONGITUDE
DEG MIN

DATE JD= 110
DAY MO YR

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. 40
P0001

0085458.56N16845.30W204128951047-11.0-1.51947340V86622022

CTD

TYPE & SN
PRESS. SN
TEMP. SN
COND. SN

ATTACHMENTS:
LIGHT METER (V)
FLUOROMETER (V)
OTHER:
OTHER:

FILENAME: C08088-

REMARKS (include alternate station designation if applicable):
CATVET attached to CTD wire 10.6 m above fixed.

Lowest Patch

Wile rate UN way down = 45 m/min (1.1. Too Fast)
Bottle 24 Sal sample ???

Position	Bot. #	Trip	Depth	T-rack	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		B					30.1518	32.2725	32.9208	30.2463				32.9223							24			/		1
2																							/			2
3																							/			3
4																							/			4
5																							/			5
6																							/			6
7																							/			7
8																							/			8
9																							/			9
10																							/			10
11																							/			11
12																							/			12

[illegible]

Not recorded on Wafat. (N.M)
These are guesses

CONSECUTIVE CAST NUMBER: 0115455.24 N 16902.86 W 21414 P 2950114 - 2.15 - 3.0 2141315088782525CT211

DEG MIN DEG MIN DAY MO YR HR MIN

LONGITUDE DATE JD= 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 482

CID: _____ ATTACHMENTS: _____ FILENAME: _____

TYPE & SN: _____ LIGHT METER (N): _____

PRESS. SN: _____ FLUOROMETER (N): _____

TEMP. SN: _____ OTHER: _____

COND. SN: _____ OTHER: _____

REMARKS (include alternate station designation if applicable): Cast-011-21AP2011 Harval Patch

Position	Bot. #	Trip	Depth	T-rack	TIME @					Monitor Values					Sample Bottle Data					Sal.	Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position
					Depth	Trip	Press.	Temp.	Salinity	Cond.	Fiber.	Thermp	Avg. Tw	Sal.	Sal.	Bot. #	Nutrient Bottle #	Chlor/ MZ	Other						
1					40		10.7	10.4	10.6	10.5	0.000														1
2					70		69.890453	28.4368	32.868397	30.182638	-9.995117														2
3					70		69.121425	28.1963	32.865413	30.178076	-9.995117														3
4					70		69.664629	28.0624	32.863402	30.174444	-9.995117														4
5					50		69.643156	28.0259	32.863402	30.174444	-9.995117														5
6					50		50.155183	25.2337	32.843687	30.125618	-9.995117														6
7					50		50.193323	25.5449	32.841673	30.129387	-9.995117														7
8					40		50.253466	25.5471	32.841673	30.130167	-9.995117														8
9					40		41.169689	25.5296	32.841673	30.128602	-9.995117														9
10					40		39.997188	25.2277	32.844569	30.122576	-9.995117														10
11							39.905319	25.0971	32.844569	30.121141	-9.995117														11
12																									12

Givecast - Lab -
N.M. did not record at time

[illegible]

VESSEL: <u>NO485 Miller Freeman</u>		PROJECT & LEG: <u>MF-95-06</u>		INITIALS: <u>SDM</u>		CHECKED BY: _____		PAGE <u>13</u> of _____																											
CONSECUTIVE CAST NUMBER		LATITUDE		LONGITUDE		DATE JD=		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			
01354		54.06N		169.0693W		2142		0447		-11.7		12.8		27.0		11.0		0487		27.0		0487		27.0		0487		27.0		50.2					
TYPE & SN		PRESS. SN		TEMP. SN		COND. SN		ATTACHMENTS:		FILENAME: <u>Coot013-21APK0445</u>		REMARKS (include alternate station designation if applicable): <u>Larval Patch</u>																							
CID		LIGHT METER (V)		FLUOROMETER (V)		OTHER:		OTHER:																											
Position		Bot. #		Trip		Depth		T-rack		TIME @		Monitor Values		Sal. Bot. #		Nutrient Bottle #		Chlor. M.Z.		Other		Position													
1						70				104		104		106		105		108		ThermP		Avg. Tw		Sal.		Bot. #		Nutrient Bottle #		Chlor. M.Z.		Other		Position	
2						70				104		104		106		105		108		ThermP		Avg. Tw		Sal.		Bot. #		Nutrient Bottle #		Chlor. M.Z.		Other		Position	
3						70				104		104		106		105		108		ThermP		Avg. Tw		Sal.		Bot. #		Nutrient Bottle #		Chlor. M.Z.		Other		Position	
4						70				104		104		106		105		108		ThermP		Avg. Tw		Sal.		Bot. #		Nutrient Bottle #		Chlor. M.Z.		Other		Position	
5						70				104		104		106		105		108		ThermP		Avg. Tw		Sal.		Bot. #		Nutrient Bottle #		Chlor. M.Z.		Other		Position	
6						70				104		104		106		105		108		ThermP		Avg. Tw		Sal.		Bot. #		Nutrient Bottle #		Chlor. M.Z.		Other		Position	
7						70				104		104		106		105		108		ThermP		Avg. Tw		Sal.		Bot. #		Nutrient Bottle #		Chlor. M.Z.		Other		Position	
8						70				104		104		106		105		108		ThermP		Avg. Tw		Sal.		Bot. #		Nutrient Bottle #		Chlor. M.Z.		Other		Position	
9						70				104		104		106		105		108		ThermP		Avg. Tw		Sal.		Bot. #		Nutrient Bottle #		Chlor. M.Z.		Other		Position	
10						70				104		104		106		105		108		ThermP		Avg. Tw		Sal.		Bot. #		Nutrient Bottle #		Chlor. M.Z.		Other		Position	
11						70				104		104		106		105		108		ThermP		Avg. Tw		Sal.		Bot. #		Nutrient Bottle #		Chlor. M.Z.		Other		Position	
12						70				104		104		106		105		108		ThermP		Avg. Tw		Sal.		Bot. #		Nutrient Bottle #		Chlor. M.Z.		Other		Position	

