

VESSEL		PROJECT & LEG				STATION DESIGNATION										
NOAA RV MILLER FREEMAN		MF-07-02				06-CB-1A										
CONSC CAST #	LATITUDE	LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (knts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
001	5743.15 N	15218.26 W	17 FEB 07	2230	3.9	2.9	9.8	71.9	9.8	2	1.59	001				
CTD	TIMES		JD/TIME		DATA LOCATION				REMARKS							
TYPE & SN	9+ S/N 91220A		DATA ON		Tape/Diskette ID				NO = OXYGEN 1							
PRESS SN	80020		START DOWN		MF-07-02				N2 = FLUOR							
PRI COND SN	915		AT DEPTH		CTD 001				N4 = PAR							
PRI TEMP SN	710		AT SURFACE						MAX. DEPTH = 157 m							
SEC COND SN	304															
SEC TEMP SN	884															
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA				Cleaned air bleed valve								
		PAR 4690	WETSTAR 1036P	Disolved Oxygen 430904	Disolved Oxygen	430910										
1	Bottom															
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																

PRESSURE 156

2224

2225

2230

SAL. 079

NO = OXYGEN 1

N2 = FLUOR

N4 = PAR

CTD CONVERTED MONITOR VALUES

DATA LOCATION

REMARKS

Cleaned air bleed valve

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-02				STATION DESIGNATION 07-C8-1A															
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN (deg)	WIND SPD (knts)	CLOUD (amt)	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID		
002	5742.99N	152	17.75W	18	FEB	07	0006	5.0	3.5	977	7	197	132	2	151	002					
CTD		TIMES		JD/TIME		DATA LOCATION				REMARKS											
TYPE & SN 9+ S/N 91220A		DATA ON		0001		Tape/Diskette ID MF-07-02				File Name/Header CTD 002											
PRESS SN 80020		START DOWN		0001																	
PRI COND SN 915		AT DEPTH		0006																	
PRI TEMP SN 710		AT SURFACE		0011						MAX. DEPTH = 147 m											
SEC COND SN 304																					
SEC TEMP SN 884																					
POS. TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY's NUTR.		CHL.		WHIT'S NUTR.	
1	Bottom	146												005							
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

PAR 4690
 METSTAR 1036P
 Dissolved Oxygen 430904
 Dissolved Oxygen 430910
 Cleaned air bleed valve

CTD CONVERTED MONITOR VALUES CTD CONVERTED MONITOR VALUES CTD CONVERTED MONITOR VALUES

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-02				STATION DESIGNATION FOX 58																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=049		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE		VISIBILITY		WIND DIRN. (deg)		WIND SPD. (knts)		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
0106		57 36.10 N		155 01.02 W		18 FEB 07		15149		3.5		1.8		96		215		8								231		006			
CTD		TYPE & SN		DATA ON		JD/TIME		Tape/Diskette ID		File Name/Header		DATA LOCATION		REMARKS		MAX. DEPTH =															
		9+ S/N 91220A		1542		1542		MF-07-02		CTD 006				222 wlo		226															
		PRESS SN 80020		START DOWN		1542																									
		PRI COND SN 915		AT DEPTH		1550																									
		PRI TEMP SN 710		AT SURFACE																											
		SEC COND SN 304																													
		SEC TEMP SN 884																													
POS. TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY'S NUTR.		CHL.		WHIT'S NUTR.											
1 Bottom		225												74																	
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

ascent increased to 45 m/min at 122m - Acg stopped.

PAR 4690
 METSTAR 1036P
 Dissolved Oxygen 430904
 Dissolved Oxygen 430910
 Cleaned air bleed valve

CTD CONVERTED MONITOR VALUES

SAMPLE BOTTLE DATA

SAMPLE BOTTLE NUMBER

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-02				STATION DESIGNATION 06-PA-1A pre-recovery																											
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN. (deg)		WIND SPD. (knts)		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
0105516.62 N		16141.20 W		20 FEB 07		0051		3.5		2.9		9914		270		25		8		5		84		PA-1A									
CTD		TYPE & SN 9+ S/N 91220A		DATA ON		JD/TIME		Tape/Diskette ID		File Name/Header		DATA LOCATION		REMARKS		MAX. DEPTH = 79 m																	
PRESS SN 80020		START DOWN		0049		0051		MF-07-02		CTD 010																							
PRI COND SN 915		AT DEPTH		0051																													
PRI TEMP SN 710		AT SURFACE																															
SEC COND SN 304																																	
SEC TEMP SN 884																																	
POS. TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY'S NUTR.		CHL.		WHIT'S NUTR.		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER		Cleaned air bleed valve							
1 807m														64																			
2																																	
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

CTD CONVERTED MONITOR VALUES

PAR 4690

WETSTAR 1036P

Dissolved Oxygen 430904

Dissolved Oxygen 430910

Cleaned air bleed valve

VESSEL: NOAA RV MILLER FREEMAN
 PROJECT & LEG: MF-07-02
 STATION DESIGNATION: 07-PA-1A post deployment

CONSC CAST #	DEG	MIN	LONGITUDE	DEG	MIN	DATE	JD=	DAY	MO	YR	HR	MIN	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (knts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
011	55	10	94 N	161	41	20	07	03	20	07	03	20	2.7	2.0	0.0	0.25	27	01	18	8	7	85		

