

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-06				STATION DESIGNATION <i>Unimak Box</i>									
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD= 111	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
003	54 25 . 95 N	165 08 . 9 W	21 APR 07	02 21	1.8	0.0	999			17	29			13	C
CTD	TYPE & SN 9+ S/N 91220A	DATA ON	TIMES	JD/TIME	DATA LOCATION				REMARKS						
	PRESS SN 80020	START DOWN			Tape/Diskette ID MF-07-06				File Name/Header CTD 003						
	PRI COND SN 915	AT DEPTH													
	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 type="checkbox"/> 1° Dissolved Oxygen 430904												
			<input checked="" type="checkbox"/> 2° Dissolved Oxygen 430910												
			<input type="checkbox"/> Cleaned air bleed valve												
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA				SAMPLE BOTTLE NUMBER					
		PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY		SAL.	MORDY's NUTR.	CHL.	WHIT's NUTR.			
1	122								65						
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															

VESSEL NOAA R/V MILLER FREEMAN		PROJECT & LEG MF-07-06				STATION DESIGNATION																									
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)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
012		548.63 N		16551.96 W		21 APR 07		1311		2.5		1.5		0.7						066		18						164			
CTD		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS																			
TYPE & SN		9+ S/N 91220A		DATA ON				MF-07-06		CTD																					
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																													
POS.		TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY's NUTR.		CHL.		WHIT's NUTR.									
1		156														64															
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

PAR 4690
 WETSTAR 1036P
 1° Dissolved Oxygen 430904
 2° Dissolved Oxygen 430910
 Cleaned air bleed valve

CTD CONVERTED MONITOR VALUES CTD DATA SAMPLE BOTTLE NUMBER

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-06				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.		WIND SPD. (knts)		CLOUD (amt) TYPE		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID			
0185441.45N		16738.53W		21 APR 07		0040		4.2		2.888				04021												826		018			
CTD		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS																			
TYPE & SN 9+ S/N 91220A		DATA ON						MF-07-06		CTD 018		WESTAR removed prior to cast 834																			
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																															
POS.		TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY'S NUTR.		CHL.		WHIT'S NUTR.									
1		816																													
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

PAR 4690
 WESTAR 1036P
 1° Dissolved Oxygen 430904
 2° 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-07-06		STATION DESIGNATION																													
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD= 112		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			
019		5431.41N		16727.51W		22 APR 07		023617.8		4.086		4.086		72.23						72.23								642		019			
CTD		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS																					
TYPE & SN		9+ SN 91220A		DATA ON		02:18:14		MF-07-06		CTD 0019		MAX. DEPTH = 633 m																					
PRESS SN		80020		START DOWN		02:18:51																											
PRI COND SN		915		AT DEPTH		02:36:15																											
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		633		641										51																			
2																																	
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

PAR 4690
 WETSTAR 1036P
 1° Dissolved Oxygen 430904
 2° 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-07-06		STATION DESIGNATION	
CONSC CAST #		LATITUDE		LONGITUDE	
DEG MIN		DEG MIN		DEG MIN	
020 54 2 4 3 N		167 18.2 W		21 22 21 07	
DATE JD= 112		TIME (GMT)		DRY BULB (°C)	
DAY MO YR		HR MIN		WET BULB (°C)	
07 07 07		04 18		3.6	
PRESSURE		SEA STATE		VISIBILITY	
020		*		*	
WIND DIRN. (deg)		WIND SPD. (knts)		CLOUD (amt)	
49		24		*	
WIND DIRN. (deg)		WIND SPD. (knts)		WEATHER	
49		24		*	
CTD		TIMES		REMARKS	
TYPE & SN		DATA ON		JD/TIME	
9+ S/N 91220A		START DOWN		03:57:58	
PRESS SN		AT DEPTH		03:58:22	
80020		AT SURFACE		04:17:55	
PRI COND SN		SEC COND SN		Tape/Diskette ID	
915		304		MF-07-06	
PRI TEMP SN		SEC TEMP SN		File Name/Header	
710		884		CTD 020	
SEC COND SN		SEC TEMP SN		MAX. DEPTH =	
304		884		768 m	
SEC TEMP SN		PAR 4690		WETSTAR 1036P	
884		<input checked="" type="checkbox"/>		<input type="checkbox"/>	
POS.		TRIP		CTD CONVERTED MONITOR VALUES	
DEPTH		PRESSURE		SALINITY	
768		776		108	
1		PRI. TEMP.		SEC. TEMP.	
2		PRI. SALINITY		SEC. SALINITY	
3		SALINITY		SAL.	
4		SAMP. BOTTLE DATA		MORDY'S NUTR.	
5		SAMP. BOTTLE NUMBER		CHL.	
6		CLEANED AIR BLEED VALVE		WHIT'S NUTR.	
7					
8					
9					
10					
11					
12					

