

DATA

BS-2 EAST

726
911
108
53

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION																							
NOAA Ship MILLER FREEMAN		MF-05-06		3-1		KC-1																							
CONSECUTIVE CAST #		LATITUDE		LONGITUDE		TIME		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRECTION		WIND SPEED		CLOUD (amt)		TYPE		WEATHER		BOTTOM STATION	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		°C		°C		mb		deg		m/s													
0035625.31		16013.97		22 APR 05		1713		14.5				13		347		19													
SBE 9+ 91220A		DATA ON		Tape/Diskette ID		File Name/Header																							
PRESS SN 1220A		START DOWN																											
PRI TEMP SN 710		AT DEPTH																											
SEC TEMP SN 884		AT SURFACE																											
PRI COND SN 915		PAR SN=		4 2 4 2		FLUOR SN=		6 7 8																					
SEC COND SN 304																													

[illegible]

SS 2007

CONSECUTIVE CAST #		LATITUDE		LONGITUDE		DATE		TIME GMT		DRY BULB °C		WET BULB °C		PRESSURE mb		SEA STATE		VISIBILITY		WIND DIRECTION deg		WIND SPEED m/s		CLOUD (amt)		TYPE WEATHER		BOTTOM STATION DEPTH NAME / ID	
SBE 9+		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	°C	°C	mb			deg	m/s												
PRESS SN	91220A																												
PRI TEMP SN	1220A																												
SEC TEMP SN	710																												
PRI COND SN	884																												
SEC COND SN	915																												
	304																												

3255

[illegible]

張山

[illegible]

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION												
NOAA Ship MILLER FREEMAN		MF-05-06		8-1		BSA												
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
00856511	DEG MIN	67	DEG MIN	16403.76	DAY	MO	YR	HR	MIN	°C	°C	mb	deg	m/s			72	
SSE 9+	91220A		TIMES		DATA LOCATION		REMARKS											
PRESS SN	1220A		DATA ON		Tape/Diskette ID		File Name/Header											
PRI TEMP SN	710		START DOWN															
SEC TEMP SN	884		AT DEPTH															
PRI COND SN	915		AT SURFACE															
SEC COND SN	304		PAR S/N=		4 2 4 2		FLUOR S/N=		6 7 8									
CTD CONVERTED MONITOR VALUES																		
POSITION	TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SAMPLE BOTTLE	SAMPLE BOTTLE NUMBER										
1	658	167m						01										X384
2	50																	X256
3	40																	X330
4	30																	X1786
5	24																	X289
6	24																	X289
7	20																	X1736
8	12	DID NOT TRIP																X289
9	12																	X1551
10	10																	X1521
11	0																	
12																		

X300
G1753
trip

VESSEL		NOAA Ship MILLER FREEMAN				PROJECT & LEG		MF-05-06		DSDB I.D.		STATION DESIGNATION	
CONSECUTIVE CAST #		LATITUDE		LONGITUDE		DATE		TIME		DRY		WET	
DEG		MIN		DEG		MIN		DAY		MO		YR	
0095240.84		16934.54		25		APR		05		17		30	
SSE 9+		91220A		TIMES		DATA LOCATION		PRESSURE		SEA STATE		VISIBILITY	
PRESS SN		1220A		DATA ON		Tape/Diskette ID		File Name/Header		WIND DIRECTION		WIND SPEED	
PRI TEMP SN		710		START DOWN						CLOUD (amt)		TYPE	
SEC TEMP SN		884		AT DEPTH						WEATHER		BOTTOM STATION	
PRI COND SN		915		AT SURFACE						DEPTH		NAME / ID	
SEC COND SN		304		PAR S/N=		4 2 4 2		FLUOR S/N=		6 7 8			
POSITION		TRIP DEPTH		PRESSURE		PRIMARY TEMP		SECONDARY TEMP		SALINITY		SALINITY	
1		97											
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

CTD CONVERTED MONITOR VALUES

SAMPLE BOTTLE

SAMPLE BOTTLE NUMBER

REMARKS

Cleaned air bleed valve

MAX. DEPTH (m)

