

VESSEL		PROJECT & LEG		STATION DESIGNATION										
MILLER FREEMAN		M F 01-11												
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DFRN (deg)	WIND SPD (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
0615727.72N	15734.32W	22SEP01	0050	91.7	94.8	54070	18							
CTD				REMARKS										
TYPE & SN				# L. before in Top										
PRESS SN				10m										
TEMP SN														
COND SN														
TEMP SN				MAX. DEPTH = m										
TRIP DEPTH				Cleaned air bleed valve										
POS.				SAMPLE BOTTLE DATA										
1 113				SAMPLE BOTTLE NUMBER										
2 100				SALINITY										
3 75				SALINITY										
4 60				SALINITY										
5 50				SALINITY										
6 40				SALINITY										
7 30				SALINITY										
8 20				SALINITY										
9 10				SALINITY										
10 0				SALINITY										
11				SALINITY										
12				SALINITY										

DATA LOCATION

Tape/Diskette ID File Name/Header

CTD CONVERTED MONITOR VALUES

PAR FLUOR CHIAM TRANSMISSOMETER

VESSEL		PROJECT & LEG				STATION DESIGNATION																						
Alpha Helix						CB03A																						
CONSC CAST #	57° 31.03		157° 26.78		DATE JD=		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE		WIND DIRN (deg)		WIND SPD (m/s)		CLOUD (amt)		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
002	57	30.85	N	157	26.65	W	22	01	02	22	9.8	9.0	88	4	6	0	7	0	1	5	8	7	5		1	4	2	CB3A
CTD		TIMES		JD/TIME		DATA LOCATION																						
TYPE & SN		DATA ON		Tape/Diskette ID		File Name/Header																						
PRESS SN		START DOWN																										
TEMP SN		AT DEPTH																										
COND SN		AT SURFACE																										
TEMP SN																												
		<input checked="" type="checkbox"/> PAR		<input checked="" type="checkbox"/> FLUOR		<input type="checkbox"/> CHAM		<input type="checkbox"/> TRANSMISSOMETER		<input type="checkbox"/> Cleaned air bleed valve																		
TRIP DEPTH												SAMPLE BOTTLE DATA																
		PRESSURE		PRI. TEMP.		SEC. TEMP.		SALINITY		SALINITY		SALINITY		SAL.		NUTR.		CHL.		WHIT'S NUTR.								
1	008	141										002				721												
2	128	128														722		723		724								
3	123	123.6														725		727		728								
4	103	103														729		731		732		x 3		x 2		x 1		
5	78	79														733		734		735								
6	48	48														736		737		738		x 3		x 2		x 1		
7	28	28														739		740		741								
8	17	17														742		743		744								
9	0	0														745		746		747								
10	0	0														748		749		750								
11																												
12																												

F denotes filtered NUTS

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION																							
NOAA Ship MILLER FREEMAN		MF-01-11				FATE																							
CONSECUTIVE	# CAST	LATITUDE		LONGITUDE		DATE		TIME		DRY BULB °C	WET BULB °C	PRESSURE mb	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED m/s	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STATION NAME / ID									
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR												MIN								
00	4	58	15.39	N	147	40.58	W	23	09	01	01	30	13	17	10	2	9	3	4	7	18	4	8	5	20	0	0	FATE	
SBE 9+		91660																										REMARKS	
PRESS SN		29772		DATA ON		Tape/Diskette ID		File Name/Header																				Chlam off 2 YES	
PRI TEMP SN		710		START DOWN																								No PAR	
SEC TEMP SN		884		AT DEPTH																								NO PAR	
PRI COND SN		304		AT SURFACE																								NO PAR	
SEC COND SN		530																										NO PAR	
		PAR S/N=		FLUOR S/N=		CTD CONVERTED MONITOR VALUES																							
POSITION	TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SAL	NUTR	CHL	WHIT'S NUTR	SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER																
											SALINITY	DATA	SAL	NUTR	CHL	NUTR													
1	1500													2001															
2	1250													2002															
3	1000													2003															
4	750													2004															
5	500													2005															
6	250													2006															
7	100													2007															
8	75													2008															
9	50													2009	283														
10	25													2010	283														
11	10													2011	283														
12	0													2012	283														