CTD TYPE & SN: 9+ S/N 91220A
 PRESS SN: 80020
 PRI COND SN: 915
 PRI TEMP SN: 710
 SEC COND SN: 304
 SEC TEMP SN: 884

START DOWN: 0317
 AT DEPTH: 0320
 AT SURFACE

DATA LOCATION: Tape/Diskette ID MF-07-02, File Name/Header CTD 011

REMARKS: MAX. DEPTH = 81 m

PAR 4690
 WETSTAR 1036P
 Dissolved Oxygen 430904
 Dissolved Oxygen 430910

POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAL.	MORDY'S NUTR.	CHL.	WHIT'S NUTR.
1	8.77 m							61			
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Cleaned air bleed valve
 CTD CONVERTED MONITOR VALUES

VESSEL		PROJECT & LEG		STATION DESIGNATION											
NOAA R/V MILLER FREEMAN		MF-07-02													
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD= 0 5 2	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (knts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
01252	26.18 N	171.23.56 W	21 FEB 07	1346	4.4	3.8	0.6			120	14			182	
CTD	TYPE & SN	DATA ON	JD/TIME	DATA LOCATION		REMARKS									
	9+ S/N 91220A	1340		Tape/Diskette ID MF-07-02		File Name/Header CTD 012		w/o 181							
	PRESS SN 80020	START DOWN	1341												
	PRI COND SN 915	AT DEPTH	1346												
	PRI TEMP SN 710	AT SURFACE													
	SEC COND SN 304														
	SEC TEMP SN 884														
POS.	TRIP DEPTH	PAR 4690	WETSTAR 1036P	Disolved Oxygen 430904	Disolved Oxygen 430910	Cleaned 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	Bottom						69								
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															

MAX. DEPTH = 177 m

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-02				STATION DESIGNATION 06-AMP-10																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD = 052		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE		VISIBILITY		WIND DIRN. (deg)		WIND SPD. (knts)		CLOUD (amt)		TYPE WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
013		52 26.34 N		171 27.32 W		21 FEB 07		1439		4.1		3.8		0.6				140		9						422 AMP 4A					
CTD		TYPE & SN		DATA ON		JD/TIME		Tape/Diskette ID		File Name/Header		DATA LOCATION		REMARKS																	
		9+ S/N 91220A		START DOWN		1927		MF-07-02		CTD 013		pre-recovery		416 note																	
		PRESS SN 80020		AT DEPTH		1439																									
		PRI COND SN 915		AT SURFACE																											
		PRI TEMP SN 710																													
		SEC COND SN 304																													
		SEC TEMP SN 884																													
POS. TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY'S NUTR.		CHL.		WHIT'S NUTR.											
1 Bottom														51																	
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

CTD CONVERTED MONITOR VALUES

Cleaned air bleed valve

PAR 4690

WETSTAR 1036P

Dissolved Oxygen 430904

Dissolved Oxygen 430910

Cleaned air bleed valve

MAX DEPTH = 12.3 m

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-02				STATION DESIGNATION 06 AM 8-9A																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE		VISIBILITY		WIND DIRN. (deg)		WIND SPD. (knts)		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
016		52 23.06 N		172 47.13 W		21 FEB 07		1848		3.9		3.1		074		6		280		178						365		016			
CTD		TYPE & SN 9+ S/N 91220A		DATA ON		1836		Tape/Diskette ID MF-07-02		File Name/Header CTD 016		REMARKS		MAX. DEPTH = 359 m																	
PRESS SN 80020		START DOWN		1836																											
PRI COND SN 915		AT DEPTH		1848																											
PRI TEMP SN 710		AT SURFACE																													
SEC COND SN 304																															
SEC TEMP SN 884																															
POS.		TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY'S NUTR.		CHL.		WHIT'S NUTR.									
1		8770m														36															
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

PAR 4690
 WETSTAR 1036P
 Dissolved Oxygen 430904
 Dissolved Oxygen 430910
 Cleaned air bleed valve

CTD CONVERTED MONITOR VALUES

SAMPLE BOTTLE DATA

SAMPLE BOTTLE NUMBER

VESSEL		PROJECT & LEG										STATION DESIGNATION							
NOAA RV MILLER FREEMAN		MF-07-02										01 AMP-3A							
CONSC CAST #	LATITUDE	LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (knts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
0185224.48 N	17154.77 W	22	Feb	07	18	07	3.0	2.2	0757	3	4	0	26	8			304	018	
CTD	TIMES		JD/TIME		DATA LOCATION														
TYPE & SN	DATA ON		1758		Tape/Diskette ID														
PRESS SN	START DOWN		1759		File Name/Header														
PRI COND SN	AT DEPTH		1807		MF-07-02														
PRI TEMP SN	AT SURFACE		1813		CTD 018														
SEC COND SN					MAX. DEPTH = 290 m														
SEC TEMP SN																			
POS. TRIP DEPTH		<input checked="" type="checkbox"/> PAR 4690 <input checked="" type="checkbox"/> WETSTAR 1036P <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																	
1	Bottle	290.7																	
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Bottle did not release. Pointer at bottle up so setup correct. Snagged.