CHLAM S/N=

SC-4

after recovery of SC-4

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION												
NOAA Ship MILLER FREEMAN		MF-05-06		10-1		Alaskan Stream Line												
CONSECUTIVE CAST #	LATITUDE		LONGITUDE		DATE	TIME GMT	DRY BULB °C	WET BULB °C	PRESSURE mb	SEA STATE	VISIBILITY	WIND DIRECTION deg	WIND SPEED m/s	CLOUD (amt)	WEATHER TYPE	BOTTOM DEPTH	STATION NAME / ID	
0105113.76N	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	5.0	3.7	995	606	32	88	7300		
SBE 9+ 91220A	91220A		TIMES		DATA LOCATION		Tape/Diskette ID		File Name/Header		REMARKS							
PRESS SN 1220A	DATA ON		START DOWN		AT DEPTH		AT SURFACE		PAR S/N= 4 2 4 2		FLUOR S/N= 6 7 8		MAX DEPTH (m) 1500		CLEANED AIR BLEED VALVE		RAIN	
PRI TEMP SN 710	DATA ON		START DOWN		AT DEPTH		AT SURFACE		PAR S/N= 4 2 4 2		FLUOR S/N= 6 7 8		MAX DEPTH (m) 1500		CLEANED AIR BLEED VALVE		RAIN	
SEC TEMP SN 884	DATA ON		START DOWN		AT DEPTH		AT SURFACE		PAR S/N= 4 2 4 2		FLUOR S/N= 6 7 8		MAX DEPTH (m) 1500		CLEANED AIR BLEED VALVE		RAIN	
PRI COND SN 915	DATA ON		START DOWN		AT DEPTH		AT SURFACE		PAR S/N= 4 2 4 2		FLUOR S/N= 6 7 8		MAX DEPTH (m) 1500		CLEANED AIR BLEED VALVE		RAIN	
SEC COND SN 304	DATA ON		START DOWN		AT DEPTH		AT SURFACE		PAR S/N= 4 2 4 2		FLUOR S/N= 6 7 8		MAX DEPTH (m) 1500		CLEANED AIR BLEED VALVE		RAIN	
CTD CONVERTED MONITOR VALUES																		
POSITION	TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SALINITY	SAL	NUTR	CHL	WHIT'S	SAMPLE BOTTLE NUMBER						
1	1501							63										
2	1500																	
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

VESSEL		PROJECT & LEG		DSDBI.D.		STATION DESIGNATION		
NOAA Ship MILLER FREEMAN		MF-05-06		11-1		AMUNDIA PASS EAST		
CONSECUTIVE CAST #	LATITUDE		LONGITUDE		DATE		TIME	
DEG MIN	DEG MIN	DAY	MO	YR	HR	MIN	GMT	
011 51 30.8 14	1 70 11.8 88 02	6	APR	20	5	11	56	
SBE 9+ PRESS SN 91220A	PRI TEMP SN 710	SEC TEMP SN 884	PRI COND SN 915	SEC COND SN 304	DATA ON			DATA LOCATION
				Tape/Diskette ID		File Name/Header		
				PAR SN= 4 2 4 2		FLUOR SN= 6 7 8		
				CTD CONVERTED MONITOR VALUES		MAX. DEPTH (m) 853		
				CLEANED AIR BLEED VALVE		CHLAM SN=		
POSITION	TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SAMPLE BOTTLE DATA	
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