VESSEL: <u>NOA 88 Miller Freeman</u>		PROJECT & LEG: <u>MF-95-06</u>		INITIALS: <u>Long</u>		CHECKED BY: _____		PAGE <u>15</u> of _____	
CONSECUTIVE CAST NUMBER		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)	
015		54 19.30 N		65 27.12 W		47 8958249		0.5 - 0.5	
TYPE & SN		PRESS. SN		TEMP. SN		COND. SN		ATTACHMENTS:	
CID		LIGHT METER (N)		FLUOROMETER (N)		OTHER:		OTHER:	
FILENAME: <u>Cast015-21APR2245</u>		REMARKS (include alternate station designation if applicable):							
<div style="text-align: center;"> <p>Cast 015 - 21 April 1995</p> <p>Apparently no sample 2</p> <p>salinity</p> </div>									
Position		Bot. #		Trip		Depth		T-rack	
TIME @		Depth		Trip		Press.		Temp.	
1		100				107		104	
2		50				133.118347		3.536019	
3		40				50.626202		79.8338	
4		30				40.511635		2.796742	
5		20				32.145495		2.789157	
6		10				20.284311		2.755418	
7		0				12.754323		2.746992	
8						0.458915		2.754681	
9									
10									
11									
12									
Monitor Values		Salinity		Cond.		Temp.		Fluor.	
106		105		108					
Sample Bottle Data		Sal.		Bot. #		Nutrient Bottle #		Chlor/ MZ	
Thermop		Avg. Tw		Sal.					
1								X/Y	
2								Y/Y	
3								did not trip	
4								/X	
5								/X	
6								/X	
7								/X	
8								/X	
9								/X	
10								/X	
11								/X	
12								/X	
Bottom		Depth (m)		Sta. Name/ID		Weather		Wind Speed (kts)	
54.3		139		4402				8862	

VESSEL: N0485 Miller FreemanPROJECT & LEG: MF-95-06INITIALS: gmg

CHECKED BY: _____

PAGE 16 of CONSECUTIVE
CAST
NUMBER

LATITUDE

LONGITUDE

DATE JD=

TIME
(GMT)DRY
BULB
(°C)WET
BULB
(°C)BAR
(mb, integer)

SEA STATE

VISIBILITY

WIND
DIRECTIONWIND
SPEED (kts)

CLOUD (amt)

TYPE

WEATHER

BOTTOM
DEPTH
(m)STA.
NAME/ID

0165422.25N 116515.91W 2241218950056 0.8 0.0 3.8 160 15872 1156 41203

CID

LIGHT METER (N)

FLUOROMETER (N)

OTHER:

OTHER:

ATTACHMENTS:

FILENAME: Cast 016-22APR0052

REMARKS (include alternate station designation if applicable):

TYPE & SN
PRESS. SN
TEMP. SN
COND. SNPosition
Bot. #
Trip
Depth
T-rack

Monitor Values

Chlorin

Sample Bottle Data

Sal.

Nutrient
Bottle #

Chlor/

Other

Position

Position	Bot. #	Trip	Depth	T-rack	TIME @	Press.	Temp.	Salinity	Cond.	Fluor.	Thermp	Avg. Tw	Sal.	Bot. #	Nutrient Bottle #	Chlor/ M2	Other	Position
1			100		107	104	106	105	108									1
2			100		153.134154	3.023162	32.536549	29.728552	-9.887371									2
3			100		102.154022	2.965817	32.164022	29.62905	-9.731315									3
4			100		59.543571	2.555094	32.191738	29.014193	-9.995119									4
5			100		51.140652	2.443152	32.136797	28.873455	-9.995119									5
6			100		41.982811	2.378467	32.094755	28.784510	-9.995119									6
7			100		31.401289	2.335184	32.024780	28.721524	-9.995119									7
8			100		21.824945	2.325703	32.066792	28.704384	-9.965465									8
9			100		10.590590	2.257669	32.020028	28.105604	-9.915610									9
10			100		10.229945	2.264434	32.021183	28.607235	-9.995119									10
11			100		5.810257	2.254981	32.020021	28.605077	-9.755859									11
12			100		0.850802	2.251057	32.012769	28.597402	-9.995119									12
13			100		0.905577	2.247617	32.016315	28.593446	-9.995119									13

0.865171 2.247481 32.016327 28.593546 -9.9945117

Absorbance
0.0100

[illegible]

[illegible]

infusion

VESSEL: N9985 Miller Freeman PROJECT & LEG: MF-95-06 INITIALS: Long CHECKED BY: Long PAGE 19 of 19

CONSECUTIVE CAST NUMBER: 019
LATITUDE: 54 42.85 N
LONGITUDE: 164 46.52 W
DATE JD: 224
TIME (GMT): 0554
DRY BULB (°C): 0.7
WET BULB (°C): 0.4
BAR (mb, integer): 381
SEA STATE: 1
VISIBILITY: 40
WIND DIRECTION: 108
WIND SPEED (kts): 7
CLOUD (amt): 2
TYPE: 40
WEATHER: 1
BOTTOM DEPTH (m): 58-1
STA. NAME/ID: 58-1

