





VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION															
NOAA Ship MILLER FREEMAN		MF-01-1 leg 2																			
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)	TYPE	WEATHER	BOTTOM DEPTH	STATION NAME / ID
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR												
0035	656130	16	35	11	15	07	52	01	08	21	3.2	2.8	1737	37	130	26	28			69	
SBE 9+		91660		TIMES		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS									
PRESS SN		29772		DATA ON								Soreak's bottles are labelled CTD02									
PRI TEMP SN		710		START DOWN								This cast is next wave #5 one									
SEC TEMP SN		884		AT DEPTH								Cleaned air bleed valve cast 2 f									
PRI COND SN		304		AT SURFACE								<input type="checkbox"/> MAX. DEPTH (m)									
SEC COND SN		530		PAR S/N=								<input type="checkbox"/> CHLAM S/N=									
CTD CONVERTED MONITOR VALUES																					
POSITION	TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SALINITY	SAMPLE BOTTLE DATA			SAMPLE BOTTLE NUMBER			WHIT'S NUTR							
								SAL	NUTR	CHL	SAL	NUTR	CHL								
1	60						32.2466	17						10ab							
2	50													50							
3	30													30							
4	20													20							
5	10													70							
6	0													0							
7																					
8																					
9																					
10																					
11																					
12																					

17 (CTD02)

VESSEL		PROJECT & LEG				DSDB I.D.				STATION DESIGNATION														
NOAA Ship MILLER FREEMAN		MF-01-1 leg 1																						
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)	TYPE	WEATHER	BOTTOM DEPTH	STATION NAME / ID		
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN														
	456	45	99	164	21	7	Feb	2011	11	18	4.2	2.4	1441	447	10	20	842				73	00H		
SBE 9+		91660		TIMES		DATE LOCATION			File Name/Header		REMARKS													
PRESS SN		29772		Tape/Diskette ID							102													
PRI TEMP SN		710		START DOWN							<input checked="" type="checkbox"/> Cleaned air bleed valve													
SEC TEMP SN		884		AT DEPTH							MAX. DEPTH (m)													
PRI COND SN		304		AT SURFACE							ChLAM S/N=													
SEC COND SN		530		PAR S/N=							FLUOR S/N=													
											SAMPLE BOTTLE NUMBER													
											SAMPLE BOTTLE DATA													
POSITION	TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	SALINITY	NUTR	CHL	WHIT'S NUTR	
1	10m 6.7																							10ab
2	150'																							50
3	40'																							30
4	30'																							20
5	20'																							0
6	10'																							
7	0																							
8																								
9																								
10																								
11																								
12																								

27DD3

Correctly

possibly 2 at bottom?



VESSEL <b>NOAA Ship MILLER FREEMAN</b>				PROJECT & LEG <b>MF-01-1 leg 1</b>				DSDB I.D.				STATION DESIGNATION <b>INE of M3</b>																					
CONSECUTIVE #		LATITUDE		LONGITUDE		DATE		TIME		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRECTION		WIND SPEED		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STATION NAME / ID	
		DEG MIN		DEG MIN		DAY MO YR		HR MIN		°C		°C		mb						deg		m/s						m					
65610.08N		16605.94W		07 FEB 01		2248		3.8		3.0		1647		1652		F81				106								106		6			
SBE 9+		91660		TIMES		DATA LOCATION		DATA ID		File Name/Header																							
PRESS SN		29772		DATA ON		Tape/Diskette ID																											
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=																											
POSITION		TRIP DEPTH		PRESSURE		PRIMARY TEMP		SECONDARY TEMP		SALINITY		SALINITY		SALINITY		SAL		NUTR		CHL		WHIT'S NUTR											
1		100										32.9		482								bom		75									
2		75																						50									
3		50																						-									
4		40																						30									
5		30																						20									
6		20																						10									
7		10																						0									
8		0																															
9																																	
10																																	
11																																	
12																																	

Cleaned air bleed valve

MAX. DEPTH (m)