Wind counter not working

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-02				STATION DESIGNATION Fast 07 07 AMP1A																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD =		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE		VISIBILITY		WIND DIRN (deg)		WIND SPD. (knts)		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
0215225.84N		17123.67W		22 FEB 07		2112		2112		3.1		2.0		0757335		2Y		8		209											
CTD		TYPE & SN		DATA ON		JD/TIME		Tape/Diskette ID		File Name/Header		CTD		REMARKS		MAX DEPTH = 198 m															
PRESS SN		80020		START DOWN		2106		MF-07-02		CTD 021		Last CTD on Analog CTD line																			
PRI COND SN		915		AT DEPTH		2112																									
PRI TEMP SN		710		AT SURFACE																											
SEC COND SN		304																													
SEC TEMP SN		884																													
POS. TRIP DEPTH		Bottom		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY'S NUTR.		CHL.		WHIT'S NUTR.									
1		Bottom												80																	
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

PAR 4690
 METSTAR 1036P
 Dissolved Oxygen 430904
 Dissolved Oxygen 430910
 CTD CONVERTED MONITOR VALUES

Cleaned air bleed valve

MAX DEPTH = 198 m

Last CTD on
 Analog CTD line

VESSEL NOAA R/V MILLER FREEMAN		PROJECT & LEG MF-07-02		STATION DESIGNATION CTD "L"	
CONSC CAST #		LATITUDE		LONGITUDE	
DEG MIN		DEG MIN		DATE	
022 53 22.19 N		168 41.67 W		JD= 054 07 FEB 07	
CTD		TIMES		TIME (GMT)	
TYPE & SN		DATA ON		DRY BULB (°C)	
9+ S/N 91220A		1347		1.8	
PRESS SN		START DOWN		WET BULB (°C)	
80020		1348		1.8	
PRI COND SN		AT DEPTH		PRESSURE (mb)	
915		1357		33521	
PRI TEMP SN		AT SURFACE		SEA STATE	
710				VISIBILITY	
SEC COND SN				WIND DIRN. (deg)	
304				WIND SPD. (knts)	
SEC TEMP SN				CLOUD (amt)	
884				WEATHER	
				BOTTOM DEPTH (m)	
				284 m	
				MAX DEPTH = 290 m	
POS. TRIP DEPTH		CTD CON. RTED MONITOR VALUES		REMARKS	
		<input checked="" type="checkbox"/> Dissolved Oxygen 430904 <input checked="" type="checkbox"/> Dissolved Oxygen 430910 <input type="checkbox"/> Cleaned air bleed valve		Data collection restarted. file w/ CTD at surface exists in SCS data. ES60 gave depths between 301.5 and 314.6 when CTD was at bottom. ES60 active - most consistent depths.	
1 Bottom		PRESSURE		SAL. 70	
2		PRI. TEMP.		MORDY's NUTR.	
3		SEC. TEMP.		CHL.	
4		PRI. SALINITY		WHIT'S NUTR.	
5		SEC. SALINITY			
6		SALINITY			
7		SAMP. BOTTLE DATA		SAMP. BOTTLE NUMBER	
8					
9					
10					
11					
12					

This 1st cast on "L" was expected to be deep. PAR and WETSTAR removed in afternoon of 22 Feb.

VESSEL NOAA R/V MILLER FREEMAN		PROJECT & LEG MF-07-02				STATION DESIGNATION CTD "A"																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=054		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
0235324.30N		16851.00W		23 FEB 07		1514		1.9		-0.6		18		32524												954					
CTD		TYPE & SN 9+ S/N 91220A		TIMES		DATA ON		JD/TIME		Tape/Diskette ID		File Name/Header		DATA LOCATION		REMARKS															
PRESS SN 80020		START DOWN		1452		1453				MF-07-02		CTD 023																			
PRI COND SN 915		AT DEPTH		1514																											
PRI TEMP SN 710		AT SURFACE																													
SEC COND SN 304																															
SEC TEMP SN 884																															
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		Bottom																		66											
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

CTD CONVERTED MONITOR VALUES

Dissolved Oxygen 430904

Dissolved Oxygen 430910

Cleaned air bleed valve

MAX. DEPTH = 947 m

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-02				STATION DESIGNATION CTD 1523																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD =		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE		VISIBILITY		WIND DIRN. (deg)		WIND SPD. (knts)		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
0216		53 46.80 N		169 15.62 W		23 FEB 07		2150		27.2		-1.4		2457		356		228		228		1530									
CTD		TYPE & SN		DATA ON		JD/TIME		DATA LOCATION		REMARKS																					
		9+ S/N 91220A		2117		2118		Tape/Diskette ID		File Name/Header																					
		PRESS SN 80020		START DOWN		2150		MF-07-02		CTD 026																					
		PRI COND SN 915		AT DEPTH																											
		PRI TEMP SN 710		AT SURFACE																											
		SEC COND SN 304																													
		SEC TEMP SN 884																													
POS. TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL. SAL.		MORDY'S NUTR.		CHL.		WHIT'S NUTR.											
1		BetTok												63																	
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

MOA Snap-005 time of 215104 Min seconds of CTD reaching bottom.