CID: 019
TYPE & SN: 54
PRESS. SN: 42
TEMP. SN: 85
COND. SN: N
ATTACHMENTS: 164 46.52 W
FILENAME: Cost 019 - NR 0553

REMARKS (include alternate station designation if applicable):
FLUOROMETER (N) _____
OTHER: _____
OTHER: _____

Position	Bot. #	Trip	Depth	T-rack	TIME @		Monitor Values					Sample Bottle Data			Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position
					Depth	Trip	104 Press.	104 Temp.	106 Salinity	105 Cond.	108 Fluor.	Therm	Avg. Tw	Sal.					
1					Bot		33.58442	16.21328	31.659300	27.81628	-9.982097				5	1432	/		1
2					30		30.58195	16.24146	31.652967	27.814264	-9.995117					1431	X / X		2
3					20		20.46247	16.28601	31.650936	27.807844	-9.995117					1430	X / X		3
4					10		10.215932	16.61328	31.4423427	6.67948	-9.995117						/ X		4
5					10		10.19348	16.70464	31.403927	23.63985	-9.715885					1429	X / X	mg atoms	65
6				X	5		5.281812	16.73457	31.37958	23.619337	-9.995117				6	1428	/		6
7					0		1.203357	16.73892	31.372751	27.613768	-9.185822						X / X		7
8					0		0.51619	16.74784	31.371504	27.613192	-9.995117						/	Abs	60148
9																	/		9
10																	/		10
11																	/		11
12																	/		12

VESSEL: N0485 Miller FreemanPROJECT & LEG: MF-95-06INITIALS: Donna

CHECKED BY: _____

PAGE 20 of CONSECUTIVE
CAST
NUMBER

LATITUDE

LONGITUDE

DATE JD=

TIME
(GMT)DRY
BULB
(°C)WET
BULB
(°C)BAR.
(mb, integer)

SEA STATE

VISIBILITY

WIND
DIRECTIONWIND
SPEED (kts)

CLOUD (amt)

TYPE

WEATHER

BOTTOM
DEPTH
(m)STA.
NAME/ID

59-1

0205449.93N16452.98W222412895071911.811.11007.13814315872704207

CTD

ATTACHMENTS:

FILENAME: C061020-22APR0717

REMARKS (include alternate station designation if applicable):

TYPE & SN

LIGHT METER (V)

PRESS. SN

FLUOROMETER (V)

TEMP. SN

OTHER:

COND. SN

OTHER:

Position Bot. # Trip Depth T-rack

Monitor Values

Chlor

Sample Bottle Data

Sal.

Nutrient

Chlor/

Other

Position

TIME @ Depth Trip

Press.

Temp.

Salinity

Cond.

Fiber.

ThermP

Avg. Tw

Sal.

Bot. #

Bottle #

M Z

Other

Position

1 Bot

66.598451

708433

31.741524

23.98089

-9.862305

31.7731

1/6

1439

1

1

1

1

1

2 60

60.610020

707451

31.761683

27.97794

-8.54854

31.76731

1438

2

1437

3

1

1

1

3 50

50.613951

717824

31.761723

27.981092

-9.916731

1436

4

1435

5

1434

6

1

1

4 240

40.389944

724097

31.76269

27.982069

-9.995117

1435

5

1434

6

1433

7

1

1

5 30

30.233915

725566

31.762115

27.978802

-9.66463

1434

6

1433

7

1432

8

1

1

6 20

20.522389

725916

31.762165

27.977491

-9.73542

1433

7

1432

8

1431

9

1

1

7 10

10.493286

725084

31.762104

27.969837

-9.35342

1432

8

1431

9

1430

10

1

1

8 10

10.493236

724634

31.762180

27.969511

-9.35547

1431

9

1430

10

1429

11

1

1

9 5

5.007709

727148

31.762381

27.969311

-9.92125

1430

10

1429

11

1428

12

1

1

Phytoplankton
Abs. 607015

VESSEL: NOA's Miller FreemanPROJECT & LEG: MF-95-06INITIALS: LE/CD

CHECKED BY: _____

PAGE ____ of ____

CONSECUTIVE
CAST
NUMBER

LATITUDE

LONGITUDE

DATE JD= 112

TIME
(GMT)DRY
BULB
(°C)WET
BULB
(°C)BAR.
(mb, integer)

SEA STATE

VISIBILITY

WIND
DIRECTIONWIND
SPEED (kts)

CLOUD (amt)

TYPE

WEATHER

BOTTOM
DEPTH
(m)STA.
NAME/ID

DEG

MIN

N

164

59.2

W

224

P

R

95

0643

11.6

1.3

0635

135

168

67

88

4107

CID

TYPE & SN

PRESS. SN

TEMP. SN

COND. SN

LIGHT METER (V)

FLUOROMETER (V)

OTHER:

OTHER:

ATTACHMENTS:

FILENAME: CAST 021-224PR

REMARKS (include alternate station designation if applicable):

Position
Bot. #
Trip
Depth
T-rack

TIME @

Depth

Trip

Press.

Temp.

Salinity

Cond.

Fluor.

ThermP

Avg. Tw

Sal.

Sal.