993
1006

VESSEL		PROJECT & LEG				DSDDB I.D.				STATION DESIGNATION													
NOAA Ship MILLER FREEMAN		MF-01-11								NNE of FATE													
CONSECUTIVE	CAST #	LATITUDE		LONGITUDE		DATE			TIME		DRY BULB °C	WET BULB °C	PRESSURE mb	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED m/s	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STATION NAME / ID	
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN													
	0665820	54	57	147	39	23	09	01	11	35	10.5	9.2	935	7	183	23	86	620	83				
SBE 9+		91660		TIMES		DATA LOCATION			Tape/Diskette ID		File Name/Header		REMARKS										
PRESS SN		29772		DATA ON									Chlamydia sp. 2										
PRI TEMP SN		710		START DOWN									saw normal of cast										
SEC TEMP SN		884		AT DEPTH									1531 w/o										
PRI COND SN		304		AT SURFACE									<input checked="" type="checkbox"/> Cleaned air bleed valve MAX. DEPTH (m) <input type="checkbox"/> FLUOR S/N= ChLAM S/N=										
SEC COND SN		530		PAR S/N=									SAMPLE BOTTLE NUMBER										
POSITION	TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY DATA	SAL	NUTR	CHL	WHIT'S NUTR	SAMPLE BOTTLE												
											NUTR	CHL											
1	1500						54	2028															
2	1250							2029															
3	1050							2030															
4	750							2031															
5	500							2032															
6	250							2033															
7	100							2034															
8	75							2035															
9	50						F	2036															
10	25						F	2037															
11	10						F	2038															
12	0						F	2039															

YES
ITS off

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION																		
NOAA Ship MILLER FREEMAN		MF-01-11				E SEYFATE																		
CONSECUTIVE	CAST #	LATITUDE		LONGITUDE		DATE		TIME		WET BULB °C	DRY BULB °C	WIND DIRECTION	WIND SPEED m/s	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STATION NAME / ID							
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR									MIN	SEA STATE	VISIBILITY	WIND	TYPE		
		00	458	15	90	21	47	32	17	23	09	01	13	43	10	15	8	39	24	7	170	2086	62084	
SBE 9+		91660		TIMES		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS												
PRESS SN		29772		DATA ON								<input checked="" type="checkbox"/> Cleaned air bleed valve MAX. DEPTH (m) <u>514</u> w/o ChLAM SN= <u> </u>												
PRI TEMP SN		710		START DOWN																				
SEC TEMP SN		884		AT DEPTH																				
PRI COND SN		304		AT SURFACE																				
SEC COND SN		530		PAR SN=				FLUOR SN=																
CTD CONVERTED MONITOR VALUES																								
POSITION	TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY DATA	SAL	NUTR	CHL	WHIT'S NUTR	SAMPLE BOTTLE NUMBER													
											SAMPLE BOTTLE	DATA												
1	1500					43						2040												
2	1250											2041												
3	1000											2012												
4	750											2043												
5	500											2011												
6	250											2005												
7	100											2006	285											
8	75											2017	283											
9	50											2018	283											
10	25											2009	283											
11	10											2050	283											
12	0											2051	283											

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION															
NOAA Ship MILLER FREEMAN		MF-01-11																			
CONSECUTIVE	CAST #	LATITUDE		LONGITUDE		DATE		TIME		DRY BULB °C	WET BULB °C	PRESSURE mb	SEA STATE	VISIBILITY	WIND DIRECTION deg	WIND SPEED m/s	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STATION NAME / ID	
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR												MIN
	011	59	07.49	N	148	46.64	W	25	09	00	11	23	6	10.5	9.0	924	7035	22361	145	GB4A	
SBE 9+		91660		TIMES		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS									
PRESS SN		29772		DATA ON								bucker ID 13169									
PRI TEMP SN		710		START DOWN								<input type="checkbox"/> Cleaned air bleed valve									
SEC TEMP SN		884		AT DEPTH								MAX. DEPTH (m) 136 w/o									
PRI COND SN		304		AT SURFACE								ChLAM S/N=									
SEC COND SN		530										<input type="checkbox"/> FLUOR S/N=									
												CTD CONVERTED MONITOR VALUES									
POSITION	TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SAL	NUTR	CHL	WHITS	SAMPLE BOTTLE		DATA								
											NUTR	WHITS	SAMPLE BOTTLE	DATA							
1	305	134						2091													
2	100							2092	289												
3	80							2093	288												
4	70							2094	285												
5	60							2095	285												
6	50							2096	285	F											
7	40							2097	283	F											
8	30							2098	283	F											
9	20							2099	283	F											
10	10							2100	283	F											
11	0							2101	283	F											
12																					