VESSEL NOAA R/V MILLER FREEMAN		PROJECT & LEG MF-07-06		STATION DESIGNATION																											
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD= 112		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	
0215408.89N		16719.20W		22 APR 07		0629		2.1		1.794		4518		1514		021															
CTD		TIMES		JD/TIME		DATA LOCATION										REMARKS															
TYPE & SN 9+ S/N 91220A		DATA ON		05:52:19		Tape/Diskette ID MF-07-06										File Name/Header CTD 021															
PRESS SN 80020		START DOWN		05:52:59																											
PRI COND SN 915		AT DEPTH		06:28:30																											
PRI TEMP SN 710		AT SURFACE																													
SEC COND SN 304																															
SEC TEMP SN 884																															
		<input checked="" type="checkbox"/> PAR 4690		<input checked="" type="checkbox"/> METSTAR 1036P		<input type="checkbox"/> 1° Dissolved Oxygen 430904		<input checked="" type="checkbox"/> 2° 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	1503	1523								28																					
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

MAX. DEPTH = 1503 m

VESSEL NOAA R/V MILLER FREEMAN		PROJECT & LEG MF-07-06				STATION DESIGNATION																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD= 112		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	
0225464		N		16704		W 22 APR 07		0808						87						04117								1010			
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS																							
TYPE & SN 9+ S/N 91220A		DATA ON				Tape/Diskette ID MF-07-06		File Name/Header CTD																							
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																															
POS.		TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY'S NUTR.		CHL.		WHIT'S NUTR.									
1		996		1008.5												52															
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 CTD DATA SAMPLE BOTTLE NUMBER

996 wire out

MAX. DEPTH = m

VESSEL		PROJECT & LEG										STATION DESIGNATION						
NOAA R/V MILLER FREEMAN		MF-07-06										CTD						
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
0275336	09 N	169	03 W	81	22	21	07	21	30	3.0	2.0	88	33	52	10		1810	
CTD	TIMES		JD/TIME		DATA LOCATION													
TYPE & SN	9+ S/N 91220A		DATA ON		Tape/Diskette ID MF-07-06 File Name/Header CTD027													
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																	
POS. TRIP DEPTH		<input checked="" type="checkbox"/> PAR 4690 <input checked="" type="checkbox"/> NONE <input checked="" type="checkbox"/> WETSTAR 1036P <input type="checkbox"/> 1° Dissolved Oxygen 430904 <input checked="" type="checkbox"/> 2° Dissolved Oxygen 430910 <input type="checkbox"/> Cleaned air bleed valve																
CTD CONVERTED MONITOR VALUES																		
	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	1782								49									
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
REMARKS																		
STEER SLOPE!																		
Towed off deck with ~1000 m cast support																		
MAX. DEPTH = 1782 m																		

VESSEL NOAA R/V MILLER FREEMAN		PROJECT & LEG MF-07-06				STATION DESIGNATION C-8 "Y"																							
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	
0285346.91 N		16915.90 W		23 APR 07		0000		3.8		2.789		0.4123														1532			
CTD		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS																	
TYPE & SN 9+ S/N 91220A		DATA ON						MF-07-06		CTD 028																			
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																													
POS.		TRIP DEPTH																											
1		1524																											
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