MAX. DEPTH = 1523 m

Dissolved Oxygen 430904
 Dissolved Oxygen 430910
 Cleaned air bleed valve
 CTD CONVERTED MONITOR VALUES

~~NO~~ ~~NO~~

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-02				STATION DESIGNATION <i>Deep L Line</i>																							
CONC CAST #		LATITUDE DEG MIN		LONGITUDE DEG MIN		DATE JD= DAY MO YR		TIME (GMT) HR MIN		DRY BULB (°C)		WET BULB (°C)		PRESSURE SEA STATE VISIBILITY		WIND DIRN. (deg)		WIND SPD. (knts)		CLOUD (amt) TYPE		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID			
02754		01.73 N		16933.11 W		24 FEB 07		0108		1.4		11.6		2857358247		358247		11796											
CTD		TYPE & SN 9+ S/N 91220A		TIMES DATA ON		JD/TIME		Tape/Diskette ID MF-07-02		DATA LOCATION File Name/Header CTD 027		REMARKS		MAX. DEPTH = 1787 m															
PRESS SN 80020		START DOWN		0028		0029																							
PRI COND SN 915		AT DEPTH		0108																									
PRI TEMP SN 710		AT SURFACE																											
SEC COND SN 304																													
SEC TEMP SN 884																													
POS.		TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAMP. BOTTLE DATA		SAMP. BOTTLE NUMBER		CLEANED AIR BLEED VALVE		MORDY'S NUTR.		CHL.		WHIT'S NUTR.			
1		821m																		<input checked="" type="checkbox"/>									
2																				<input type="checkbox"/>									
3																				<input type="checkbox"/>									
4																				<input type="checkbox"/>									
5																				<input type="checkbox"/>									
6																				<input type="checkbox"/>									
7																				<input type="checkbox"/>									
8																				<input type="checkbox"/>									
9																				<input type="checkbox"/>									
10																				<input type="checkbox"/>									
11																				<input type="checkbox"/>									
12																				<input type="checkbox"/>									

CTD CONVERTED MONITOR VALUES

Dissolved Oxygen 430904

Dissolved Oxygen 430910

Cleaned air bleed valve

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-02				STATION DESIGNATION Deep L																	
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (knts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID			
28		5420.08 N		16949.48 W		24 FEB 07		0436		11.9	-0.8	315	8	3	20	22	4	11	1854				
CTD		TYPE & SN 9+ S/N 91220A		TIMES DATA ON		JD/TIME		Tape/Diskette ID		DATA LOCATION		File Name/Header		REMARKS		MAX. DEPTH = 1801 m							
PRESS SN		80020		START DOWN		0355		MF-07-02		CTD 028													
PRI COND SN		915		AT DEPTH		0436																	
PRI TEMP SN		710		AT SURFACE																			
SEC COND SN		304																					
SEC TEMP SN		884																					
POS. TRIP DEPTH		1 Bottom		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY's NUTR.		CHL. NUTR.		WHIT's NUTR.	
2																76							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

CTD CONVERTED MONITOR VALUES

Dissolved Oxygen 430904

Dissolved Oxygen 430910

Cleaned air bleed valve

SAMPLE BOTTLE DATA

SAMPLE BOTTLE NUMBER

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-02		STATION DESIGNATION " " " "	
CONSC CAST #		LATITUDE		LONGITUDE	
029	54 40.03N	169 11.92W	DATE JD= 055	TIME (GMT)	DRY BULB (°C)
DEG MIN	DEG MIN	DAY MO YR	HR MIN	WET BULB (°C)	PRESSURE (mb)
		24 FEB 07	0856	1.0-0.7	35
CTD		TIMES		DATA LOCATION	
TYPE & SN	9+ SN 91220A	DATA ON	JD/TIME	Tape/Diskette ID	File Name/Header
PRESS SN	80020	START DOWN	0816	MF-07-02	CTD 029
PRI COND SN	915	AT DEPTH	0856		
PRI TEMP SN	710	AT SURFACE			
SEC COND SN	304				
SEC TEMP SN	884				
POS.	TRIP	Dissolved Oxygen 430904		Dissolved Oxygen 430910	
DEPTH		Dissolved Oxygen 430904		Dissolved Oxygen 430910	
		CTD CONVERTED MONITOR VALUES		CLEANED AIR BLEED VALVE	
1	bottom	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY
2					SEC. SALINITY
3					SALINITY
4					SAL.
5					MORDY's
6					NUTR.
7					CHL.
8					WHIT's
9					NUTR.
10					
11					
12					

MAX. DEPTH = 1637 m

1636

REMARKS

CLOUD (amt) *
TYPE *
WEATHER *
BOTTOM DEPTH (m) 1638

STATION DESIGNATION " " " "