Amended

VESSEL				PROJECT & LEG				DSDB I.D.				STATION DESIGNATION									
NOAA Ship MILLER FREEMAN				MF-01-11								683P									
CONSECUTIVE	CAST #	LATITUDE		LONGITUDE		DATE		TIME		DRY	WET	SEA STATE	VISIBILITY	WIND	DIRECTION	WIND	SPEED	CLOUD (amt)	WEATHER	BOTTOM	STATION
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	BULB °C	BULB °C	mb		deg	m/s				DEPTH	NAME / ID
013	5916.73	148	56.98	26	5	2011	07	10	10	10.5	9.0	99.3	6	08	08	50	6	8	182	618P3B	
SBE 9+	91660	TIMES				DATA LOCATION				REMARKS											
PRESS SN	29772	DATA ON				Tape/Diskette ID				File Name/Header											
PRI TEMP SN	710	START DOWN																			
SEC TEMP SN	884	AT DEPTH																			
PRI COND SN	304	AT SURFACE																			
SEC COND SN	530	PAR S/N=				FLUOR S/N=				MAX. DEPTH (m)				ChLAM S/N=							
CTD CONVERTED MONITOR VALUES																					
POSITION	TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY
1	Bot (175)	'																			
2	175	'																			
3	150	'																			
4	100	'																			
5	75	'																			
6	50	'																			
7	40	'																			
8	30	'																			
9	15	'																			
10	10	'																			
11	0	'																			
12																					

Spilled about 5 mls during filtering

VESSEL		PROJECT & LEG				DSDB I.D.				STATION DESIGNATION											
NOAA Ship MILLER FREEMAN		MF-01-11								GAK 7i											
CONSECUTIVE CAST #	LATITUDE		LONGITUDE		DATE		TIME		DRY	WET	SEA STATE	VISIBILITY	WIND	DIRECTION	WIND	SPEED	CLOUD (amt)	TYPE	WEATHER	BOTTOM	STATION
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	BULB	BULB	mb	deg	deg	m/s					DEPTH	NAME / ID
017	58	52.99	N	148	34	01	11	46	11	09	200	37	10	00	6	38			294	GAK 7i	
SBE 9+	91660		TIMES		SEP DATA LOCATION				REMARKS												
PRESS SN	29772		DATA ON		Tape/Diskette ID				File Name/Header				dist. ID = 13164								
PRI TEMP SN	710		START DOWN																		
SEC TEMP SN	884		AT DEPTH																		
PRI COND SN	304		AT SURFACE																		
SEC COND SN	530		PAR S/N=		FLUOR S/N=				Chlam S/N=				MAX. DEPTH (m) 285 W/O								
CTD CONVERTED MONITOR VALUES																					
POSITION	TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY
1	285	90 TDOW																			
2	250																				
3	200																				
4	150																				
5	100																				
6	70																				
7	50																				
8	30																				
9	20																				
10	10																				
11	0																				
12																					