Bot. #

Nutrient
Bottle #

Chlor/

M Z

Other

Position

1

2

3

4

5

6

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11

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VESSEL: NOAAS Miller Freeman PROJECT & LEG: MF-95-06 INITIALS: LC/LB CHECKED BY: PAGE of

CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= 122		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	DAY	MO	YR	HR	MIN										

02	25	02	06	0N	16	50	55	4W	22	APR	95	11	41	1.2	1.2	0335	135	15863	109	UN08
----	----	----	----	----	----	----	----	----	----	-----	----	----	----	-----	-----	------	-----	-------	-----	------

CID ATTACHMENTS: FILENAME: CAST022-22APR

TYPE & SN LIGHT METER (V) REMARKS (include alternate station designation if applicable):
PRESS. SN FLUOROMETER (V)
TEMP. SN OTHER:
COND. SN OTHER:

Position	Bot. #	Trip	Depth	T-rack	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		Boat			13'53		17.8396	2.2942	32.1695	28.7982				32.1735	09	1451	/			1
2		60					59.5980	1.5551	31.8545	27.9281						1450	/			2
3		50					51.0100	1.5538	31.8514	27.9209							X /			3
4		40					39.7102	1.5753	31.8285	29.9148							X /			4
5		30					31.1456	1.5870	31.8127	27.9081						1449	X /			5
6		20					20.8097	1.5878	31.8121	27.9036						1448	X /			6
7		10					10.7085	1.5916	31.8109	29.9014						1445	X /			7
8		10					11.0221	1.5974	31.8108	27.9019								/		8
9		5					5.7377	1.5918	31.8112	27.8996						1440	/			9
10		0					1.0776	1.5912	31.8108	27.8968								/		10
11		0					1.0372	1.5900	31.8111	27.8960								X /		11
12																		/		12

* Nut #s are right USN

NOAAS 602200
Rm 102M

VESSEL: <u>NOAAS Miller Freeman</u>		PROJECT & LEG: <u>MF-95-06</u>		INITIALS: <u>LV/CB</u>		CHECKED BY: _____		PAGE <u>23</u> of <u> </u>																							
CONSECUTIVE CAST NUMBER		LATITUDE		LONGITUDE		DATE JD= <u>112</u>		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	
02354		59.20N		12.29W		22APR 95		1256		11.5		1.4		4142		1601		8867		1176		4107									
CID		LIGHT METER (u)		FLUOROMETER (u)		OTHER: _____		OTHER: _____		FILENAME: <u>CAST023-22APR</u>		REMARKS (include alternate station designation if applicable): _____																			
TYPE & SN		PRESS. SN		TEMP. SN		COND. SN																									
Position		Bot. #		Trip Depth T-rack		TIME @		Monitor Values		Sample Bottle Data		Sal. Bot. #		Nutrient Bottle #		Chlor/ MZ		Other		Position											
1		Bot. #		5857		0357		104.9579		3.2621		32.7391		30.0728				31.9493		29		1457		/						1	
2		100						607.062		2.638451		32.3581		27.2188								1450		/						2	
3		50						50.5465		2.3832		32.1651		28.8470										X / X						3	
4		40						40.1060		2.0584		31.9350		28.4233										X / X						4	
5		30						30.2209		1.9862		31.9429		28.3345								1455		X / X						5	
6		20						20.2443		1.9685		31.9353		28.3097								1454		X / X						6	
7		10						10.1256		1.9320		31.9170		28.2645								1453		X / X						7	
8		10						9.9557		1.9352		31.9192		28.2652										/						8	
9		5						5.4300		1.9307		31.9179		28.2611								1452		/						9	
10		0						0.8411		1.9443		31.9178		28.2674										/						10	
11		0						1.0007		1.9398		31.9188		28.2648										X / X						11	
12																								/						12	

VESSEL: <u>NO485 Anilla Freeman</u>		PROJECT & LEG: <u>MF-95-06</u>		INITIALS: <u>LE/CB</u>		CHECKED BY: _____		PAGE <u> </u> of <u> </u>	
CONSECUTIVE CAST NUMBER		LATITUDE		LONGITUDE		DATE JD= 112		TIME (GMT)	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		DRY BULB (°C)	
02 45 55.58 N		16 52 8.79 W		22 42 19 51		43 37		21.0	
TYPE & SN		LIGHT METER (V)		FLUOROMETER (V)		OTHER:		WET BULB (°C)	
PRESS. SN		PRESS. SN		TEMP. SN		COND. SN		BAR (mb, integer)	
COND. SN		OTHER:		OTHER:		OTHER:		SEA STATE	
CID		ATTACHMENTS:		FILENAME: <u>CAS1024-22 APR 1434</u>		VISIBILITY		WIND DIRECTION	
PRESS. SN		FLUOROMETER (V)		REMARKS (include alternate station designation if applicable):		WIND SPEED (kts)		CLOUD (amt)	
TEMP. SN		OTHER:				TYPE		WEATHER	
COND. SN		OTHER:				WIND		BOTTOM DEPTH (m)	
						SPEED (kts)		STA. NAME/ID	
						CLOUD (amt)			
						TYPE			
						WEATHER			
						WIND			
						SPEED (kts)			
						CLOUD (amt)			
						TYPE			
						WEATHER			
						WIND			
						SPEED (kts)			
						CLOUD (amt)			
						TYPE			
						WEATHER			
						WIND			
						SPEED (kts)			
						CLOUD (amt)			
						TYPE			
						WEATHER			
						WIND			
						SPEED (kts)			
						CLOUD (amt)			
						TYPE			
						WEATHER			
						WIND			
						SPEED (kts)			
						CLOUD (amt)			
						TYPE			
						WEATHER			
						WIND			
						SPEED (kts)			
						CLOUD (amt)			
						TYPE			
						WEATHER			
						WIND			
						SPEED (kts)			
						CLOUD (amt)			
						TYPE			
						WEATHER			
						WIND			
						SPEED (kts)			
						CLOUD (amt)			
						TYPE			
						WEATHER			
						WIND			
						SPEED (kts)			
						CLOUD (amt)			
						TYPE			
						WEATHER			
						WIND			
						SPEED (kts)			
						CLOUD (amt)			
						TYPE			
						WEATHER			
						WIND			
						SPEED (kts)			
						CLOUD (amt)			
						TYPE			
						WEATHER			
						WIND			
						SPEED (kts)			
						CLOUD (amt)			
						TYPE			