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-02				STATION DESIGNATION CTD "V"																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=055		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE		VISIBILITY		WIND DIRN. (deg)		WIND SPD. (knts)		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
031		5507.12 N		16829.05 W		24 FEB 07		1502		00.8		-0.2		337						312		16						1706			
CTD		TYPE & SN		DATA ON		START DOWN		AT DEPTH		AT SURFACE		Tape/Diskette ID		File Name/Header		REMARKS															
		9+ S/N 91220A		1425		1427		1502		MF-07-02		CTD 031																			
PRESS SN		80020																													
PRI COND SN		915																													
PRI TEMP SN		710																													
SEC COND SN		304																													
SEC TEMP SN		884																													
POS.		TRIP		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY'S NUTR.		CHL.		WHIT'S NUTR.									
DEPTH		Bottom														42															
1		2		3		4		5		6		7		8		9		10		11		12									

CTD CONVERTED MONITOR VALUES

Disolved Oxygen 430904

Disolved Oxygen 430910

Cleaned air bleed valve

MAX. DEPTH = 1698 m

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-02				STATION DESIGNATION									
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD=055 DAY MO YR	TIME (GMT) HR MIN	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (knts)	CLOUD (amt) *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
033	55 22.16 N	168 11.27 W	24 FEB 07	18 57	11.6	10.8	38			295	19			516	
CTD		TIMES		JD/TIME		DATA LOCATION				REMARKS					
TYPE & SN		DATA ON		1842		Tape/Diskette ID				File Name/Header					
PRESS SN		START DOWN		1843		MF-07-02				CTD					
PRI COND SN		AT DEPTH		1857											
PRI TEMP SN		AT SURFACE													
SEC COND SN										MAX DEPTH = 512 m					
SEC TEMP SN															
POS.	TRIP DEPTH	PRESSURE		PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER		Cleaned air bleed valve			
	1	Beffon								48		MORDY's NUTR.		CHL	WHIT's NUTR.
	2														
	3														
	4														
	5														
	6														
	7														
	8														
	9														
	10														
	11														
	12														

CTD CONVERTED MONITOR VALUES

Dissolved Oxygen 430904

Dissolved Oxygen 430910

Cleaned air bleed valve

VESSEL		PROJECT & LEG										STATION DESIGNATION									
NOAA RV MILLER FREEMAN		MF-07-02										CTD 035									
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
035	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(knts)	*	(m)				
553		3.3	74	2.3	16	7	24	22	27	2.3	0.0	37.4	82	70	21	7	136				
CTD		TIMES		JD/TIME		DATA LOCATION												REMARKS			
TYPE & SN		9+ S/N 91220A		DATA ON		2222		Tape/Diskette ID										File Name/Header			
PRESS SN		80020		START DOWN		2223		MF-07-02										CTD 035			
PRI COND SN		915		AT DEPTH		2227															
PRI TEMP SN		710		AT SURFACE																	
SEC COND SN		304																MAX. DEPTH = 130 m			
SEC TEMP SN		884																			
POS.		TRIP DEPTH		CTD CONVERTED MONITOR VALUES																	
				<input checked="" type="checkbox"/> PAR 4690		<input checked="" type="checkbox"/> WETSTAR 1036P		<input checked="" type="checkbox"/> Dissolved Oxygen 430904		<input checked="" type="checkbox"/> Dissolved Oxygen 430910		<input type="checkbox"/> Cleaned air bleed valve									
		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY'S NUTR.		CHL.		WHITT'S NUTR.	
1		8.4 T _{min}												71							
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

F/uvrs back on skin coat

VESSEL		PROJECT & LEG										STATION DESIGNATION					
NOAA R/V MILLER FREEMAN		MF-07-02															
CONSC	LATITUDE	LONGITUDE		DATE JD=			TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	WIND DIRN.	WIND SPD.	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
CAST #	DEG MIN	DEG MIN	DAY MO YR	HR MIN	(°C)	(°C)	(mb)	*	*	(deg)	(knts)	*	*	*	(m)		
0375550	88.1 N	16654.39 W	25 FEB 07	0155	2.9	1.0	3548	275	237	1	133						
CTD	TIMES		JD/TIME		DATA LOCATION												
TYPE & SN	DATA ON		0150		Tape/Diskette ID MF-07-02												
PRESS SN	START DOWN		0151		File Name/Header CTD037												
PRI COND SN	AT DEPTH		0155														
PRI TEMP SN	AT SURFACE																
SEC COND SN	304																
SEC TEMP SN	884																
TRIP DEPTH		<input checked="" type="checkbox"/> PAR 4690 <input checked="" type="checkbox"/> WESTAR 1036P <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		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	Bottom									14							
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	

REMARKS
Deep to surf.

MAX. DEPTH = 129 m

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-02				STATION DESIGNATION								
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN		DATE JD= DAY MO YR		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE SEA STATE VISIBILITY	WIND DIRN. (deg)	WIND SPD. (knts)	CLOUD (amt) TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
038	55 59.28 N	166 30.48 W		25 FEB 07		0341	3.0	1.8	3457285	24	8	5	12.6	
CTD	TYPE & SN 9+ S/N 91220A		TIMES DATA ON		JD/TIME		DATA LOCATION Tape/Diskette ID MF-07-02				File Name/Header CTD 038		REMARKS	
	PRESS SN 80020		START DOWN											
	PRI COND SN 915		AT DEPTH											
	PRI TEMP SN 710		AT SURFACE											
	SEC COND SN 304													
	SEC TEMP SN 884													
			CTD 038 not written to SCS data. ?											
			<input checked="" type="checkbox"/> PAR 4690 <input checked="" type="checkbox"/> WETSTAR 1036P <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	Bottom								03				
	2													
	3													
	4													
	5													
	6													
	7													
	8													
	9													
	10													
	11													
	12													