Pripper - slow lecher

VESSEL		PROJECT & LEG				DSDB I.D.				STATION DESIGNATION														
NOAA Ship MILLER FREEMAN		MF-01-11								GB-6a														
CONSECUTIVE CAST #	LATITUDE		LONGITUDE		DATE		TIME		DRY		WET		PRESSURE mb	SEA STATE	VISIBILITY	WIND deg	WIND DIRECTION	WIND SPEED m/s	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STATION NAME / ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	BULB °C	BULB °C	BULB °C												
0195855.38N	14839.85W	26	09	00	11	41	8	11	11	11	11	11	0037	0037	0037	100	100	11	38	1	248	GB6A		
SBE 9+	91660		TIMES		DATA LOCATION		Tape/Diskette ID		File Name/Header															
PRI TEMP SN	29772		DATA ON																					
SEC TEMP SN	710		START DOWN																					
PRI COND SN	884		AT DEPTH																					
SEC COND SN	304		AT SURFACE																					
	530		PAR S/N=		FLUOR S/N=																			
CTD CONVERTED MONITOR VALUES																								
POSITION	TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY
1	242	385																						
2	200																							
3	150																							
4	100																							
5	70																							
6	50																							
7	40																							
8	30																							
9	20																							
10	10																							
11	0																							
12																								

Cleaned air bleed valve

MAX. DEPTH (m) 240 W/O

ChLAM S/N=

FLUOR S/N=

CTD CONVERTED MONITOR VALUES

SAMPLE BOTTLE NUMBER

SAMPLE BOTTLE DATA

WHIT'S NUTR

CHL

NUTR

SAL

SALINITY

SALINITY

SALINITY

SALINITY

SALINITY

SALINITY

SALINITY

SALINITY

SALINITY

SALINITY

SALINITY

SALINITY

SALINITY

SALINITY

SALINITY

VESSEL		PROJECT & LEG		STATION DESIGNATION										
MILLER FREEMAN		M F 01-11		ATBS										
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	WIND DIRN (deg)	WIND SPD. (m/s)	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STA. NAME/ID
025	48.41 N	148.43 W	27 SEP 01	100710	20.5	18.5	1014.7	4	071	11.6	58		260	ATBS
CTD		JD/TIME		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS				
TYPE & SN	DATA ON	START DOWN	AT DEPTH	AT SURFACE	PAR	FLUOR	CHIAM	TRANSMISSOMETER	Cleaned air bleed valve	MAX. DEPTH = 251 m				
TEMP SN														
COND SN														
TEMP SN														
POS.	TRIP DEPTH	PRESSURE	PPL TEMP.	SEC. TEMP.	SALINITY	SALINITY	SALINITY	SAMPLE BOTTLE DATA	SAMPLE BOTTLE NUMBER	SAL.	NUTR.	CHL.	WHIT'S NUTR.	
1	250	2058m								46	946			
2	225										947			
3	200										946			
4	200										949			
5	175										950			
6	150										951			
7	100										952			
8	75										953			
9	50										954			
10	25										955			
11	0										956			
12														

redundant sample

VESSEL		PROJECT & LEG		STATION DESIGNATION																				
MILLER FREEMAN		M.F.O.I.-11																						
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					
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)			(deg)	(m/s)		(m)						
029	59	34.17	N	149	11	51	W	28	SEP	01	05	45	10	80	9.0	01	37	085	18	79	8	2	11	6A2B
CTD				TIMES				JD/TIME				DATA LOCATION				REMARKS								
TYPE & SN		DATA ON		START DOWN		AT DEPTH		AT SURFACE		Tape/Diskette ID		File Name/Header		MAX. DEPTH = m										
PRESS SN		TEMP SN		COND SN		TEMP SN		<input checked="" type="checkbox"/> PAR <input checked="" type="checkbox"/> FLUOR <input type="checkbox"/> CHAM <input type="checkbox"/> TRANSMISSOMETER <input type="checkbox"/> Cleaned air bleed valve		SAMPLE BOTTLE DATA				SAMPLE BOTTLE NUMBER										
POS.	TRIP DEPTH	PRESSURE		PRIL TEMP.		SEC. TEMP.		SALINITY		SALINITY		SALINITY		SAL	NUTR	CHL	WHIT'S NUTR.							
1																								
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