VESSEL: NOA85 Miller FreemanPROJECT & LEG: MF-95-06INITIALS: LA/LCB CHECKED BY: _____PAGE 25 of _____CONSECUTIVE
CAST
NUMBER

LATITUDE

LONGITUDE

DATE JD=112

TIME
(GMT)DRY
BULB
(°C)WET
BULB
(°C)BAR.
(mb, integer)

SEA STATE

VISIBILITY

WIND
DIRECTIONWIND
SPEED (kts)

CLOUD (amt)

TYPE

WEATHER

BOTTOM
DEPTH
(m)STA
NAME/ID

DEG MIN

DEG MIN

DAY MO YR

HR MIN

1.1

0.601

37

250

1

08

75

1

38

UM11

0.25 54 52.08 N 165 40.56 W 22 APR 95 1605

CTD

ATTACHMENTS:

FILENAME: AST025-22APR

TYPE & SN

LIGHT METER (N)

REMARKS (include alternate station designation if applicable):

PRESS. SN

FLUOROMETER (N)

TEMP. SN

OTHER:

COND. SN

OTHER:

Monitor Values

Sample Bottle Data

Sal.

Nutrient
Bottle #

Chlor/

Other

Position

Position Bot. # Trip Depth T-rack

TIME @ Trip

Press.

Temp.

Salinity

Cond.

Fluor.

ThermP

Avg. Tw

Sal.

Bot. #

Nutrient
Bottle #

Chlor/

Other

Position

1 B

133.8589

3.3983

32.7938

30.2449

1351

/

1

2 100

100.5419

2.8135

32.4625

29.4669

1350

/

2

3 100

100.7814

2.5222

32.2410

29.0234

1349

/

3

4 50

50.4883

2.3908

32.1576

26.8474

4

5 46

41.2254

2.3380

32.1338

28.7804

5

6 30

30.0290

2.0315

31.9449

28.3765

1348

X/X

6

7 20

20.4666

1.8515

31.8652

28.1588

1347

Y/X

7

8 10

9.4735

1.8495

31.8640

28.1519

1346

X/X

8

9 10

10.5183

1.8496

31.8636

28.1516

9

10 5

5.3403

1.8494

31.8638

28.1494

03

1345

/

10

11 0

1.1395

1.8511

31.8646

28.1495

11

12 0

1.8261

1.8505

31.8642

28.1490

12

VESSEL: NOA85 Miller FreemanPROJECT & LEG: MF-95-06INITIALS: LC/LC

CHECKED BY: _____

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CAST
NUMBER

LATITUDE

LONGITUDE

DATE JD= 122

TIME
(GMT)DRY
BULB
(°C)WET
BULB
(°C)BAR
(mb, integer)

SEA STATE

VISIBILITY

WIND
DIRECTIONWIND
SPEED (kts)

CLOUD (amt)

TYPE
WEATHERBOTTOM
DEPTH
(m)STA.
NAME/ID

DEG MIN

DEG MIN

DAY MO YR HR MIN

2.6

2.1

102

37

270

14

877

165

4412

CTD

LIGHT METER (V)

FLUOROMETER (V)

OTHER:

OTHER:

FILENAME:

CAST020-22APR1734

REMARKS (include alternate station designation if applicable):

Position	Bot. #	Trip	Depth	T-rack	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	B						157.0285	3.5922	32.8727	30.5014					10	1358									1
2		100					101.0009	3.1169	32.6548	29.8786						1357									2
3		60					4.4441	2.5143	32.3068	29.0748						1356									3
4		50					5.3530	2.1724	32.0993	28.6214															4
5		40					39.9743	2.1686	32.0843	28.6012															5
6		30					30.6842	2.1597	32.0813	28.5875															6
7		20					20.4729	2.1572	32.0737	28.5765															7
8		10					10.4907	2.1522	32.0698	28.5633															8
9		10					11.1253	2.1486	32.0694	28.5602															9
10		5					6.0672	2.1508	32.0700	28.5604															10
11		0					0.7207	2.154288	32.0702	28.5610															11
12		0					1.0488	2.1466	32.0689	28.5539															12

52
6
3/2

SEL: NOAHS Miller Freeman

PROJECT & LEG: MF-95-06

INITIALS: 22/28

CHECKED BY:

