







VESSEL		PROJECT & LEG		DSD8 I.D.		STATION DESIGNATION											
NOAA Ship MILLER FREEMAN		MF00-01		IV		Sara West											
CONSC CAST #	LATITUDE		LONGITUDE		DATE		TIME (GMT)		DRY BULB (C)	WET BULB (C)	WIND DRFL (deg)	WIND SPD (m/s)	CLOUD (amt)	BOTTOM DEPTH	STA NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	HR	MIN	(C)	(C)	(deg)	(m/s)	(amt)	(m)			
4	56	51	01	42	09	12	09	12	0.3	0.1	180	11	74	75	0104		
SBE 9+		91660		JDTIME		DATA ON		START DOWN		AT DEPTH		AT SURFACE		REMARKS			
PRESS SN		29772		DATE		FILE		B00		09		12		74		74	
PRI TEMP SN		889		DATA LOCATION		Tape/Diskette ID		File Name/Header		CSD004		Cleaned air bleed valve		MAX. DEPTH = 66 m			
SEC TEMP SN		884		TIME		DATE		FILE		B00		09		12		74	
PRI COND SN		303		TIME		DATE		FILE		B00		09		12		74	
SEC COND SN		530		TIME		DATE		FILE		B00		09		12		74	
POS	TRP DEPTH	PRESSURE	PRI TEMP.	SEC TEMP	SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	SAL	NUTR	CHL	WHIT'S NUTR.					
1	bot								35	M24		M24					
2	50									M23		M23					
3	40											X					
4	30									M22		M22					
5	20									M21		M21					
6	10									M20		M20					
7	0									M19		M19					
8																	
9																	
10																	
11																	
12																	

(Page 4)

M19

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION											
NOAA Ship MILLER FREEMAN		MF00-01		I 2		Site 2 North											
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	WIND DIR (deg)	WIND SPD. (m/s)	SEA STATE	VISIBILITY	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO											
5570120	N 164	21	177	W 19	FEB	00	1151	2.5	1.8	74	37	19	1	08	842	70	005
SBE 9+	91660		29772		JD TIME		TAPES/DISKETTE ID		DATA LOCATION		FILE NAME/HEADER		REMARKS				
PRESS SN	889		884		START DOWN		AT DEPTH		AT SURFACE		CLEANED AIR BLEED VALVE		MAX. DEPTH = 63 m				
PRI COND SN	530		4242		FLUOR SN 153		PAR SN 4242		CTD CONVERTED MONITOR VALUES		CHIAM SN 108		SAMPLE BOTTLE NUMBER				
TRIP DEPTH	PRESSURE	PRI TEMP.	SEC TEMP	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SAL	CHL	WHIT'S NUTR.			
1 63												6		M30			
2 50														M29			
3 40														M27			
4 30														M27			
5 20														M26			
6 10														M25			
7 0																	
8																	
9																	
10																	
11																	
12																	

new

1st (N deffen) Cross-Shelf Station

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION											
NOAA Ship MILLER FREEMAN		MF00-01		VI													
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	SEA STATE	WIND DIR (deg)	WIND SPD (m/s)	WIND DIR (deg)	WIND SPD (m/s)	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR									
656	37	08	164	35	19	00	14	51	1.0	0.8	753	190	10	8	77	0	06
SBE 9+	91660				JD/TIME				DATA LOCATION		REMARKS		78				
PRESS SN	29772				DATA ON				Tape/Diskette ID		File Name/Header						
PRI TEMP SN	889				START DOWN						SADSO6						
SEC TEMP SN	884				AT DEPTH								Cleaned air bleed valve				
PRI COND SN	303				AT SURFACE								MAX. DEPTH = 73 m				
SEC COND SN	530				PAR SN 4242				FLUOR SN 153		CHIAM SN 109						
POS.	TRIP DEPTH	PRESSURE		PRI TEMP.	SEC TEMP.	SALINITY		SALINITY		SALINITY		SAL.	NUTR.	CHL.	WHIT'S NUTR.	SAMPLE BOTTLE NUMBER	
1	0											14			M36		
2	50														M35		
3	30														M34		
4	20														M33		
5	10														M32		
6	0														M31		
7																	
8																	
9																	
10																	
11																	
12																	