ChLAM S/N=

FLUOR S/N=

PAR S/N=

CTD CONVERTED MONITOR VALUES

SAMPLE BOTTLE DATA

SAMPLE BOTTLE DATA

SAMPLE BOTTLE DATA

SAMPLE BOTTLE DATA

SAMPLE BOTTLE DATA

SAMPLE BOTTLE DATA

05

05

05

05

05

05

Chd026

Chd026

Chd026

Chd026

Chd026

Chd026







VESSEL <b>NOAA Ship MILLER FREEMAN</b>		PROJECT & LEG <b>MF-01-1 leg 2</b>		DSDB I.D.		STATION DESIGNATION <b>5 of ma 009</b>																																
CONSECUTIVE CAST #	LATITUDE		LONGITUDE		DATE		TIME		GMT		WET BULB		DRY BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRECTION		WIND SPEED		CLOUD (amt)		WEATHER		BOTTOM DEPTH		STATION NAME / ID							
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	°C	°C	mb	deg	m/s	deg	m/s	deg	m/s	deg	m/s	deg	m/s	deg	m/s	deg	m/s	deg	m/s	deg	m/s	deg	m/s						
95639.88	16352.24	9	Feb	01	09	40	1.2	0.0	0.2	1.5	7	26	1	75	9																							
SBE 9+		DATA ON		Tape/Diskette ID		File Name/Header		DATA LOCATION		FLUOR S/N=		CLEANED AIR BLEED VALVE		MAX. DEPTH (m)		CHLAM S/N=		SAMPLE BOTTLE NUMBER		SAMPLE BOTTLE DATA		SALINITY		SAL		NUTR		CHL		WHIT'S		NUTR						
PRESS SN	91660	START DOWN																																				
PRI TEMP SN	29772	AT DEPTH																																				
SEC TEMP SN	710	AT SURFACE																																				
PRI COND SN	884																																					
SEC COND SN	304																																					
	530																																					

POSITION	CTD CONVERTED MONITOR VALUES											
	TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SALINITY	SAL	NUTR	CHL	WHIT'S	NUTR
1	65				32.2110			24				600
2	50											50
3	30											30
4	20											20
5	10											10
6	0											0
7												
8												
9												
10												
11												
12												

CH009

24

65



VESSEL		PROJECT & LEG				DSDB I.D.				STATION DESIGNATION											
NOAA Ship MILLER FREEMAN		MF-01-1 leg 2								N of Moor 2											
CONSECUTIVE #	LATITUDE		LONGITUDE		DATE			TIME		DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED	CLOUD (amt)	WEATHER	BOTTOM DEPTH	STATION NAME / ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	°C	°C	mb		deg	m/s						
11	57	01.05	164	12.78	08	Feb	69	11	33	2.9	0.8	23.6	7	242	20	48			69	11	
SBE 9+		91660		TAPES/DISKETTE ID		DATA LOCATION		File Name/Header													
PRESS SN		29772		Tape/Diskette ID		DATA ON															
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=		CLEANED AIR BLEED VALVE													
POSITION	TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SAMPLE BOTTLE DATA				SAMPLE BOTTLE NUMBER										
							SAL	NUTR	CHL	NUTR	SAL	NUTR	CHL	NUTR							
1	60				32.2620		71														
2	50																				
3	30																				
4	20																				
5	10																				
6	0																				
7																					
8																					
9																					
10																					
11																					
12																					

Max  
Cox  
0.07

710

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION																	
NOAA Ship MILLER FREEMAN		MF-01-1 leg 1				Model 2																	
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		
	125653.51	16	40	08	Feb	01	14	44	2.9	0.8	23	6	7	2	2	2	4	8	1	7	1	12	
SBE 9+		91660		TIMES		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS											
PRESS SN		29772		DATA ON																		61	
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=																			
				CTD CONVERTED MONITOR VALUES																			
POSITION	TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SAMPLE BOTTLE DATA				SAMPLE BOTTLE NUMBER												
							SAL	NUTR	CHL	NUTR	SAL	NUTR	CHL	NUTR									
1	60				32.2194		16																
2	50																						
3	30																						
4	20																						
5	10																						
6	0																						
7																							
8																							
9																							
10																							
11																							
12																							

