





VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF 06-10		STATION DESIGNATION <b>H10</b>	
CONSC CAST #		LATITUDE		LONGITUDE	
0035656.62N		15948.93W		12 SEP 06	
CTD		TIMES		DATE JD=	
TYPE & SN 9+ S/N 91220A		DATA ON		2259	
PRESS SN 80020		START DOWN		2300	
PRI COND SN 915		AT DEPTH		2301	
PRI TEMP SN 710		AT SURFACE		2304	
SEC COND SN 884					
SEC TEMP SN 304					
PAR 4242 <input checked="" type="checkbox"/>		WETSTAR 678 <input checked="" type="checkbox"/>		Dissolved Oxygen 430904 <input checked="" type="checkbox"/>	
				Dissolved Oxygen 430910 <input checked="" type="checkbox"/>	
				Cleaned air bleed valve <input type="checkbox"/>	
CTD CONVERTED MONITOR VALUES		Tape/Diskette ID MF-06-09		File Name/Header CTD 03	
POS.		TRIP DEPTH		DATA LOCATION	
PRESSURE		PRI. TEMP.		SEC. TEMP.	
PRI. SALINITY		SEC. SALINITY		SALINITY	
SAL.		MORDY'S NUTR.		CHL.	
WHIT'S NUTR.		WIND DIRN.		WIND SPD.	
CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)	
357		00570		H10	
MAX. DEPTH = 53.1 m		No Bottles		61 depth	
1		2		3	
4		5		6	
7		8		9	
10		11		12	



VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-06-10		STATION DESIGNATION <b>Q4</b>	
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT)	DRY BULB (°C)
0055608.43 N	16035.50 W	13 SEP 06	161729.279.321	WIND DIRN (deg)	WIND SPD (kts)
CTD	TIMES DATA ON		DATA LOCATION		REMARKS
TYPE & SN 9+ S/N 91220A	1615		Tape/Diskette ID MF-06-09		very shallow
PRESS SN 80020	1615		File Name/Header CTD 05		w/s 10m/min
PRI COND SN 915	1617				No bottles
PRI TEMP SN 710	1618				MAX. DEPTH = 15.2 m
SEC COND SN 884					13 w/o
SEC TEMP SN 304					
POS. TRIP DEPTH	<input checked="" type="checkbox"/> PAR 4242		<input checked="" type="checkbox"/> WETSTAR 678		<input type="checkbox"/> Cleaned air bleed valve
	PRESSURE		Dissolved Oxygen . 430904		<input checked="" type="checkbox"/> Dissolved Oxygen . 430910
1	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-06-10				STATION DESIGNATION 07															
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)	% Hum (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
0065621.70N		16048.05W		13 SEP 06		194211.483.317		5719										0045		07	
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS													
TYPE & SN 9+ S/N 91220A		DATA ON		1940		Tape/Diskette ID		File Name/Header													
PRESS SN 80020		START DOWN		1941		<del>80020</del>		CTD		OK											
PRI COND SN 915		AT DEPTH		1942																	
PRI TEMP SN 710		AT SURFACE		1944																	
SEC COND SN 884																					
SEC TEMP SN 304																					
POS: TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY'S NUTR.		CHL.		WHIT'S NUTR.	
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

PAR 4242  
 WETSTAR 678  
 Dissolved Oxygen 430904  
 Dissolved Oxygen 430910  
 Cleaned air bleed valve

CTD CONVERTED MONITOR VALUES

MAX DEPTH = 40.7 m

38 wfo



VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-06-10		STATION DESIGNATION	
CONSC CAST #		LATITUDE		LONGITUDE	
0085633.45 N		162011.56 W		14 SEP 06	
DEG MIN		DEG MIN		DATE JD=	
TIME (GMT)		DRY BULB (°C)		% Hum (°C)	
1537		11.79		3.09	
HR MIN		PRESSURE (mb)		SEA STATE *	
1537		12520		VISIBILITY *	
DATA LOCATION		WIND DIRN. (deg)		WIND SPD. (kts)	
Tape/Diskette ID MF-06-10		12520		CLOUD (amt) * * *	
File Name/Header CTD 008		WEATHER		BOTTOM DEPTH (m)	
CTD		TIMES		REMARKS	
TYPE & SN 9+ S/N 91220A		DATA ON 1534		006900N13	
PRESS SN 80020		START DOWN 1535			
PRI COND SN 915		AT DEPTH 1537			
PRI TEMP SN 710		AT SURFACE 1545		MAX DEPTH = 65.1 m	
SEC COND SN 884					
SEC TEMP SN 304					
POS. TRIP DEPTH		PRESSURE		PRI. TEMP.	
1		60.3			
2		60.2			
3		49.7			
4		39.5			
5		30.3			
6		20.5			
7		10.0			
8		1.6			
9					
10					
11					
12					