MAX. DEPTH = 12.6 m

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-02				STATION DESIGNATION CTD WAVE									
CONSC CAST #	LATITUDE	LONGITUDE	DATE	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (knts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
041	5625.48 N	161018.20 W	0516107	0928	2.8	1.2	35			300	16			8.9	
CTD	TIMES		JD/TIME	DATA LOCATION											
TYPE & SN	9+ S/N 91220A		DATA ON	Tape/Diskette ID MF-07-02 File Name/Header CTD041											
PRESS SN	80020		START DOWN	0925											
PRI COND SN	915		AT DEPTH	0928											
PRI TEMP SN	710		AT SURFACE												
SEC COND SN	304														
SEC TEMP SN	884														
POS.	TRIP DEPTH	<input checked="" type="checkbox"/> PAR 4690 <input checked="" type="checkbox"/> WETSTAR 1036P <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													
	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	Bottom								20						
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															

MAX. DEPTH = 38 m

34 m

VESSEL		PROJECT & LEG										STATION DESIGNATION						
NOAA RV MILLER FREEMAN		MF-07-02																
CONSC CAST #	LATITUDE	LONGITUDE		DATE		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (knts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
0422	51.33.87 N	164	54.11 W	25	07	11:00	2.4	1.0	34				285	20			77	
CTD	TIMES		JD/TIME		DATA LOCATION													
TYPE & SN	9+ S/N 91220A	DATA ON	1057		Tape/Diskette ID File Name/Header													
PRESS SN	80020	START DOWN	1058		MF-07-02 CTD 042													
PRI COND SN	915	AT DEPTH	1140															
PRI TEMP SN	710	AT SURFACE																
SEC COND SN	304																	
SEC TEMP SN	884																	
POS.	TRIP DEPTH	<input checked="" type="checkbox"/> PAR 4690 <input checked="" type="checkbox"/> METSTAR 1036P <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																
		PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAL.	MORDY's NUTR.	CHL.	WHIT'S NUTR.							
1	Bottom							04										
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

MAX. DEPTH = 71 m

67 2016

VESSEL		PROJECT & LEG										STATION DESIGNATION						
NOAA RV MILLER FREEMAN		MF-07-02																
CONSC CAST #	LATITUDE	LONGITUDE		DATE JD=056			TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (knts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG MIN	DEG MIN	DAY MO YR	HR MIN														
0435642	164.32N	164.30.55W		21 FEB 07			1230	2.0	0.8	35			290	20			75	
CTD	TIMES		JD/TIME		DATA LOCATION													
TYPE & SN	DATA ON		1227		Tape/Diskette ID File Name/Header													
PRESS SN	START DOWN		1228		MF-07-02 CTD 043													
PRI COND SN	AT DEPTH		1230															
PRI TEMP SN	AT SURFACE																	
SEC COND SN	304																	
SEC TEMP SN	884																	
		<input checked="" type="checkbox"/> PAR 4690		<input checked="" type="checkbox"/> WETSTAR 1036P		<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	Bottom									19								
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

MAX. DEPTH = 68 m

64 solo

VESSEL NOAA R/V MILLER FREEMAN		PROJECT & LEG MF-07-02				STATION DESIGNATION CTD "L"																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=0516 DAY MO YR		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE		VISIBILITY		WIND DIRN. (deg)		WIND SPD. (knts)		CLOUD (amt)		TYPE WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
445651.56N		161401.20W		1415		16 05 10		14 18		1.8		9.8		34		290		22								32					
CTD		TYPE & SN 9+ S/N 91220A		DATA ON		JD/TIME		Tape/Diskette ID		File Name/Header		DATA LOCATION		REMARKS		MAX. DEPTH = 15 m															
PRESS SN 80020		START DOWN		1416				MF-07-02		CTD 044				62.10																	
PRI COND SN 915		AT DEPTH		1918																											
PRI TEMP SN 710		AT SURFACE																													
SEC COND SN 304																															
SEC TEMP SN 884																															
POS. TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY'S NUTR.		CHL.		WHIT'S NUTR.											
1 Bottom														11																	
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

PAR 4690
 METSTAR 1036P
 Dissolved Oxygen 430904
 Dissolved Oxygen 430910
 Cleaned air bleed valve
 CTD CONVERTED MONITOR VALUES

62.10

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-02				STATION DESIGNATION 1																							
CONSC CAST #		LATITUDE DEG MIN		LONGITUDE DEG MIN		DATE JD= DAY MO YR		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE VISIBILITY		WIND DIRN. (deg)		WIND SPD. (knts)		CLOUD (amt) TYPE		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
047		54.20.42 N		165.25.24 W		26 FEB 07		0546		3.2		1.1		3738		0530		168		2		149							
CTD		TYPE & SN 9+ S/N 91220A		TIMES DATA ON		JD/TIME 0541		Tape/Diskette ID MF-07-02		File Name/Header CTD 047		DATA LOCATION		REMARKS 1st CTD of the original Pico Box		MAX. DEPTH = 143 m													
PRESS SN 80020		START DOWN 0541		AT DEPTH 0546																									
PRI COND SN 915		AT SURFACE																											
PRI TEMP SN 710																													
SEC COND SN 304																													
SEC TEMP SN 884																													
POS.		TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY's NUTR.		CHL.		WHIT's NUTR.							
1		Bottom		143.5												3B													
2		8.77 m																											
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