MAX. DEPTH = 1524 m

37

37

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-06				STATION DESIGNATION																									
CONSC CAST #		LATITUDE DEG MIN		LONGITUDE DEG MIN		DATE JD= 113 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	
089		5461.61N		16933.64W		23 APR 07		0318		3.0		2.289						340		19						1792					
CTD		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS																			
TYPE & SN 9+ S/N 91220A		DATA ON		02:37:30		MF-07-06		CTD 029																							
PRESS SN 80020		START DOWN		02:38:10																											
PRI COND SN 915		AT DEPTH		03:18:00																											
PRI TEMP SN 710		AT SURFACE																													
SEC COND SN 304																															
SEC TEMP SN 884																															
POS.		TRIP DEPTH		NONE		NONE		NONE																							
		PRESSURE		1812																											
1		1788																													
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

MAX. DEPTH = 1788 m

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-06				STATION DESIGNATION																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD= 113		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	
0305419.99 N		16949.71 W		23 APR 07		0644		2.1		1.3		90		340		18										1855		030			
CTD		TIMES		JD/TIME		DATA LOCATION		REMARKS																							
TYPE & SN 9+ S/N 91220A		DATA ON				Tape/Diskette ID MF-07-06		File Name/Header CTD 030																							
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																															
POS. TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY'S NUTR.		CHL.		WHIT'S NUTR.											
1 1846		1871																													
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

None
None

CTD CONVERTED MONITOR VALUES

PAR 4690- WET STAR 1036P 1° Dissolved Oxygen 430904 2° Dissolved Oxygen 430910

Cleaned air bleed valve

MAX. DEPTH = 1846 m

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-06		STATION DESIGNATION 1000 m	
CONSC CAST #		LATITUDE		LONGITUDE	
034		5522.02N		16814.21W	
DEG MIN		DEG MIN		DATE JD=	
				23 APR 07	
CTD		TIMES		TIME (GMT)	
TYPE & SN 9+ S/N 91220A		DATA ON		1911	
PRESS SN 80020		START DOWN		DRY BULB (°C)	
PRI COND SN 915		AT DEPTH		1.8	
PRI TEMP SN 710		AT SURFACE		WET BULB (°C)	
SEC COND SN 304				PRESSURE (mb)	
SEC TEMP SN 884				SEA STATE	
				VISIBILITY	
				WIND DIRN. (deg)	
				WIND SPD. (knts)	
				CLOUD (amt)	
				WEATHER	
				BOTTOM DEPTH (m)	
				STATION NAME/ID	
				REMARKS	
				Tape/Diskette ID MF-07-06	
				File Name/Header CTD 034	
				MAX. DEPTH = 979 m	
POS. TRIP DEPTH		PRESSURE		SALINITY	
1 979		788		30	
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

PAR 4690 WETSTAR 1036P 1" Dissolved Oxygen 430904 2" 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-07-06				STATION DESIGNATION 200 m Cast									
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
0365526.14 N	16804.28 W	23 APR 07	2117	2.0	1.3910	35018	199								
CTD	TIMES		JD/TIME		DATA LOCATION										
TYPE & SN	9+ S/N 91220A		DATA ON		Tape/Diskette ID		File Name/Header								
PRESS SN	80020		START DOWN		MF-07-06		CTD								
PRI COND SN	915		AT DEPTH												
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 type="checkbox"/> 1° Dissolved Oxygen 430904 <input checked="" type="checkbox"/> 2° Dissolved Oxygen 430910			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.	<input type="checkbox"/> Cleaned air bleed valve SAMPLE BOTTLE NUMBER		
1	194							31							
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															

MAX. DEPTH = 194 m
193 m (10)

Wetstar attached
press to end

VESSEL: NOAA RV MILLER FREEMAN
 PROJECT & LEG: MF-07-06
 STATION DESIGNATION:

CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=114		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
038	55	41.76	167	18.24	W	24	14	10	10	1.5	1.489	*	005	17	*	*	135	

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

DATA ON: _____
 START DOWN: _____
 AT DEPTH: _____
 AT SURFACE: _____

DATA LOCATION: Tape/Diskette ID MF-07-06, File Name/Header CTD 038

REMARKS: MAX. DEPTH = 131 m

PAR 4690
 WETSTAR 1036P
 1° Dissolved Oxygen 430904
 2° Dissolved Oxygen 430910
 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.
1	131						NOSAMPLE				HANG
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

21
28
31
24
14

VESSEL NOAA R/V MILLER FREEMAN		PROJECT & LEG MF-07-06				STATION DESIGNATION																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD= 114		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN. (deg)		WIND SPD. (knts)		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
0455642.48 N		16430.31 W		24 APR 07		1200		0.8		0.090		311		15																	
CTD		TYPE & SN 9+ S/N 91220A		DATA ON		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS															
PRESS SN 80020		START DOWN								MF-07-06		CTD																			
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		SAMP. BOTTLE DATA		SAMP. BOTTLE NUMBER		SAL.		MORDY's NUTR.		CHL.		WHIT's NUTR.					
1		71																		45											
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

PAR 4690
 WETSTAR 1036P
 1° Dissolved Oxygen 430904
 2° Dissolved Oxygen 430910
 Cleaned air bleed valve

CTD CONVERTED MONITOR VALUES

MAX. DEPTH = m

VESSEL: NOAA RV MILLER FREEMAN PROJECT & LEG: MF-07-06 STATION DESIGNATION: **S149**

CONSC CAST #	LATITUDE		LONGITUDE		DATE JD= 1/5		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			
053	56	52.47	N	164	02.32	W	25	A	P	R	07	04	57					0.7	91	055	10	71	

CTD TYPE & SN: 9+ S/N 91220A DATA ON: _____ JD/TIME: _____
 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
 MAX. DEPTH = _____ m

PAR 4690 WETSTAR 1036P Dissolved Oxygen 430904 Dissolved Oxygen 430910 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 DATA	SAMPLE BOTTLE NUMBER
1													
2	50							77	33				
3	50								34				28800
4	10								35				28100
5	32								36				28300
6	32								37				28100
7	32								38				28300
8	20								39				28300
9	12.5								40				28300
10	11								41				28100
11	11								42				28100
12	11								43				28500

0 / 44

VESSEL: NOAA RV MILLER FREEMAN
 PROJECT & LEG: MF-07-06
 STATION DESIGNATION: BS Site 2

CONSC CAST #	LATITUDE	LONGITUDE	DATE JD= 116	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
0555656	56.60 N	164.03.20 W	26 APR 07	0147	6.1	4.1	93			040	10			73	

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

Tape/Diskette ID: MF-07-06
 File Name/Header: CTD 055

MAX. DEPTH = m

PAR 4690
 WETSTAR 1036P
 1° Dissolved Oxygen 430904
 2° Dissolved Oxygen 430910
 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
------	------------	----------	------------	------------	---------------	---------------	----------	--------------------	----------------------

POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER
1	56							AS	45
2	56								283
3	56								281
4	50								288
5	44								281
6	44								285
7	44								285
8	40								285
9	24								279
10	24								283
11	24								283
12									281

66
 69 d/s
 38
 39
 40
 41
 42
 43
 44
 45
 46
 47
 48

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-06				STATION DESIGNATION																									
CONSC CAST #		LATITUDE DEG MIN		LONGITUDE DEG MIN		DATE JD= 117 DAY MO YR		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		56 30.15N		161 00.46W		27 APR 07		0755		1.2		0.5		01						310		12						68			
CTD		TYPE & SN 9+ SN 91220A		TIMES DATA ON		JD/TIME		DATA LOCATION Tape/Diskette ID MF-07-06		File Name/Header CTD058		REMARKS CTD post Deploy OTCRAB-2C?		MAX. DEPTH =		m															
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																															
POS. TRIP DEPTH		PRESSURE		PRI. TEMP.		SEC. TEMP.		PRI. SALINITY		SEC. SALINITY		SALINITY		SAL.		MORDY'S NUTR.		CHL.		WHIT'S NUTR.											
1 63														19																	
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