PAR 4242  
 WETSTAR 678  
 Dissolved Oxygen 430904  
 Dissolved Oxygen 430910  
 Cleaned air bleed valve

CTD CONVERTED MONITOR VALUES

SAMPLE BOTTLE DATA  
 SAL. MORDY'S NUTR. CHL. WHIT'S NUTR.



VESSEL		PROJECT & LEG		STATION DESIGNATION											
NOAA RV MILLER FREEMAN		MF 06-10		A-c10											
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB (°C)	% Hum (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (Kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
009	5606.106N	16235.27W	15 SEP 06	0323	11.79	4.39	02170	6						78	A/C10
CTD	TYPE & SN	DATA ON	TIMES	JD/TIME	DATA LOCATION		REMARKS								
	9+ S/N 91220A			0320	Tape/Diskette ID MF-06-10		File Name/Header CTD 009		MAX. DEPTH = 72.6 m						
PRESS SN	80020	START DOWN		0321											
PRI COND SN	915	AT DEPTH		0323											
PRI TEMP SN	710	AT SURFACE		0329											
SEC COND SN	884														
SEC TEMP SN	304														
<input checked="" type="checkbox"/> PAR 4242 <input checked="" type="checkbox"/> METSTAR 678 <input checked="" type="checkbox"/> Dissolved Oxygen                    430904 <input checked="" type="checkbox"/> Dissolved Oxygen                    430910 <input type="checkbox"/> Cleaned air bleed valve															
CTD CONVERTED MONITOR VALUES															
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAL.	MORDY'S NUTR.	CHL.	WHIT'S NUTR.	SAMPLE BOTTLE NUMBER			
1	60	60.1													
2	50	49.2													
3	40	41.2													
4	30	30.6													
5	20	20.3													
6	10	10.4													
7	0	1.9													
8															
9															
10															
11															
12															

Bottle @ 50m did not fire 1st attempt. Surface bottle open at surface, so second attempt worked, on way up, 40m passed w/o stopping. Descended to 40m fired bottle, then ascended again. OK per sheet.

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF 06-10				STATION DESIGNATION AF13																	
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)	% Hum (°C)	PRESSURE (mb) *	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID			
010	5612.34	N	16312.01	W	15	S	E	P	06	0942	9.199	0904	216	12	216	12			85	AF13			
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS															
TYPE & SN		9+ S/N 91220A		DATA ON		0938		Tape/Diskette ID		File Name/Header													
PRESS SN		80020		START DOWN		0940		MF-06-08 10		CTD 010													
PRI COND SN		915		AT DEPTH		0942																	
PRI TEMP SN		710		AT SURFACE		0949																	
SEC COND SN		884																					
SEC TEMP SN		304																					
POS. TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY's NUTR.		CHL.		WHIT's NUTR.			
1	75	51	75.3																				
2	75	51	75.3																				
3	60	104	60.2																				
4	50	1	50.3																				
5	40	1	40.3																				
6	30	1	29.8																				
7	20	1	20.1																				
8	10	1	9.8																				
9	0	1	2.4																				
10																							
11																							
12																							

PAR 4242   
  WEI STAR 678   
  Dissolved Oxygen   
 430904   
  Dissolved Oxygen   
 430910

CTD CONVERTED MONITOR VALUES   
  Cleaned air bleed valve

SAMPLE BOTTLE DATA

SAMPLE BOTTLE NUMBER

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF 06-10				STATION DESIGNATION AF4																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)		% Hum (°C)		PRESSURE (mb)		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD. (kts)		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
0115532.37N		16233.52W		15 SEP 06		173809.390.190		19418																						26 AF4	
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS																							
TYPE & SN		9+ S/N 91220A		DATA ON		1735		Tape/Diskette ID		File Name/Header																					
PRESS SN		80020		START DOWN		1735		MF-06-09		CTD 011																					
PRI COND SN		915		AT DEPTH		1738																									
PRI TEMP SN		710		AT SURFACE		1739																									
SEC COND SN		884																													
SEC TEMP SN		304																													
POS. TRIP DEPTH				PAR 4242		WETSTAR 678		Dissolved Oxygen		430904		Dissolved Oxygen		430910		Cleansed air bleed valve															
				CTD CONVERTED MONITOR VALUES																											
PRESSURE		PRI TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY'S NUTR.		CHL.		WHIT'S NUTR.													
1																															
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