Cross Shelf 2

Zee

Zee

M37

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION													
NOAA Ship MILLER FREEMAN		MF00-01		VII															
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	WIND DIR (deg)	WIND SPD (m/s)	WIND DIR (deg)	WIND SPD (m/s)	BOTTOM DEPTH (m)	STA. NAME/ID			
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(deg)	(m/s)	(deg)	(m/s)	(m)			
756	30	06	16	50	19	06	00	16	41	11.0	0.7	7.5	36	188	10	8.5	7	007	
SBE 9+	91660				JD/TIME				TAPES/DISKETTE ID		DATA LOCATION		REMARKS						
PRESS SN	29772				DATA ON				Tape/Diskette ID		File Name/Header								
PRI TEMP SN	889				START DOWN						S10007								
SEC TEMP SN	884				AT DEPTH														
PRI COND SN	303				AT SURFACE														
SEC COND SN	530				PAR SN 4242						FLUOR SN 153		CHIAM SN 108						
TRIP DEPTH					CID CONVERTED MONITOR VALUES						SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER						
1	bottom			PRESSURE		PRI TEMP.		SEC TEMP		SALINITY		SALINITY		SAL		NUTR		CHL	
2	50													22		M42			
3	30															M41			
4	20															M40			
5	10															M39			
6	0															M38			
7																M37			
8																			
9																			
10																			
11																			
12																			

Cleaned air bleed valve  
MAX. DEPTH = 75 m

Cross-Shell .3

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION																		
NOAA Ship MILLER FREEMAN		MF00-01		XIII																				
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	SEA STATE	WIND DIR (deg)	WIND SPD (m/s)	CLOUD (amt)	BOTTOM DEPTH	STA NAME/ID								
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR									MIN	(mb)	(deg)	(m/s)	(m)			
856	23	48	N	165	23	07	W	19	F	00	18	23	11	4	1	27	63	62	20	14	85	7	87	008
SBE 9+	91660				JD/TIME				DATA LOCATION		REMARKS		87											
PRESS SN	29772		DATA ON						Tape/Diskette ID		File Name/Header													
PRI TEMP SN	889		START DOWN								CROSS													
SEC TEMP SN	884		AT DEPTH										Cleared air bleed valve											
PRI COND SN	303		AT SURFACE										MAX. DEPTH = 80 m											
SEC COND SN	530		FAR SN 4242		FLUOR SN 153		CHIAM SN 108																	
POS TRIP DEPTH	PRESSURE		PRI TEMP.		SEC TEMP.		SALINITY		SALINITY		SALINITY		SAL.		NUTR.		CHL.		NUTR.		SAMPLE BOTTLE NUMBER			
	1	2	3	4	5	6	7	8	9	10	11	12												
75.8	50.7	50	30	20	10	0								24										

Light enough to see water is NOT Cocco-green





VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION																	
NOAA Ship MILLER FREEMAN		MF00-01		X																			
CONSEC CAST #	LATITUDE		LONGITUDE		DATE JD=050		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	SEA STATE	WIND DIR	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID						
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(mb)	(deg)	(m/s)	(amt)		(m)							
010	56	10.3	N	166	05.4	W	19	F	00	02	13	6	2	5	0	18	8	5	5	106			
SBE 9+		91660		JD TIME		TIMES		DATA ON		Tape/Diskette ID		File Name/Header		DATA LOCATION		REMARKS							
PRESS SN		29772								CDD010						east corner of							
PRI TEMP SN		RR9														Cleaned air bleed valve							
SEC TEMP SN		RR4																					
PRI COND SN		303																					
SEC COND SN		530																					
POS.	TRP	DEPTH	PRESSURE	PRI TEMP.	SEC TEMP	SALINITY	SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	SAL	NUTR	CHL	WHIT'S									
1	100																						
2	75																						
3	50																						
4	40																						
5	20																						
6	20																						
7	10																						
8	0																						
9																							
10																							
11																							
12																							

FLUOR SN 153

PAR SN 4242

CHAM SN 109

CID CONVERTED MONITOR VALUES



VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION														
NOAA Ship MILLER FREEMAN		MF00-01		XII																
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=051		TIME (GMT)		WIND DIRNL SPD. (m/s)	WIND DRFL (deg)	WIND SPD. (m/s)	SEA STATE	PRESSURE	WET BULB (°C)	DRY BULB (°C)	VISIBILITY	CD (amt)	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR												MIN
01256	12.7	N	166	29.9	W	20	F	10	00	00	00	00	00	21.9	21.9	20	8	62	115	
SBE 9+	91660				JD/TIME				DATA LOCATION		REMARKS									
PRESS SN	29772				Tape/Diskette ID		File Name/Header		CIDD		CIDD		CIDD		106.46					
PRI TEMP SN	889				START DOWN				CIDD		CIDD		CIDD		CIDD					
SEC TEMP SN	884				AT DEPTH				CIDD		CIDD		CIDD		CIDD					
PRI COND SN	303				AT SURFACE				CIDD		CIDD		CIDD		CIDD					
SEC COND SN	530				PAR SN 4242		FLUOR SN 153		CHIAM SN 108		MAX. DEPTH = 109 m									
POS	TRIP DEPTH	PRESSURE	PRI TEMP.	SEC TEMP	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY
1	Bottom																			
2	100																			
3	75																			
4	50																			
5	40																			
6	30																			
7	20																			
8	10																			
9	0																			
10																				
11																				
12																				