PAR 4690
 WETSTAR 1036P
 1st Dissolved Oxygen 430904
 2nd Dissolved Oxygen 430910

CTD CONVERTED MONITOR VALUES
 Cleaned air bleed valve

SAMPLE BOTTLE DATA SAMPLE BOTTLE NUMBER

VESSEL		PROJECT & LEG										STATION DESIGNATION									
NOAA RV MILLER FREEMAN		MF-07-06										R5 Site 4									
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	
059		5750.92 N		16850.82 W		30 APR 07		0657		0.8	-0.201	(mb)	*	*	(deg)	(knts)	*	*	(m)		
CTD		TIMES		JD/TIME		DATA LOCATION															
TYPE & SN		9+ S/N 91220A		DATA ON		Tape/Diskette ID															
PRESS SN		80020		START DOWN		MF-07-06															
PRI COND SN		915		AT DEPTH		CTD 059															
PRI TEMP SN		710		AT SURFACE		MAX. DEPTH = m															
SEC COND SN		304																			
SEC TEMP SN		884																			
POS.		TRIP DEPTH		CTD CONVERTED MONITOR VALUES																	
				<input checked="" type="checkbox"/> PAR 4690 <input checked="" type="checkbox"/> WETSTAR 1036P <input type="checkbox"/> 1° Dissolved Oxygen 430904 <input checked="" type="checkbox"/> 2° 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.		WHIT'S NUTR.	
1		67												05		58		59		283.0	
2		50														57		60		283.0	
3		40														56		61		289.0	
4		30														55		62		285.0	
5		20														63		63		281.0	
6		11														64		64		281.0	
7		11														54		65		283.0	
8		11														53		66		281.0	
9		0																			
10																					
11																					
12																					

REMARKS
 0685-4830685R-48
 CTD goes to recovery

VESSEL: NOAA RV MILLER FREEMAN
 PROJECT & LEG: MF-07-06
 STATION DESIGNATION:

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
064	58°08.87'N	169°55.28'W	01 Aug 2007	10:19	-2.0	-3.0	013			300	8			70	

CTD DATA LOCATION: DATA ON _____
 JDTIME: _____
 TYPE & SN: 9+ SN 91220A
 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
 MAX. DEPTH = _____ m

PAR 4690
 WETSTAR 1036P
 1° Dissolved Oxygen 430904
 2° Dissolved Oxygen 430910
 Cleaned air bleed valve

POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAL.	MORDY'S NUTR.	CHL.	WHIT'S NUTR.
1	50	115	93	93							
2	40		91	91							
3	30		89	89							
4	20		88	88							
5	10		87	87							
6	0										
7											
8											
9											
10											
11											
12											

Bat 1/4
 SOW PDS
 AD

REMARKS: No Fluorescence!

VESSEL: NOAA RV MILLER FREEMAN
 PROJECT & LEG: MF-07-06
 STATION DESIGNATION:

CONSC CAST #	DEG	MIN	LATITUDE	DEG	MIN	LONGITUDE	DATE	JD =	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
655808	17	19	N	169	55	32	W	01	A	P	0	7	10 32	-2.0	-3.0	1013			300	8			70	

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

DATA ON: _____
 START DOWN: _____
 AT DEPTH: _____
 AT SURFACE: _____

DATA LOCATION: _____
 File Name/Header: _____
 CTD: _____

MAX. DEPTH = _____ m

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

POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAL.	MORDY'S NUTR.	CHL.	WHIT'S NUTR.
1	Bot	65 m	K/O TRIP					115	93		
2	50							92			
3	46							91			
4	36							90			
5	20							89			
6	10							88			
7	0							87			
8											
9											
10											
11											
12											