18 w/o

21 m

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF 06-10				STATION DESIGNATION A17																									
CONSC CAST #		LATITUDE DEG MIN		LONGITUDE DEG MIN		DATE JD= DAY MO YR		TIME (GMT)		DRY BULB (°C)		% Hum (°C)		PRESSURE (mb)		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
0125538.44N		116309.40W		15 SEP 06		22 22 09		19 16.688		203		117		006600A17																	
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS																							
TYPE & SN		9+ S/N 91220A		DATA ON		22 19		Tape/Diskette ID		File Name/Header																					
PRESS SN		80020		START DOWN		22 19		MF-06-10		CTD 012																					
PRI COND SN		915		AT DEPTH		22 22																									
PRI TEMP SN		710		AT SURFACE		22 25																									
SEC COND SN		884																													
SEC TEMP SN		304																													
POS. TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY's NUTR.		CHL.		WHIT's NUTR.											
1		NONE																													
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

PAR 4242  
 WETSTAR 678  
 Dissolved Oxygen 430904  
 Dissolved Oxygen 430910  
 Cleaned air bleed valve

MAX. DEPTH = 62 m  
61 w/o

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF 06-10				STATION DESIGNATION AL10																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)		% Hum (°C)		PRESSURE (mb)		SEA STATE		VISIBILITY		WIND DIRN. (deg)		WIND SPD. (kts)		CLOUD (amt)		TYPE WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
0135544.64N		16345.56W		16 SEP 06		0701		9.398		0.891		32903														92 AL10					
CTD		TYPE & SN 9+ S/N 91220A		DATA ON		JD/TIME		Tape/Diskette ID		File Name/Header		DATA LOCATION		REMARKS																	
PRESS SN 80020		START DOWN		0656		MF-06-10		CTD 013						Station AL10																	
PRI COND SN 915		AT DEPTH		0701																											
PRI TEMP SN 710		AT SURFACE		0709																											
SEC COND SN 884																															
SEC TEMP SN 304																															
POS.		TRIP DEPTH		PRESSURE		PRI TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY's NUTR.		CHL.		WHIT'S NUTR.									
1		5L 80		80.0																											
2		5L 80		80.1																											
3		10L 70		70.3																											
4		10L 60		59.7																											
5		10L 50		50.3																											
6		10L 40		38.8																											
7		10L 30		30.8																											
8		10L 20		19.9																											
9		10L 10		9.8																											
10		5L 0		2.0																											
11		5L 0		2.9																											
12																															

PAR 4242  
 WETSTAR 678  
 Dissolved Oxygen 430904  
 Dissolved Oxygen 430910  
 Cleaned air bleed valve

CTD CONVERTED MONITOR VALUES

SAMPLE BOTTLE DATA

SAMPLE BOTTLE NUMBER

MAX. DEPTH = 85.6 m

82 w/o

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF 06-10				STATION DESIGNATION A04									
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT)	DRY BULB (°C)	% Hum (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN (deg)	WIND SPD. (Kts)	CLOUD (amt) *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
0145511.06	N 16343.11	W 1606	SEP 06	154909.2	99.3	94	201	04						0094	A04
CTD		TIMES		JD/TIME		DATA LOCATION				REMARKS					
TYPE & SN 9+ S/N 91220A		DATA ON		1545		Tape/Diskette ID MF-06-10				File Name/Header CTD 014					
PRESS SN 80020		START DOWN		1546											
PRI COND SN 915		AT DEPTH		1547											
PRI TEMP SN 710		AT SURFACE		5:49											
SEC COND SN 884															
SEC TEMP SN 304															
		<input checked="" type="checkbox"/> PAR 4242		<input checked="" type="checkbox"/> WETSTAR 678		<input checked="" type="checkbox"/> Dissolved Oxygen		430904		<input checked="" type="checkbox"/> Dissolved Oxygen		430910		<input type="checkbox"/> Cleaned air bleed valve	
CTD CONVERTED MONITOR VALUES															
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	SAL.	MORDY's NUTR.	CHL.	WHIT'S NUTR.		
1		No Bottles													
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															