104  
107

CIDD  
with cover of MB box

Cleaned air bleed valve



VESSEL NOAA Ship MILLER FREEMAN		PROJECT & LEG MIF00-01		DSDB I.D. XIV		STATION DESIGNATION																					
CONSC CAST #		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE		WIND DIRNL (deg)		WIND SPD. (m/s)		CLOUD (amt)		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
014		166.35 N 173.5 W		20 FEB 00		0855		2.0		1.5		825.7		230		20		862				129		114			
SBE 9+		91660		J/TIME																							
PRESS SN		29772		DATA ON																							
PRI TEMP SN		889		START DOWN																							
SEC TEMP SN		884		AT DEPTH																							
PRI COND SN		303		AT SURFACE																							
SEC COND SN		530		✓ PAR SN 4242		✓ FLUOR SN 153		✓ CHAM SN 100																			
POS TRP DEPTH				CTD CONVERTED MONITOR VALUES																							
1		123		PRESSURE		PRI TEMP.		SEC TEMP		SALINITY		SALINITY		SAL		NUTR		NUTR		CHL		WHIT'S NUTR.					
2		100																									
3		75																									
4		50																									
5		40																									
6		30																									
7		20																									
8		10																									
9		0																									
10																											
11																											
12																											

REMARKS  
CTD @ west side  
of M3 box  
Cleaned air bleed valve  
MAX. DEPTH = 123 m



~~air~~  
air  
temp

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION																	
NOAA Ship MILLER FREEMAN		MF00-01		XVI-1																			
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	SEA STATE	WIND DIR (deg)	WIND SPD. (m/s)	CLOUD (amt)	BOTTOM DEPTH (m)	STA NAME/ID							
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR									MIN	WIND DIR	WIND SPD	WIND DIR	WIND SPD	WIND DIR	WIND SPD
165	16	11	71	09	20	00	12	26	1.8	0.8	2	5	7	2	18	13	6	1	13	6	1	16	
SBE 9+		91660		JD/TIME																		REMARKS Outbe Portain 2 (East)	
PRESS SN		29772		TAPES		DATA ON		Tape/Diskette ID		File Name/Header													
PRI TEMP SN		889		START DOWN																			
SEC TEMP SN		884		AT DEPTH																			
PRI COND SN		303		AT SURFACE																			
SEC COND SN		530		<input checked="" type="checkbox"/> PAR SN 4242 <input checked="" type="checkbox"/> FLUOR SN 153 <input checked="" type="checkbox"/> CHIAM SN 109																			
POS	TRIP DEPTH	PRESSURE		PRL TEMP.	SEC TEMP	SALINITY		SALINITY		SALINITY		SAL	NUTR	CHL	WHIT'S NUTR								
1	129											32			M103								
2	100														M102								
3	80														M101								
4	50														M100								
5	0														M99								
6																							
7																							
8																							
9																							
10																							
11																							
12																							

REMARKS Outbe Portain 2 (East)

Cleaned air bleed valve  
MAX. DEPTH = 129 m

(Tide)



700

M104

VESSEL		PROJECT & LEG		DSDB ID		STATION DESIGNATION																
NOAA Ship MILLER FREEMAN		MF00-01		XVII-1																		
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIR (deg)	WIND SPD (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID					
	DEG	MIN	DEG	MIN	DAY	MO												YR	HR	MIN	SEC	WIND DIR
1755	39.13	N	167	29.18	W	20	F	E	B	0	14	27	1.1	0.7	816	7220	18	8	3	137	117	
SBE 9+	91660				JD/TIME																REMARKS Outer Domain 3 beam East	
PRESS SN	29772				Tape/Diskette ID						File Name/Header											
PRI TEMP SN	889				START DOWN																	
SEC TEMP SN	884				AT DEPTH																	
PRI COND SN	303				AT SURFACE																	
SEC COND SN	530				X PAR SN 4242		N FLUOR SN 153		X CHAM SN 109													
POS.	TRIP DEPTH	PRESSURE		PRI TEMP.	SEC TEMP.	SALINITY		SALINITY		SALINITY		SAL	NUTR	CHL	WHIT'S NUTR	SAMPLE BOTTLE NUMBER						
1	131											15			M104							
2	80														M105							
3	10														M104							
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