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CONSECUTIVE CAST NUMBER		LATITUDE		LONGITUDE		DATE JD=		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	DAY	MO	YR	HR	MIN																												
02	754	45	01	N	16	02	85	W	22	4	19	5	11	92	11	2	8	2	2	0	2	3	7	2	3	5	0	8	6	4	1	2	2	3	4	N13

max depth = 213

FILENAME: CAST027-22APR914

REMARKS (include alternate station designation if applicable):

Position	Bot. #	Trip	Depth	T-rack	Monitor Values							Sample Bottle Data			Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position
					TIME @	Depth	Trip	Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw					
1		10					10.2848	2.9517	32.4139	29.3361						27	/		1
2																	/		2
3																	/		3
4																	/		4
5																	/		5
6																	/		6
7																	/		7
8																	/		8
9																	/		9
10																	/		10
11																	/		11
12																	/		12

VESSEL: NOAAS Miller FreemanPROJECT & LEG: MF-95-06INITIALS: Long

CHECKED BY: _____

PAGE 28 of CONSECUTIVE
CAST
NUMBER

LATITUDE

LONGITUDE

DATE JD= 053TIME
(GMT)DRY
BULB
(°C)WET
BULB
(°C)BAR.
(mb, integer)

SEA STATE

VISIBILITY

WIND
DIRECTIONWIND
SPEED (kts)

CLOUD (amt)

TYPE
WEATHERBOTTOM
DEPTH
(m)STA
NAME/ID

DEG MIN

DEG MIN

DAY MO YR HR MIN

4.0

3.2

023

38

235

12

36

1

287

4M14

02.8 5441.45 N 166 14.58 W 2842 29520333

CTD

ATTACHMENTS:

FILENAME: C45T028-22APR2003

TYPE & SN

LIGHT METER (V)

REMARKS (include alternate station designation if applicable):

W0283

PRESS. SN

FLUOROMETER (V)

may bth of tripod bottle.

W0283

TEMP. SN

OTHER:

Water in rham plug

W0283

COND. SN

OTHER:

rham plug door removed, due to death

Position Bot. # Trip Depth T-rack

TIME @

Monitor Values

Sample Bottle Data

Sal.

Nutrient Bottle #

Chlor/ MZ

Other

Position

Depth

Trip

Press.

Temp.

Salinity

Cond.

Elevat.

ThermP

Avg. Tw

Sal.

Bot. #

Nutrient Bottle #

Chlor/ MZ

Other

Position

Position

1

Bot

277.86313.3927

33.1489

30.5324

-9.9951

-9.9951

-9.9951

-9.9951

-9.9951

-9.9951

-9.9951

-9.9951

-9.9951

-9.9951

-9.9951

1

2

X 2805

286.3291

33.12894

30.5628

-9.9951

-9.9951

-9.9951

-9.9951

-9.9951

-9.9951

-9.9951

-9.9951

-9.9951

-9.9951

-9.9951

2

3

O

287.5757

33.3686

30.2923

-9.9951

-9.9951

-9.9951

-9.9951

-9.9951

-9.9951

-9.9951

-9.9951

-9.9951

-9.9951

-9.9951

3

4

4

5

5

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11

11

12

12

01002910
A55
AB5
60290

[illegible]

[illegible]

VESSEL: N9485 Miller FreemanPROJECT & LEG: MF-95-06INITIALS: DMG

CHECKED BY: _____

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CAST
NUMBER

LATITUDE

LONGITUDE

DATE JD: 113TIME
(GMT)DRY
BULB
(°C)WET
BULB
(°C)BAR.
(mb, integer)

SEA STATE

VISIBILITY

WIND
DIRECTIONWIND
SPEED (kts)

CLOUD (amt)

TYPE

WEATHER

BOTTOM
DEPTH
(m)STA.
NAME/ID

DEG

MIN

DEG

MIN

DAY

MO

YR

HR

MIN

SEC

MIN

SEC

MIN

SEC

MIN

SEC

MIN

SEC

MIN

SEC

MIN

SEC

MIN

SEC

MIN

SEC

MIN

SEC

CID

TYPE & SN

PRESS. SN

TEMP. SN

COND. SN

LIGHT METER (V)

FLUOROMETER (V)

OTHER:

OTHER:

ATTACHMENTS:

FILENAME: C001032-23APR0057

REMARKS (include alternate station designation if applicable):

max depth of tripped bottle: 54m

Position

Bot. #

Trip

Depth

T-rack

TIME @

Depth

Trip

Press.

Temp.

Salinity

Cond.

Fiber

ThermP

Avg. Tw

Sal.

Bot. #

Nutrient

Bottle

#

Chlor/

M.Z.