Two bottles fixed at bottom
Sal from second bottle

CTD CONVERTED MONITOR VALUES

PAR 4690
 WETSTAR 1036P
 Dissolved Oxygen 430904
 Dissolved Oxygen 430910

Cleaned air bleed valve

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-02				STATION DESIGNATION <i>W3006</i>																									
CONSC CAST #		LATITUDE DEG MIN		LONGITUDE DEG MIN		DATE JD= 053 DAY MO YR		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE		VISIBILITY		WIND DIRN. (deg)		WIND SPD. (knts)		CLOUD (amt) TYPE		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
051		54 43.50 N		164 46.65 W		26 FEB 07		1046		4.0		2.1		1027						64		1						4.8			
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		1042		MF-07-02		CTD 051				46 m																	
		PRI COND SN 915		AT DEPTH		104552								MAX. DEPTH = 46 m																	
		PRI TEMP SN 710		AT SURFACE																											
		SEC COND SN 304																													
		SEC TEMP SN 884																													
POS. TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY'S NUTR.		CHL.		WHIT'S NUTR.											
1 <i>Bottom</i>														66																	
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

NOA Snap time of 104601 w/in seconds.

CTD CONVERTED MONITOR VALUES

PAR 4690
 WETSTAR 1036P
 Dissolved Oxygen 430904
 Dissolved Oxygen 430910
 Cleaned air bleed valve

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-02				STATION DESIGNATION 052																									
CONSC CAST #		LATITUDE DEG MIN		LONGITUDE DEG MIN		DATE JD=0524 DAY MO YR		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE		VISIBILITY		WIND DIRN. (deg)		WIND SPD. (knts)		CLOUD (amt) TYPE		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
052		51.49.37N		164.53.03W		26 FEB 07		1136		8.2		21.8		26				098		10								34			
CTD		TYPE & SN 9+ S/N 91220A		TIMES DATA ON		JD/TIME		Tape/Diskette ID		File Name/Header		DATA LOCATION		REMARKS		MAX. DEPTH = 69 m															
PRESS SN 80020		START DOWN		1134				MF-07-02		CTD 052				66.06																	
PRI COND SN 915		AT DEPTH		1136																											
PRI TEMP SN 710		AT SURFACE																													
SEC COND SN 304																															
SEC TEMP SN 884																															

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-02				STATION DESIGNATION																									
CONSC CAST #		LATITUDE DEG MIN		LONGITUDE DEG MIN		DATE JD=053 DAY MO YR		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE *		VISIBILITY *		WIND DIRN. (deg)		WIND SPD. (knts)		CLOUD (amt) TYPE		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
0.535455		93.1 N		164 59.25 W		26 FEB 07		1230		2.8		1.8		36						64		11						9.1			
CTD		TYPE & SN 9+ S/N 91220A		DATA ON		JD/TIME 1227		Tape/Diskette ID MF-07-02		File Name/Header CTD053		DATA LOCATION		REMARKS		MAX. DEPTH = 83 m															
PRESS SN 80020		START DOWN		1228																											
PRI COND SN 915		AT DEPTH		1230																											
PRI TEMP SN 710		AT SURFACE																													
SEC COND SN 304																															
SEC TEMP SN 884																															
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 Bottom																		60													
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

PAR 4690
 WETSTAR 1036P
 Dissolved Oxygen
 Dissolved Oxygen
 CTD CONVERTED MONITOR VALUES
 430904
 430910
 Cleaned air bleed valve

810/0

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-02				STATION DESIGNATION																									
CONSC CAST #		LATITUDE DEG MIN		LONGITUDE DEG MIN		DATE JD=057 DAY MO YR		TIME (GMT) HR MIN		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE		VISIBILITY		WIND DIRN. (deg)		WIND SPD. (knts)		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
056		54.55.911N		165.28.519W		06.FEB.07		1525		2.1		0.4		35						125		11						116			
CTD		TYPE & SN 9+ S/N 91220A		TIMES DATA ON		JD/TIME		1521		DATA LOCATION Tape/Diskette ID MF-07-02 File Name/Header CTD 056												REMARKS 118 2/0 MAX. DEPTH = 120 m									
PRESS SN 80020		START DOWN		1522																											
PRI COND SN 915		AT DEPTH		1525																											
PRI TEMP SN 710		AT SURFACE																													
SEC COND SN 304																															
SEC TEMP SN 884																															
POS. TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAMP. BOTTLE DATA		SAMP. BOTTLE NUMBER		SAL.		MORNY's NUTR.		CHL.		WHIT's NUTR.							
1 Bottom																		23													
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

PAR 4690 WETSTAR 1036P Dissolved Oxygen 430904 Dissolved Oxygen 430910 Cleaned air bleed valve