Cleaned air bleed valve

MAX. DEPTH = 131 m



VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION													
NOAA Ship MILLER FREEMAN		MF00-01		XVIX - 1															
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=051		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	SEA STATE	WIND DIR (deg)	WIND SPD (m/s)	WIND DIR (deg)	WIND SPD (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(mb)	(deg)	(m/s)	(deg)	(m/s)	(amt)		(m)	
1955	24	13	N	168	03	18	3	18	15	2.0	1.08	6	19	5	23	7	1	26	19
REMARKS 200 m Station																			
SBE 9+		91660		JD/TIME		Tape/Diskette ID		DATA LOCATION		File Name/Header									
PRESS SN		29772		DATA ON															
PRI TEMP SN		889		START DOWN															
SEC TEMP SN		884		AT DEPTH															
PRI COND SN		303		AT SURFACE															
SEC COND SN		530		PAR SN 4242		FLUOR SN 153		CHAM SN 109											
POS TRIP DEPTH				CITD CONVERTED MONITOR VALUES															
1	192																		
2	150																		
3	100																		
4	75																		
5	50																		
6	40																		
7	30																		
8	20																		
9	10																		
10	0																		
11																			
12																			

XX Snags - NO sample

Cleaned air bleed valve

MAX. DEPTH = 192 m

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION																				
NOAA Ship MILLER FREEMAN		MF00-01		XX																						
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		WET BULB		WIND DIRNL		WIND SPD.		BOTTOM DEPTH		STA. NAME/ID									
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(deg)	(m/s)	(m)												
2055	22	59	N	128	11	39	W	0	2	00	8	6	7	2	0	6	18	6	9	1	5	2	1	1	2	6
SBE 9+	91660				JD/TIME						DATA LOCATION		REMARKS		500m											
PRESS SN	29772				Tape/Diskette ID						File Name/Header		W0522													
PRI TEMP SN	889				START DOWN																					
SEC TEMP SN	884				AT DEPTH																					
PRI COND SN	303				AT SURFACE																					
SEC COND SN	530				PAR SN 4242		No		FLUOR SN 153		No		CHIAM SN 109		No											
POS.	TRIP DEPTH				CTD CONVERTED MONITOR VALUES						SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER													
1	510				PRESSURE				PRI TEMP.		SEC TEMP		SALINITY		SALINITY		SAL		NUTR		NUTR		CHL		WHIT'S NUTR	
2	300																		18						M131	
3	250																								M135	
4	200																								M129	
5	150																								M128	
6	100																								M127	
7	75																								M126	
8	50																								M125	
9	30																								M124	
10	20																								M123	
11	10																								M122	
12	0																								M121	

7.00



\* start time picked in @ ~ 27m

VESSEL		PROJECT & LEG				STATION DESIGNATION										
NOAA Ship MILLER FREEMAN		DSDB I.D. <u>XXII</u>														
		MF00-01														
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	SEA STATE	WIND DIRN (deg)	WIND SPD (m/s)	WIND DIR	WIND SPD (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
022	55° 06' 19" N	168° 29' 52" W	1981 FEB 00	0716	4.9	3.08	67	00	00	11	11	00	00	1726		
SBE 9+	91660		JD/TIME		DATA LOCATION											
PRESS SN	29772		DATA ON		Tape/Diskette ID File Name/Header											
PRI TEMP SN	889		START DOWN		(0-1580m) CTD022											
SEC TEMP SN	884		AT DEPTH		(1580- ) CTD022B											
PRI COND SN	303		AT SURFACE		Cleared air bleed valve											
SEC COND SN	530				MAX DEPTH = m											
POS	TRIP	CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA												
	DEPTH	PAR SN 4242	FLUOR SN 153	CHIAM SN 109												
1	1709	PRESSURE	PRI TEMP.	SEC TEMP	SALINITY	SALINITY	SALINITY	SAL	30	CHL	CHL	NUTR	NUTR	WHITE	WHITE	
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																

REMARKS  
 0-1580 m vs. top of  
 20-cm liquid at station -

Check - is there a 23?