MAX. DEPTH = 38.7 m  
36 w/o



VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF 06-10		STATION DESIGNATION											
CONSC	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB (°C)	% Hum (°C)	PRESSURE (mb) *	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (kts)	CLOUD (amt) *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
0165456	80N	16430.37W	17 SEP 06	184207.9	71.4	110	15702			15702				0044	AVU4
CTD	TIMES		JD/TIME	DATA LOCATION											
TYPE & SN	DATA ON		1840	Tape/Diskette ID MF-06-10 File Name/Header CTD 16											
PRESS SN	START DOWN		1841												
PRI COND SN	AT DEPTH		1842												
PRI TEMP SN	AT SURFACE		1844												
SEC COND SN			884												
SEC TEMP SN			304												
		<input checked="" type="checkbox"/> PAR 4242	<input checked="" type="checkbox"/> METSTAR 678	<input checked="" type="checkbox"/> Dissolved Oxygen 430904		<input checked="" type="checkbox"/> Dissolved Oxygen 430910		<input type="checkbox"/> Cleaned air bleed valve							
CTD CONVERTED MONITOR VALUES															
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAMP. BOTTLE DATA	SAMP. BOTTLE NUMBER	SAL.	MORDY'S NUTR.	CHL.	WHIT'S NUTR.		
1		No Bottles													
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															

MAX. DEPTH = 38.7m  
35



VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-06-10		STATION DESIGNATION AX7								
CONSC CAST #		LATITUDE		LONGITUDE								
DEG MIN		DEG MIN		DATE JD=								
01 755 02.81 N		16 505.23 W		17 SEP 06								
CTD		TIMES		JD/TIME								
TYPE & SN 9+ S/N 91220A		DATA ON		2354								
PRESS SN 80020		START DOWN		2355								
PRI COND SN 915		AT DEPTH		2359								
PRI TEMP SN 710		AT SURFACE		0008 N/D								
SEC COND SN 884												
SEC TEMP SN 304												
<input checked="" type="checkbox"/> PAR 4242 <input checked="" type="checkbox"/> WETSTAR 678 <input type="checkbox"/> Dissolved Oxygen <input checked="" type="checkbox"/> Dissolved Oxygen <input type="checkbox"/> Cleaned air bleed valve		CTD CONVERTED MONITOR VALUES		430904 430910								
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	MORDY'S NUTR.	CHL.	WHIT'S NUTR.
1	Bottom	101.5										
2	Bottom	100.8										
3	70	69.9										
4	60	60.6										
5	50	50.5										
6	40	40.1										
7	30	29.8										
8	20	20.1										
9	10	10.4										
10	Surface	20.7										
11	Surface	20										
12	Surface	20										

REMARKS  
 Was instructed to get bottles at bottom then was told to collect at 100 m  
 MAX. DEPTH = 106.3 m  
 104

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF06 <del>06</del> / 10		STATION DESIGNATION AX4	
CONSC CAST #		LONGITUDE		DATE JD=	
DEG MIN		DEG MIN		DAY MO YR	
0 18 54 49 . 59 N		16 45 3 . 09 W		18 SEP 06	
TIME (GMT)		DRY BULB (°C)		% Hum (°C)	
03 21		8 . 47		6 . 80	
PRESSURE (mb)		SEA STATE		VISIBILITY	
11421		*		*	
WIND DIRN. (deg)		WIND SPD. (Kts)		CLOUD (amt)	
114		21		* * *	
WIND TYPE		WEATHER		BOTTOM DEPTH (m)	
AX4		AX4		72 AX4	
CTD		TIMES		JD/TIME	
TYPE & SN		DATA ON		038	
9+ S/N 91220A		START DOWN		0319	
PRESS SN		AT DEPTH		0321	
80020		AT SURFACE		0323	
PRI COND SN					
915					
PRI TEMP SN					
710					
SEC COND SN					
884					
SEC TEMP SN					
304					
POS. TRIP DEPTH		PRESSURE		PRI. TEMP.	
bottom		No bottles			
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