VESSEL MILLER FREEMAN		PROJECT & LEG MFOI-11		STATION DESIGNATION GPP-36A																	
CONSC CAST #		44.8		LONGITUDE		52.09		DATE JD=		TIME (GMT)		WIND DIRN.		WIND SPD.		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
DEG MIN		N 150.5		DEG MIN		W 28.5		DAY MO YR		HR MIN		(deg)		(m/s)		.		.		GPP36	
CTD		TIMES		JD/TIME		JD/TIME		Tape/Diskette ID		File No.		DATA LOCATION		REMARKS		CTD unit was found powered mode from memory case 76 hrs ago, pumps OK?		WX DEPTH =		m	
TYPE & SN		DATA ON		START DOWN		AT DEPTH		AT SURFACE		PAR		FLUOR		CHAM		T		WHT'S		NUTR.	
PRESS SN		TEMP SN		COND SN		TEMP SN		CITD CONVERTED MONITOR VALUES		PRESSURE		WET BULB		DRY BULB		SEA STATE		VISIBILITY		CLOUD (amt)	
POS. TRIP DEPTH		PRESSURE		PPL TEMP.		SEC. TEMP.		BOT		1		2		3		4		5		6	
7		8		9		10		11		12		13		14		15		16		17	

dec unit left on pumps showed off 6 hrs immediately picked up errors and dropped terminated cast - tried restart no go

MF-01-11
CTD030
GPP-36A

120m (virtual deployment)

1010

1011

1012

1013

1014

1015

1016

1017

1018

1019

1020

1021

1022

1023

1024

1025

1026

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1047

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1049

1050

VESSEL		PROJECT & LEG		STATION DESIGNATION												
MILLER FREEMAN		M F 01-11		GP4												
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	PRESSURE (mb)	SEA STATE	VISIBILITY	WIND DIRN (deg)	WIND SPD. (m/s)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
0325852	40 N	150 54.20 W	29 SEP 01	01 04	10.3	08.8	994.7	7	020	20	865				164	GP4
CTD	TIMES		JD/TIME		DATA LOCATION			REMARKS								
TYPE & SN	DATA ON		Tape/Diskette ID		File Name/Header											
PRESS SN	START DOWN															
TEMP SN	AT DEPTH															
COND SN	AT SURFACE															
TEMP SN	PAR		FLUOR		CHAM		TRANSMISSOMETER		Cleaned air bleed valve		MAX. DEPTH = m					
POS.	TRIP DEPTH	CTD CONVERTED MONITOR VALUES		SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER										
1	140	PRESSURE	PRI TEMP.	SEC. TEMP.	SALINITY		SALINITY		SAL	NUTR.	CHL	WHT's NUTR.				
2	20				11						283					
3	15										283					
4	16										283					
5	5										285					
6																
7																
8																
9																
10																
11																
12																

VESSEL MILLER FRESHMAN		PROJECT & LEG MFOI-11				STATION DESIGNATION GP36																									
CONSC CAST #		LATITUDE 38.62		LONGITUDE 52.22		DATE JD= 29 SEP 01		TIME (GMT) 024510		DRY BULB (°C) 10.0		WET BULB (°C) 8.2		PRESSURE (mb) 994.6		SEA STATE 4		VISIBILITY 6		WIND DIRN (deg) 015		WIND SPD. (m/s) 22		CLOUD (amt) 8		WEATHER 76		BOTTOM DEPTH (m) 17		STA. NAME/ID GFB36	
CTD 91660		TIMES		JD/TIME		DATA ON		START DOWN		AT DEPTH		AT SURFACE		DATA LOCATION		REMARKS															
TYPE & SN		DATA ON		Tape/Diskette ID		File Name/Header																									
PRESS SN 29772																															
TEMP SN 710																															
COND SN 915/530																															
TEMP SN 884																															
TRIP DEPTH		PRESSURE		PRI TEMP.		SEC. TEMP.		SALINITY		SALINITY		SALINITY		SAL.		NUTR.		NUTR.		CHL.		WHIT'S NUTR.									
1 BOT		170																													
2 150																															
3 100																															
4 50																															
5 sfc																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

PAR FLOR CHAM TRANSMISSOMETER cleaned air bleed valve

CTD CONVERTED MONITOR VALUES

MAX DEPTH = 174 m