File headers would still be at inside the file

PG. 23 OF

Note - took cast on Ctd 024 & Renamed files to Ctd 023.

VESSEL		PROJECT & LEG		STATION DESIGNATION									
NOAA Ship MILLER FREEMAN		MF00-01		DSDB I.D. XXVIII									
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD	TIME (GMT)	DRY BULB (C)	WET BULB (C)	SEA STATE	WIND DIR	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
23	54.22 N	168.45 W	1 FEB 01	17	3.0	2.0	6	330	2.6	8	22	10	23
SBE 9+	91660	JD/TIME		Tape/Diskette ID		DATA LOCATION		REMARKS					
PRESS SN	29772	DATA ON		File Name/Header		CIDD023		Cleaned air bleed valve		1549			
PRI TEMP SN	889	START DOWN											
SEC TEMP SN	884	AT DEPTH											
PRI COND SN	303	AT SURFACE											
SEC COND SN	530	PAR SN 424	FLUOR SN 153	CHAM SN 109									
POS. TRP DEPTH	CTD CONVERTED MONITOR VALUES												
1	1501	PRESSURE	PRI TEMP.	SEC TEMP	SALINITY	SALINITY	SALINITY	SAL	NUTR	CHL	WHIT'S NUTR		
2	5							22					
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

Zee























VESSEL		PROJECT & LEG		DSD8 I.D.		STATION DESIGNATION																
NOAA Ship MILLER FREEMAN		MIF00-01																				
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	SEA STATE	WIND DIRN (deg)	WIND SPD. (m/s)	CLOUD (amt)	BOTTOM DEPTH	STA. NAME/ID						
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(m/s)	(m)							
1	52	19.67	N	170	31	35	W	22	F	EB	00	22	23	0.8	0.8	8	5	3	4			
SBE 9+	91660				JD/TIME				DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS							
PRESS SN	29772										29772		29772		E. Amherst Pass							
PRI TEMP SN	889																					
SEC TEMP SN	884																					
PRI COND SN	303																					
SEC COND SN	530																					
POS.	TRIP		PAR SN 4242		FLUOR SN 153		CHAM SN 109		DATA		SAMPLE BOTTLE		NUMBER		SAL		NUTR		CHL		WHIT'S NUTR	
	DEPTH																					
1	519																					
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

Wind

29772

29772

29772

29772

29772





VESSEL NOAA Ship MILLER FREEMAN		PROJECT & LEG MF00-01		DSDB I.D.		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 SFD (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID										
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN								(m)											
365	15	21.90	N	170	22	41	W	23	F	E	B	00	10	44	3.1	2.1	1027.6	200	26	87	73	80	0					
SBE 9+	91660				JD/TIME				Tape/Diskette ID		File Name/Header		DATA LOCATION		REMARKS From Chief E. Amuletta Pass. 5hr 5													
PRESS SN	29772																											
PRI TEMP SN	R89																											
SEC TEMP SN	R84																											
PRI COND SN	303																											
SEC COND SN	530																											
POS	TRIP		DEPTH		PAR SN 4242		FLUOR SN 153		CHAM SN 109		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER															
1	2777																											
2																												
3																												
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

Ran out of cable hot water

Cleaned air bleed valve

MAX. DEPTH = 2777 m



depth from chart

VESSEL		PROJECT & LEG				STATION DESIGNATION																												
NOAA Ship MILLER FREEMAN		DSDB I.D.																																
		MF00-01																																
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	WIND DIR (deg)	WIND SPD (m/s)	CLOUD (amt)	WIND DIR	BOTTOM DEPTH	STA NAME/ID																		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN						(m)																			
38	51	3.153	N	170	13	11	4	23	19	48	3	0	2	1	7	6	8	5	3	4	9	10												
SBE 9+	91660		JD/TIME		TAPES		DATA ON		START DOWN		AT DEPTH		AT SURFACE		PAR SN 4242		FLUOR SN 153		CHAM SN 109															
PRESS SN	29772																																	
PRI TEMP SN	R89																																	
SEC TEMP SN	R84																																	
PRI COND SN	303																																	
SEC COND SN	530																																	
POS	TRIP	DEPTH	PRESSURE	PRI TEMP.	SEC TEMP	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY			
1																																		
2																																		
3																																		
4																																		
5																																		
6																																		
7																																		
8																																		
9																																		
10																																		
11																																		
12																																		

REMARKS  
E. Amukta, 5m 7.