PAR 4242   
  WETSTAR 678   
  Dissolved Oxygen   
 430904   
  Dissolved Oxygen   
 430910

CTD CONVERTED MONITOR VALUES

Cleaned air bleed valve

MAX. DEPTH = 65.8 m  
63 m/s

DATA LOCATION

Tape/Diskette ID    File Name/Header  
 MF-06 ~~10~~    CTD 018

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF06-10				STATION DESIGNATION																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)		% Hum (°C)		PRESSURE (mb)		SEA STATE		VISIBILITY		WIND DIRN. (deg)		WIND SPD. (kts)		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
01954		35.16N		16538.83W		20 SEP 06		175907.889		.813		118908														0333		BDH			
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS																							
TYPE & SN		9+ S/N 91220A		DATA ON		1747		10 bottles deployed																							
PRESS SN		80020		START DOWN		1748		30m and compromised																							
PRI COND SN		915		AT DEPTH		1759		CTD Repeated!																							
PRI TEMP SN		710		AT SURFACE		1815		MAX. DEPTH = 326.5m																							
SEC COND SN		884						523 m																							
SEC TEMP SN		304																													
POS. TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY'S NUTR.		CHL.		WHIT'S NUTR.											
1 bottom		3017		5.0		4.05																									
2 200		3003		4.95																											
3 150		1480		5.35		4.7																									
4 50		507		6.5		6.3																									
5 40		42.8		7.65		7.9																									
6 30		30.9		7.9		7.9																									
7 20		20.9		7.9		7.9																									
8 10		10.5		7.9		7.9																									
9 surface		1.9		7.9		7.8																									
10																															
11																															
12																															

PAR 4242  WETSTAR 678  Dissolved Oxygen 430904  Dissolved Oxygen 430910

thru CTD

Cleaned air bleed valve

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF06-10		STATION DESIGNATION BD4	
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT)	DRY BULB (°C)
0205435.04 N	16538.33 W	20 SEP 06	185407.985.013	13506	13506
CTD	TYPES & SN 9+ S/N 91220A	DATA ON	18 51	DATA LOCATION	REMARKS
	PRESS SN 80020	START DOWN	18 53	Tape/Diskette ID MF-06-10	File Name/Header CTD 20
	PRI COND SN 915	AT DEPTH	18 54		
	PRI TEMP SN 710	AT SURFACE	18 58		
	SEC COND SN 884				
	SEC TEMP SN 304				
POS.	TRIP DEPTH	<input checked="" type="checkbox"/> PAR 4242 <input checked="" type="checkbox"/> METSTAR 678 <input type="checkbox"/> Dissolved Oxygen <input checked="" type="checkbox"/> Dissolved Oxygen <input type="checkbox"/> Cleaned air bleed valve		430904	430910
CTD CONVERTED MONITOR VALUES					
	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY
1	bottom				
2	200				
3	150				
4	50				
5	30				
6	30				
7	20				
8	10				
9	surface				
10					
11					
12					

MAX. DEPTH = 34.4 m  
32





VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF 06-10				STATION DESIGNATION B13									
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD =	TIME (GMT)	DRY BULB (°C)	% Hum (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN (deg)	WIND SPD (kts)	CLOUD (amt) *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
0235500.57N	16701.91W	2225	E P 0 6	0234	7.28	4.8	035	26	7	20	157	B13			B13
CTD		TIMES		JD/TIME		DATA LOCATION				REMARKS					
TYPE & SN		DATA ON		0226		Tape/Diskette ID				File Name/Header					
PRESS SN		START DOWN		0227		MF-06-10				CTD 023					
PRI COND SN		AT DEPTH		0234											
PRI TEMP SN		AT SURFACE		0238											
SEC COND SN															
SEC TEMP SN															
		<input checked="" type="checkbox"/> PAR 4242		<input checked="" type="checkbox"/> WETSTAR 678		<input checked="" type="checkbox"/> Dissolved Oxygen		430904		<input checked="" type="checkbox"/> Dissolved Oxygen		430910		<input type="checkbox"/> Cleaned air bleed valve	
CTD CONVERTED MONITOR VALUES															
POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	SAL.	MORDY'S NUTR.	CHL.	WHIT'S NUTR.		
1	No	bottles													
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															

MAX. DEPTH = 150.3 m  
152 m