Other

Position

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

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VESSEL: <u>NOA's Miller Freeman</u>		PROJECT & LEG: <u>MF-95-06</u>		INITIALS: <u>MDA</u>		CHECKED BY: _____		PAGE <u>33</u> of <u> </u>																							
CONSECUTIVE CAST NUMBER		LATITUDE		LONGITUDE		DATE JD=		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		DEG MIN		DAY MO YR		HR MIN		°C		°C		1/10		1/10		1/10		1/10		1/10		1/10		1/10		1/10		1/10	
033 54 21.58 N		165 56.63 W		23 41 29 50 30 7		1.8		6.0		3.8		1.5		0		8		4		1		4		9		0		6		0	
TYPE & SN		PRESS. SN		TEMP. SN		COND. SN		ATTACHMENTS:		FILENAME: <u>06033-230P20251</u>		REMARKS (include alternate station designation if applicable): <u>max depth of trapped bottle: 424</u>																			
BOT. #		TRIP		DEPTH		T-RACK		TIME @		Monitor Values		Sample Bottle Data		Sal. Bot. #		Nutrient Bottle #		Chlor. MZ		Other		Position									
1		1847		200		150		100		104 Press. 104 Temp. 106 Salinity 105 Cond. 108 Fluor.		Thermp Avg. Tw Sal.		15		1382		/		1											
2		200		199.8704		3.6268		32.8737		30.5335		-9.9951		1381		1381		/		2											
3		150		149.9058		3.1754		32.6798		29.9647		-9.9951		1380		1380		/		3											
4		100		101.0209		3.1053		32.5814		29.8081		-9.9951		1379		1379		/		4											
5		60		60.5915		2.8914		32.4408		29.4961		-9.9951		1378		1378		/		5											
6		50		50.5380		2.8034		32.3805		29.3725		-9.9951		1377		1377		/		6											
7		210		40.4068		2.6736		32.2964		29.1885		-9.9951		1376		1376		/		7											
8		30		30.0487		2.6042		32.2529		29.0911		-9.9951		1375		1375		/		8											
9		80		20.3910		2.4413		32.1449		28.8643		-9.9951		1374		1374		/		9											
10		10		10.1902		2.3735		32.0163		28.4086		-9.9951		1373		1373		/		10											
11		5		4.3846		2.2596		31.9856		28.9933		-9.9951		1372		1372		/		11											
12		0		1.1443		2.4378		31.9890		28.9269		-9.9951		1371		1371		/		12											

FILENAME: V04033-230PR0251

REMARKS (include alternate station designation if applicable)

max depth of trapped bottle: 474

[illegible]

VESSEL: N0485 Miller Freeman PROJECT & LEG: MF-95-06INITIALS: WCB CHECKED BY: _____PAGE 35 of _____CONSECUTIVE
CAST
NUMBER

LATITUDE

LONGITUDE

DATE JD= 113

TIME
(GMT)DRY
BULB
(°C)WET
BULB
(°C)BAR
(mb, integer)

SEA STATE

VISIBILITY

WIND
DIRECTIONWIND
SPEED (kts)

CLOUD (amt)

TYPE

WEATHER

BOTTOM
DEPTH
(m)STA.
NAME/ID

DEG MIN

DEG MIN

DAY MO

YR HR MIN

3.0

2.0

1638

1751

1826

165

165

165

165

165

165

165

035 55 04.06 N 164 32.30 W 23 APR 95 13 46 3.0 2.0 1638 1751 1826 165

ATTACHMENTS:

FILENAME: 035-23APR1345TYPE & SN
PRESS. SN
TEMP. SN
COND. SN

REMARKS (include alternate station designation if applicable):

wine collected

CTD036

LIGHT METER (V)
FLUOROMETER (V)
OTHER:
OTHER:MOORE (NG 1
Cage hit get on surface (n.f. very hard).* bottles accidentally
drowned before first
discovery collectedPosition
Bot. #
Trip
Depth
Track

TIME @

Monitor Values

Calm

Sample Bottle Data

Sal.

Nutrient
Bottle #

Chlor/

Other

Position

Depth

Trip

Press.

Temp.

Salinity

Cond.

Elevat.

ThermP

Avg. Tw

Sal.

Bot. #

Nutrient
Bottle #

Chlor/

Other

Position

1 60

55.5241

1.6328

31.7802

31.7802

31.7802

31.7802

31.7802

31.7802

31.7802

31.7802

31.7802

31.7802

31.7802

31.7802

31.7802

2 40

31.7802

1.6314

31.7802

31.7802

31.7802

31.7802

31.7802

31.7802

31.7802

31.7802

31.7802

31.7802

31.7802

31.7802

31.7802

3 30

30.0574

1.6222

31.7765

31.7765

31.7765

31.7765

31.7765

31.7765

31.7765

31.7765

31.7765

31.7765

31.7765

31.7765

31.7765

4 23

23.3209

1.6212

31.7765

31.7765

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31.7765

5 23

23.3717

1.6117

31.7735

31.7735

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31.7735

6 23

23.4211

1.6132

31.7740

31.7740

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31.7740

31.7740

7 20

20.1528

1.6091

31.7729

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8 10

10.1089

1.6116

31.7733

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31.7733

9 5

5.0633

1.6129

31.7737

31.7737

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31.7737

10 5

5.0440

1.6108

31.7732

31.7732

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31.7732

31.7732

31.7732

11 5

5.1192

1.6169

31.7753

31.7753

31.7753

31.7753

31.7753

31.7753

31.7753

31.7753

31.7753

31.7753

31.7753

31.7753

31.7753

12 0

0.0815

1.6039

31.7710

31.7710

31.7710

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31.7710

[illegible]