Cleaned air bleed valve

MAX. DEPTH = 2944 m

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION												
NOAA Ship MILLER FREEMAN		MF00-01																
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD=054		TIME (GMT)	WET BULB (°C)	DRY BULB (°C)	WIND DIR (deg)	WIND SPD (m/s)	SEA STATE	VISIBILITY	CLOUD (amt)	BOTTOM DEPTH (m)	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO											YR	HR
03951	13	47	170	06	15	W	03	11	3.0	173	16	8	16	18	53	18	000	
SBE 9+	91660		JD/TIME		Tape/Diskette ID		DATA LOCATION		File Name/Header		REMARKS							
PRESS SN	29772		DATA ON		START DOWN		AT DEPTH		AT SURFACE		MAX. DEPTH = 2885 m							
PRI TEMP SN	R89																	
SEC TEMP SN	R84																	
PRI COND SN	303																	
SEC COND SN	530																	
POS. TRIP DEPTH	PAR SN 4242		FLUOR SN 153		CHAM SN 109		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER									
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

chart  
~4000m  
6550m

500 decided that  
a mark of 3300 and  
cleaned air bleed valve could be set

4000  
1.83  
12000  
4000  
4000  
650000





Verify these

VESSEL NOAA Ship MILLER FREEMAN		PROJECT & LEG MF00-01		DSDB I.D.		STATION DESIGNATION									
CONSC CAST #		LONGITUDE		DATE		TIME (GMT)		WET BULB		WIND DIRN		WIND SPD.		STATION NAME/ID	
0415425.01 N		16508.25 W		25 FEB 00		0715		1.2804		7300		30			
SBE 9+		TIMES		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS			
PRESS SN		DATA ON		START DOWN		AT DEPTH		AT SURFACE		Cleaned air bleed valve		MAX. DEPTH = 129 m			
PRI TEMP SN 889		PAR S/N 4242		FLUOR S/N 153		CHIAM S/N 109									
SEC TEMP SN 884		CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER									
PRI COND SN 303		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SAL.		WHIT'S NUTR.	
SEC COND SN 530		TRIP DEPTH		129		100		75		50		40		30	
		1		2		3		4		5		6		7	
		8		9		10		11		12		156		155	
		154		153		152		151		150		149		148	
		147		146		145		144		143		142		141	
		140		139		138		137		136		135		134	
		133		132		131		130		129		128		127	
		126		125		124		123		122		121		120	
		119		118		117		116		115		114		113	
		112		111		110		109		108		107		106	
		105		104		103		102		101		100		99	
		98		97		96		95		94		93		92	
		91		90		89		88		87		86		85	
		84		83		82		81		80		79		78	
		77		76		75		74		73		72		71	
		70		69		68		67		66		65		64	
		63		62		61		60		59		58		57	
		56		55		54		53		52		51		50	
		49		48		47		46		45		44		43	
		42		41		40		39		38		37		36	
		35		34		33		32		31		30		29	
		28		27		26		25		24		23		22	
		21		20		19		18		17		16		15	
		14		13		12		11		10		9		8	
		7		6		5		4		3		2		1	



VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION							
NOAA Ship MILLER FREEMAN		MF00-01				43							
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	SEA STATE	WIND DIRN. (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
425420.12N	165251.00W	25 FEB 00	1020	1.0	0.0	8.36	7	300	43	856	13.8		
SBE 9+	91660	TIMES	JD/TIME	DATA LOCATION									
PRESS SN	29772	DATA ON		Tape/Diskette ID File Name/Header									
PRI TEMP SN	889	START DOWN											
SEC TEMP SN	884	AT DEPTH											
PRI COND SN	303	AT SURFACE											
SEC COND SN	530	PAR S/N 4242	<input checked="" type="checkbox"/>	FLUOR S/N 153	<input checked="" type="checkbox"/>	CHIAM S/N 109	<input checked="" type="checkbox"/>	REMARKS					
POS. TRIP DEPTH													
1	127												
2	100												
3	75												
4	50												
5	40												
6	30												
7	20												
8	10												
9	0												
10													
11													
12													

Cleaned air bleed valve

MAX. DEPTH = 128 m

CTD CONVERTED MONITOR VALUES

SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER			
	SALINITY	SEC. TEMP	PRI. TEMP.	PRESSURE
SALINITY				
SAL	8			
WHIT'S NUTR.				
CHL				
NUTR.				
WHIT'S NUTR.				172
CHL				171
NUTR.				170
WHIT'S NUTR.				169
CHL				—
NUTR.				168
WHIT'S NUTR.				167
CHL				166
NUTR.				165