CTD CONVERTED MONITOR VALUES

VESSEL NOAA RV MILLER FREEMAN		PROJECT & LEG MF-07-06				STATION DESIGNATION																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD= 121		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	
625757.71 N		16922.09 W		01 APR 07		1313-11.5		300		7		67																			
CTD		TYPE & SN 9+ S/N 91220A		TIMES		DATA ON		JD/TIME		DATA LOCATION		Tape/Diskette ID MF-07-06		File Name/Header CTD		REMARKS		MAX. DEPTH =		m											
PRESS SN 80020		START DOWN		AT DEPTH		AT SURFACE																									
PRI COND SN 915		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 Bot		103												122		107															
2 50																106															
3 40																105															
4 30																104															
5 20																103															
6 10																102															
7 0																101															
8																															
9																															
10																															
11																															
12																															

PAR 4690
 WETSTAR 1036P
 1° Dissolved Oxygen 430904
 2° 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-07-06				STATION DESIGNATION																									
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	
0685753		88N		16903		54		14 51		-11.8		-0.2		21228		320		09		7						69					
CTD		TYPE & SN 9+ S/N 91220A		TIMES DATA ON		JD/TIME May		Tape/Diskette ID MF-07-06		DATA LOCATION File Name/Header CTD 018		REMARKS		MAX. DEPTH =		m															
PRESS SN 80020		PRI COND SN 915		START DOWN		AT DEPTH																									
SEC COND SN 304		PRI TEMP SN 710		AT SURFACE																											
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		884		64.6										120		114															
2		50		50.5												113															
3		40		40.4												112															
4		30		30.3												111															
5		20		20.3												110															
6		10		9.9												109															
7		0														108															
8																															
9																															
10																															
11																															
12																															

PAR 4690
 WETSTAR 1036P
 1° Dissolved Oxygen 430904
 2° 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-07-06																			
CONSC CAST #	LATITUDE	DEG	MIN	DEG	MIN	DATE	JD=	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	
071	5737.71	N	16849.56	W	01	APR	07	1758-2.2	-1.2	-1.2	212	28	3	35	0.9	8			2	71	
CTD	TYPE & SN	9+ S/N 91220A		DATA ON			JD/TIME	MF-07-06		DATA LOCATION	Tape/Diskette ID		File Name/Header		REMARKS						
	PRESS SN	80020		START DOWN				MF-07-06		CTD	071										
	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.		MORDY'S NUTR.		CHL.		WHIT'S NUTR.	
		66.6												116		135					
		50.4														129					
		40.0														133					
		30.3														132					
		20.0														131					
		10.0														130					
		0														129					

PAR 4690
 WETSTAR 1036P
 1° Dissolved Oxygen 430904
 2° Dissolved Oxygen 430910
 Cleaned air bleed valve

CTD CONVERTED MONITOR VALUES

SAMPLE BOTTLE DATA

SAMPLE BOTTLE NUMBER

MAX. DEPTH = m

VESSEL: NOAA RV MILLER FREEMAN
 PROJECT & LEG: MF-07-06
 STATION DESIGNATION: 70 m 120 fath

CONSC CAST #	DEG	MIN	LATITUDE	DEG	MIN	LONGITUDE	DATE	JD=	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
076	57	30	04 N	167	20	93 W	02	122	07	00	01	10	01:10	10.2	21.1	10			010	0			71	

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

DATA ON: _____
 START DOWN: _____
 AT DEPTH: _____
 AT SURFACE: _____
 DATA LOCATION: _____
 Tape/Diskette ID: MF-07-06
 File Name/Header: CTD 076
 MAX. DEPTH = m

PAR 4690
 WETSTAR 1036P
 1° Dissolved Oxygen 430904
 2° Dissolved Oxygen 430910
 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	8.7168												
2	50									53	139		
3	40										167		
4	30										168		
5	20										165		
6	10										164		
7	0												
8													
9													
10													
11													
12													

31
29
31
30
2

VESEL: NOAA RV MILLER FREEMAN PROJECT & LEG: MF-07-06 STATION DESIGNATION:

CONSC CAST #	DEG	MIN	LATITUDE	DEG	MIN	LONGITUDE	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
0718731	31	39	N	167	02	63	07	107	02	07	07	01	20	20-11.2	-11.8	10				325	17			3.0	

CTD TYPE & SN: 9+ S/N 91220A DATA ON: _____ JD/TIME: May
 PRESS SN: 80020 START DOWN: _____ DATA LOCATION: _____ File Name/Header: _____
 PRI COND SN: 915 AT DEPTH: _____ CTD 037
 PRI TEMP SN: 710 AT SURFACE: _____ MAX. DEPTH = _____ m
 SEC COND SN: 304
 SEC TEMP SN: 884

PAR 4690 METSTAR 1036P Dissolved Oxygen 430904 Dissolved Oxygen 430910 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.
1	66							137			
2	50							136			
3	40							135			
4	30							134			
5	20							133			
6	10							132			
7	D							30	131		
8											
9											
10											
11											
12											

2 bottles Jordan 1 sample

VESSEL: NOAA RV MILLER FREEMAN
 PROJECT & LEG: MF-07-06
 STATION DESIGNATION:

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
0785725	16648.59N	10239.11W	070239	11:08	21.5	10				337	17			7.0	

CTD DATA LOCATION: DATA ON _____
 FILE NAME/HEADER: CTD 078

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
 MAX. DEPTH = m

PAR 4890
 METSTAR 1036P
 1° Dissolved Oxygen 430904
 2° Dissolved Oxygen 430910
 Cleaned air bleed valve

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES										SAL.	MORDY'S NUTR.	CHL.	WHIT'S NUTR.	
		PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAMPLE BOTTLER DATA	SAMPLE BOTTLER NUMBER							
1	66											03	184			
2	50												182			
3	40												181			
4	30												180			
5	20												179			
6	10												178			
7	0															
8																
9																
10																
11																
12																

NO SAMPLES

VESSEL: NOAA RV MILLER FREEMAN
 PROJECT & LEG: MF-07-06
 STATION DESIGNATION:

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
079	57.26.38 N	166.30.43 W	07 May	0254			09			349	19			30	

CTD DATA ON _____
 START DOWN _____
 AT DEPTH _____
 AT SURFACE _____

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

DATA LOCATION: Tape/Diskette ID MF-07-06, File Name/Header CTD 079
 PAR 4690
 METSTAR 1036P
 1° Dissolved Oxygen 430904
 2° Dissolved Oxygen 430910
 Cleaned air bleed valve

POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES				SALINITY	SAL.	MORDY'S NUTR.	CHL.	WHIT'S NUTR.
		PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY					
1	66					42	191			
2	50						190			
3	40						189			
4	30						188			
5	20						187			
6	10						186			
7	0						185			
8										
9										
10										
11										
12										

BOTTLE DIDN'T TRIP

VESSEL		PROJECT & LEG										STATION DESIGNATION						
NOAA RV MILLER FREEMAN		MF-07-06																
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
084	57°49.13'N	171°09.57'W	04	07	06	33	0.0	1.0	23				31.6	08			93	084
CTD	TIMES		JD/TIME		DATA LOCATION													
TYPE & SN	DATA ON		MAY		Tape/Diskette ID				File Name/Header									
9+ SN 91220A					MF-07-06				CTD 084									
PRESS SN	START DOWN																	
80020																		
PRI COND SN	AT DEPTH																	
915																		
PRI TEMP SN	AT SURFACE																	
710																		
SEC COND SN																		
304																		
SEC TEMP SN																		
884																		
<input checked="" type="checkbox"/> PAR 4690 <input checked="" type="checkbox"/> METSTAR 1036P <input type="checkbox"/> 1° Dissolved Oxygen 430904 <input checked="" type="checkbox"/> 2° 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	89.6	89.6								17								
2	40	40																
3	37	27.6																
4	28	19.5																
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

no samples taken 4 fixed 5 trips on rosettes!