CTD CONVERTED MONITOR VALUES

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-02				STATION DESIGNATION 133 m																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=053		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE		VISIBILITY		WIND DIRN. (deg)		WIND SPD. (knts)		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
053		54.521.39 N		165.46.04 W		1621		1625		2.11		0.534		130		16				133 m		142									
CTD		TYPE & SN 9+ S/N 91220A		TIMES DATA ON 1621		JD/TIME		Tape/Diskette ID MF-07-02		DATA LOCATION File Name/Header CTD 053		REMARKS 133 m		MAX. DEPTH = 135 m																	
PRESS SN 80020		START DOWN 1622		AT DEPTH 1625																											
PRI COND SN 915		AT SURFACE																													
PRI TEMP SN 710																															
SEC COND SN 304																															
SEC TEMP SN 884																															
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 Bothm																		112													
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

PAR 4690
 WETSTAR 1036P
 Dissolved Oxygen 430904
 Dissolved Oxygen 430910
 Cleaned air bleed valve

CTD CONVERTED MONITOR VALUES

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-02				STATION DESIGNATION Max																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=057		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE		VISIBILITY		WIND DIRN. (deg)		WIND SPD. (knts)		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
058		51.48.162N		116.55.145W		26 FEB 07		17:24		2.15		0.9		33				144		21						166					
CTD		TYPE & SN 9+ S/N 91220A		TIMES DATA ON		JD/TIME		Tape/Diskette ID		File Name/Header		DATA LOCATION		REMARKS																	
		PRESS SN 80020		START DOWN		1718		MF-07-02		CTD 058				156 06																	
		PRI COND SN 915		AT DEPTH		1724								MAX. DEPTH = 159 m																	
		PRI TEMP SN 710		AT SURFACE																											
		SEC COND SN 304																													
		SEC TEMP SN 884																													
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		Bottom																		31											
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

CTD CONVERTED MONITOR VALUES

PAR 4690

WETSTAR 1036P

Dissolved Oxygen 430904

Dissolved Oxygen 430910

Cleaned air bleed valve

VESSEL		PROJECT & LEG										STATION DESIGNATION										
NOAA RV MILLER FREEMAN		MF-07-02																				
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=053			TIME (GMT)		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(knts)	*	*	*	(m)		
060	54.4	11.1	166	14.2	16	06	07	19	35	2.9	11.1	31			131	20				290		
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS														
TYPE & SN		9+ S/N 91220A		DATA ON		1925		Tape/Diskette ID		File Name/Header												
PRESS SN		80020		START DOWN		1925		MF-07-02		CTD 060												
PRI COND SN		915		AT DEPTH		1935																
PRI TEMP SN		710		AT SURFACE																		
SEC COND SN		304																				
SEC TEMP SN		884																				
		<input checked="" type="checkbox"/> PAR 4690		<input checked="" type="checkbox"/> WETSTAR 1036P		<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	Bottom									01												
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

MAX. DEPTH = 282 m

278 w/o

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-02				STATION DESIGNATION <i>Wormhole B&K</i>															
CONSC CAST #		LATTITUDE		LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN. (deg)	WIND SPD. (knts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID		
0625428.41 N		16602.59 W		2154		2154		2154	2.8	1.2	29.48	115	278	2	535						
CTD		TYPE & SN 9+ S/N 91220A		TIMES DATA ON 2143		JD/TIME		DATA LOCATION Tape/Diskette ID MF-07-02		File Name/Header CTD 062		REMARKS		MAX. DEPTH = 533 m							
PRESS SN 80020		START DOWN		2143																	
PRI COND SN 915		AT DEPTH		2154																	
PRI TEMP SN 710		AT SURFACE																			
SEC COND SN 304																					
SEC TEMP SN 884																					
POS. TRIP DEPTH		PRESSURE		PRI TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY's NUTR.		CHL.		WHIT's NUTR.	
1 <i>Bottom</i>		533.1												12							
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

PAR 4690
 WETSTAR 1036P
 Dissolved Oxygen 430904
 Dissolved Oxygen 430910
 CTD CONVERTED MONITOR VALUES

Cleaned air bleed valve

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-02				STATION DESIGNATION <i>Unmade 100</i>									
CONSC CAST #	LATITUDE DEG MIN	LONGITUDE DEG MIN	DATE JD= DAY MO YR	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE *	VISIBILITY *	WIND DIRN. (deg)	WIND SPD. (knts)	CLOUD (amt) TYPE *	WEATHER *	BOTTOM DEPTH (m)	STA. NAME/ID
0635421	52.1	16555	26 FEB 07	2318	2.1	1.4	284	8	1	40267	1	1	467		
CTD	TIMES		JD/TIME	DATA LOCATION											
TYPE & SN	DATA ON		2305	Tape/Diskette ID File Name/Header											
PRESS SN	START DOWN		2306	MF-07-02 CTD 063											
PRI COND SN	AT DEPTH		2318												
PRI TEMP SN	AT SURFACE														
SEC COND SN															
SEC TEMP SN															
<input checked="" type="checkbox"/> PAR 4690 <input checked="" type="checkbox"/> WETSTAR 1036P <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	<i>Bottom</i>	4602								28					
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															

MAX. DEPTH = 461 m