Ctd012





VESSEL NOAA Ship MILLER FREEMAN		PROJECT & LEG MF-01-1 leg 1		DSDDB I.D.		STATION DESIGNATION M12																																									
CONSECUTIVE CAST #		LATITUDE		LONGITUDE		DATE		TIME		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRECTION		WIND SPEED		CLOUD (amt)		WEATHER		BOTTOM DEPTH		STATION NAME / ID																	
15		30.48N		164.59W		09 FEB 01		1200		3.0		1.0		1020		H		135		138		72		F		79																					
SBE 9+		91660		29772		DATA ON		Tape/Diskette ID		File Name/Header		MAX. DEPTH (m)		ChLAM S/N=		SAMPLE BOTTLE NUMBER		SALINITY		SALINITY		SAL		NUTR		CHL		WHIT'S NUTR																			
PRESS SN		710		884		304		530		FLUOR S/N=		DATA		32.1624		28		0		50		20		0																							
PRI TEMP SN		884		304		530		PAR S/N=		CTD CONVERTED MONITOR VALUES		PRIMARY TEMP		SECONDARY TEMP		PRESSURE		PRESSURE		TRIP DEPTH		POSITION		1		2		3		4		5		6		7		8		9		10		11		12	
SEC TEMP SN		884		304		530		FLUOR S/N=		CTD CONVERTED MONITOR VALUES		PRIMARY TEMP		SECONDARY TEMP		PRESSURE		PRESSURE		TRIP DEPTH		POSITION		1		2		3		4		5		6		7		8		9		10		11		12	
PRI COND SN		304		530		FLUOR S/N=		CTD CONVERTED MONITOR VALUES		PRIMARY TEMP		SECONDARY TEMP		PRESSURE		PRESSURE		TRIP DEPTH		POSITION		1		2		3		4		5		6		7		8		9		10		11		12			
SEC COND SN		530		FLUOR S/N=		CTD CONVERTED MONITOR VALUES		PRIMARY TEMP		SECONDARY TEMP		PRESSURE		PRESSURE		TRIP DEPTH		POSITION		1		2		3		4		5		6		7		8		9		10		11		12					

Case 28 ✓ ✓ ✓ ✓

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION																											
NOAA Ship MILLER FREEMAN		MF-01-1 leg 1				16																											
CONSECUTIVE CAST #	LATITUDE		LONGITUDE		DATE		TIME		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRECTION		WIND SPEED		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STATION NAME / ID		
	16	56	23	29	09	09	21	44	11.0	1.0	1.0	1.0	75.6	20	18	77	88																
SBE 9+		91660		Tape/Diskette ID		DATA LOCATION		File Name/Header																									
PRESS SN		29772		START DOWN																													
PRI TEMP SN		710		AT DEPTH																													
SEC TEMP SN		884		AT SURFACE																													
PRI COND SN		304		PAR S/N=																													
SEC COND SN		530		FLUOR S/N=																													
CTD CONVERTED MONITOR VALUES																																	
POSITION	TRIP DEPTH	PRESSURE		PRIMARY TEMP		SECONDARY TEMP		SALINITY		SALINITY		SALINITY		SAL		NUTR		CHL		WHITS		NUTR											
1	100	100												9		9				100		50											
2	50																					50											
3	20																					20											
4	0																					0											
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Ch016

80

Cleaned air bleed valve

MAX DEPTH (m)

ChLAM S/N=

FLUOR S/N=

CTD CONVERTED MONITOR VALUES

SAMPLE BOTTLE DATA

SAMPLE BOTTLE

SAMPLE BOTTLE NUMBER

SALINITY

32.5891

SAL

9

NUTR

100

CHL

50

WHITS

20

NUTR

0



VESSEL		PROJECT & LEG		DSD8 I.D.		STATION DESIGNATION		
NOAA Ship MILLER FREEMAN		MF-01-1 leg 1				17		
CONSECUTIVE CAST #	LATITUDE		LONGITUDE		TIME		WET BULB	
	DEG	MIN	DEG	MIN	GMT	DRY BULB	WET BULB	°C
17	16	43	165	46	19	11.5	11.5	
1856	16	39	09	Feb	01	23	19	
SBE 9+	91660		TAPES/DISKETTE ID		DATA LOCATION		REMARKS	
PRESS SN	29772		Tape/Diskette ID		File Name/Header		85	
PRI TEMP SN	710						<input type="checkbox"/> Cleaned air bleed valve	
SEC TEMP SN	884						MAX. DEPTH (m)	
PRI COND SN	304						ChLAM S/N=	
SEC COND SN	530						FLUOR S/N=	
	PAR S/N=						SAMPLE BOTTLE NUMBER	
	CTD CONVERTED MONITOR VALUES						13 CTD07	
POSITION	PRESSURE		PRIMARY TEMP		SECONDARY TEMP		SALINITY	
	TRIP DEPTH							
1	87							
2	50						32.7240	
3	20							50
4	0							20
5								0
6								
7								
8								
9								
10								
11								
12								