Other samples to compare to U-Tow Flowers.

CTD at end of U-Tow Trawls

MAX. DEPTH = 90 m

VESSEL: NOAA RV MILLER FREEMAN PROJECT & LEG: MF-07-06 STATION DESIGNATION:

CONSC CAST #	DEG	MIN	LATITUDE	DEG	MIN	LONGITUDE	DATE	JD =	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)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
8557	51	.	N	168	52	.	W	09	07	1984	18	49	-1	0	-2	0	8									

CTD TYPE & SN: 9+ S/N 91220A DATA ON: _____ JD/TIME: **May**

PRESS SN: 80020 START DOWN: _____ DATA LOCATION: File Name/Header: _____

PRI COND SN: 915 AT DEPTH: _____

PRI TEMP SN: 710 AT SURFACE: _____

SEC COND SN: 304
SEC TEMP SN: 884
 PAR 4690 METSTAR 1036P 1° Dissolved Oxygen 430904 2° Dissolved Oxygen 430910

CTD CONVERTED MONITOR VALUES Cleaned air bleed valve

POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	SAL.	MORDY'S NUTR.	CHL.	WHITS NUTR.
1	Bot	Bot											
2	30												
3	40												
4	30												
5	20												
6	15												
7	10												
8	10												
9	10												
10	0												
11													
12													

2 Botom 3. files

NO SAMPLES

*START of 2-Tow T-11
2-Tow color at 30m
+ 20m
MAX DEPTH = m*

*281ms
283ms
285ms*

VESSEL: NOAA RV MILLER FREEMAN
 PROJECT & LEG: MF-07-06
 STATION DESIGNATION:

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)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO													
0875	32	00	166	22	07	05	07	30.8	21.1	1019			3148	15				3.0	

CTD DATA ON: _____
 START DOWN: _____
 AT DEPTH: _____
 AT SURFACE: _____
 JDATE: May 07
 DATA LOCATION: Tape/Diskette ID MF-07-06, File Name/Header CTD 087

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
 MAX. DEPTH = 41 m

PAR 4690
 WETSTAR 1036P
 1° Dissolved Oxygen 430904
 2° Dissolved Oxygen 430910
 Cleaned air bleed valve
 CTD CONVERTED MONITOR VALUES

POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAMPLE BOTTLE DATA			SAL.	MORDY'S NUTR.	CHL.	WHIT'S NUTR.
								SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER					
1	40													
2	30													
3	20													
4														
5														
6														
7														
8														
9														
10														
11														
12														

BOTTLE LEAKED

Remarks: @ end of 11-T-10
 Project for all data

VESSEL: NOAA RV MILLER FREEMAN PROJECT & LEG: MF-07-06 STATION DESIGNATION: BS28

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
001	55 45.45 N	169 12.53 W	09 07	1030	03.	01.6	26			285	09			2008	BS28

CTD TYPE & SN: 9+ SN 91220A DATA ON: _____ JDTIME: May
 PRESS SN: 80020 START DOWN: _____
 PRI COND SN: 915 AT DEPTH: 1030
 PRI TEMP SN: 710 AT SURFACE
 SEC COND SN: 304
 SEC TEMP SN: 884

PAR 4690 WETSTAR 1036P 1° Dissolved Oxygen 430904 2° Dissolved Oxygen 430910 Cleaned air bleed valve

Cleaned conductivity sensors

CTD CONVERTED MONITOR VALUES

POS.	TRIP DEPTH	PRESSURE	PRI. TEMP.	SEC. TEMP.	PRI. SALINITY	SEC. SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	SAL.	MORBY'S NUTR.	CHL.	WHIT'S NUTR.
1	Bottom	500								89			
2	300	304											
3	100	99.6											
4	50	50.4											
5	40	40.0											
6	30	30.0											
7	20	20.0											
8	10	10.1											
9	0	2.1											
10													
11													
12													

REMARKS: BS28
 NZS for MANNES
 MAX DEPTH = 500 m