VESSEL: <u>NOA 88 Miller Freeman</u>		PROJECT & LEG: <u>MF-95-06</u>		INITIALS: _____		CHECKED BY: _____		PAGE _____ of _____	
CONSECUTIVE CAST NUMBER		LATITUDE		LONGITUDE		DATE JD= <u>113</u>		TIME (GMT)	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		DRY BULB (°C)	
0 30 55 03.9 7 N		16 43 21.2 5 W		23 APR 95		16 16		3.5	
WET BULB (°C)		SEA STATE		VISIBILITY		WIND DIRECTION		WIND SPEED (kts)	
2.5		6		38		170		54	
CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH (m)		NAME/ID	
41						60		Sta. 747 Shoal	
CID		TYPE & SN		PRESS. SN		TEMP. SN		COND. SN	
ATTACHMENTS:		LIGHT METER (V)		FLUOROMETER (V)		OTHER:		OTHER:	
FILENAME: <u>CAST030-23APR1995</u>		REMARKS (include alternate station designation if applicable): <u>MOORING 1</u>							
Position		Bot. #		Trip		Depth		T-rack	
1		608							
2		50							
3		40							
4		30							
5		23							
6		20							
7		10							
8		0							
9									
10									
11									
12									
TIME @		Depth		Trip		Press.		Temp.	
1						56.7344		1.6537	
2						48.1231		1.4312	
3						40.5508		1.5406	
4						29.7811		1.5189	
5						23.1942		1.5104	
6						20.1086		1.5116	
7						10.0420		1.5075	
8						1.1180		1.5073	
9									
10									
11									
12									
Monitor Values		Salinity		Cond.		Fluor.		Thermp	
1		31.7909		27.5554					
2		31.7824		27.4221					
3		31.7341		27.0224					
4		31.7179		27.7771					
5		31.7101		27.7613					
6		31.7118		27.7623					
7		31.7084		27.7519					
8		31.7084		27.7480					
9									
10									
11									
12									
Sample Bottle Data		Avg. Tw		Sal.		Sal. Bot. #		Nutrient Bottle #	
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
Chlor/ MZ		Other		Position		Chlor/ MZ		Other	
1									
2									
3									
4									
5									

[illegible]

[illegible]

VESSEL: N0485 Miller Freeman PROJECT & LEG: MF-95-06

INITIALS: Long

CHECKED BY: _____

PAGE 39 of

CONSECUTIVE
CAST
NUMBER

LATITUDE

LONGITUDE

DATE JD=

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 94
BA-10
STA.
NAME/ID

DEG MIN

DEG MIN

DAY MO

YR HR

MIN

3.10

2.23

0

4

7

10

1

6

11

116

0129 5508.38 N 16541.08 W 2641295 0728

2641295 0728

0728

3.10

2.23

0

4

7

10

1

6

11

116

116

ATTACHMENTS:

FILENAME: 057039-26APR0658

REMARKS (include alternate station designation if applicable):

TYPE & SN _____
PRESS. SN _____
TEMP. SN _____
COND. SN _____

LIGHT METER (V) _____
FLUOROMETER (V) _____
OTHER: _____
OTHER: _____

Position Bot. # Trip Depth T-rack

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.

13

1390

X

603

2

25

10

25.4681

2.1841

31.9358

28.4845

-8.8229

-8.8206

5.2946

2.1504

31.9119

28.4360

-8.6337

4

10

10

10

10

10

10

10

10

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10

10

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10

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[illegible]

CONSECUTIVE CAST NUMBER		LATITUDE		LONGITUDE		DATE JD= <u>129</u>		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	
04	25	6	37	42	N	16	43	7	36	W	29	APR	89	5	19	00	11.0	1.0	117	47	190	108	56	75	41	22							

CTD TYPE & SN _____ PRESS. SN _____ TEMP. SN _____ COND. SN _____

ATTACHMENTS: LIGHT METER (✓) FLUOROMETER (✓) OTHER: chlm OTHER: _____

FILENAME: CAST042-29APR1859

REMARKS (include alternate station designation if applicable): Max depth = 67

Position	Bot. #	Trip	Depth	T-rack	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		5					25.0766	-0.3800	31.6816	26.2387						X /	abs	1	
2		10					10.4243	-0.3992	31.6780	26.2145					1397	X /	604202	2	
3		5					5.1824	-0.3195	31.6776	26.2117					1390	X /	604203	3	
4																/		4	
5																/		5	
6																/		6	
7																/		7	
8																/		8	
9																/		9	
10																/		10	
11																/		11	
12																/		12	

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

VESSEL: N0485 Miller Freeman PROJECT & LEG: MF-95-06 INITIALS: dong CHECKED BY: _____ PAGE 49 of 1

CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	9BAR (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN											

01 may 0013
049 54 53.05 N 164 56.40 W 01 77 49 55 00 13 4.9 3.8 107 07 11 86 1 73

CID
TYPE & SN
PRESS. SN
TEMP. SN
COND. SN

ATTACHMENTS:
LIGHT METER (N)
FLUOROMETER (N)
OTHER:
OTHER:

FILENAME: Cast 049 - 01 may 0006
REMARKS (include alternate station designation if applicable):
may depth: 36.0

Position	Bot. #	Trip	Depth	T-rack	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			30			30.1673	2.4741	31.9158	28.7095	-8.7427						/		1	
2			30			29.8312	2.4740	31.9157	28.7092	-8.7491						/		2	
3			30			30.2106	2.4733	31.9181	28.7107	-8.8060						/		3	
4			30			30.4635	2.4731	31.9187	28.7112	-8.8138						/		4	
5			30			30.7612	2.4733	31.9186	28.7113	-8.8125						/		5	
6			30			30.8570	2.4730	31.9192	28.7116	-8.8053						/		6	
7			30			30.9312	2.4733	31.9191	28.7118	-8.8441						/		7	
8			30			30.9796	2.4733	31.9196	28.7117	-8.7718						/		8	
9			30			30.9458	2.4734	31.9192	28.7120	-8.8020						/		9	
10																X /	ug015	9	
11																/		10	
12																/		11	
																/		12	

[illegible]

[illegible]

[illegible]