CTD was started out cast extended at 853 m
no cast same location is CTD 12

depth 071 chart
Rain

REMARKS

WIND SPEED 288
CLOUD (amt) 4209
WEATHER
BOTTOM STATION DEPTH NAME / ID

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION	
NOAA Ship MILLER FREEMAN		MF-05-06		11-2		ANNUAL PASS EAST	
CONSECUTIVE CAST #		LATITUDE		LONGITUDE		DATE	
DEG MIN		DEG MIN		DAY MO YR		TIME GMT	
01 25 13 01 90 14		17 01 11 79 02 6		APR 05 17 07		6.0 °C	
SBE 9+ PRESS SN 91220A		DATA ON		TIMES		DATA LOCATION	
PRI TEMP SN 1220A		START DOWN				Tape/Diskette ID File Name/Header	
SEC TEMP SN 710		AT DEPTH				CTD 012	
PRI COND SN 884		AT SURFACE				MAX. DEPTH (m) 15.01	
SEC COND SN 915		PAR S/N= 4 2 4 2		FLUOR S/N= 6 7 8		ChLAM S/N=	
CTD CONVERTED MONITOR VALUES							
POSITION		TRIP DEPTH		PRESSURE		PRIMARY TEMP	
1 1501							
2 1502							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
SAMPLE BOTTLE		SALINITY		SALINITY		SAL	
DATA						59	
SAMPLE BOTTLE NUMBER							
REMARKS		Depths off chart		Cleaned air bleed valve		Rain	
WIND SPEED		2.28		WIND DIRECTION		42.15	
SEA STATE				VISIBILITY			
CLOUD (amt)				WIND			
TYPE				WEATHER			
BOTTOM STATION				DEPTH			
NAME / ID							

VESSEL

PROJECT & LEG

DSDB I.D.

STATION DESIGNATION

NOAA Ship MILLER FREEMAN

MF-05-06

15

AMIKTA PASS EAST

[illegible]

AMIKTA PASSPORT

[illegible]

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION																											
NOAA Ship MILLER FREEMAN		MF-05-06		16-1																													
CONSECUTIVE CAST #		LATITUDE		LONGITUDE		DATE		TIME		DRY		WET		PRESSURE		SEA STATE		VISIBILITY		WIND DIRECTION		WIND SPEED		CLOUD (amt)		TYPE		WEATHER		BOTTOM		STATION	
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		°C		°C		mb		deg		m/s							
0175220.07		17032.15		27		APR		05		04		31		6.3		4.8		94		12022		506											
SBE 9+		91220A		DATA ON		TIMES		DATA LOCATION		Tape/Diskette ID		File Name/Header																					
PRESS SN		1220A		START DOWN																													
PRI TEMP SN		710		AT DEPTH																													
SEC TEMP SN		884		AT SURFACE																													
PRI COND SN		915		PAR SN=		4 2 4 2		FLUOR SN=		6 7 8																							
SEC COND SN		304		MAX. DEPTH (m)				ChLAM S/N=																									

NOAA Ship MILLER FREEMAN

MF-05-06

17

Alaska Stream

[illegible]

VESSEL

PROJECT & LEG

DSDB I.D.

STATION DESIGNATION

NOAA Ship MILLER FREEMAN

MF-05-06

8

Amarkt Pass

[illegible]

VESSEL		NOAA Ship MILLER FREEMAN				PROJECT & LEG		MF-05-06		DSDB I.D.		19-1		STATION DESIGNATION	
CONSECUTIVE CAST #		LATITUDE		LONGITUDE		DATE		TIME		DRY		WET		PRESSURE	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		GMT		BULB °C		BULB °C		mb	
02052251.49		1220A		91220A		1220A		710		884		915		304	
SBE 9+		DATA ON		TIMES		DATA LOCATION		Tape/Diskette ID		File Name/Header		Cleaned air bleed valve		MAX. DEPTH (m) 501	
PRESS SN		START DOWN												CHLAM S/N=	
PRI TEMP SN		AT DEPTH													
PRI COND SN		AT SURFACE													
SEC COND SN		PAR S/N=		4 2 4 2		FLUOR S/N=		6 7 8							
CTD CONVERTED MONITOR VALUES															
POSITION		TRIP DEPTH		PRESSURE		PRIMARY TEMP		SECONDARY TEMP		SALINITY		SALINITY		SAL	
1		500												96	
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
SAMPLE BOTTLE DATA															
SAMPLE BOTTLE NUMBER															
REMARKS															
509															

NOAA Ship MILLER FREEMAN

MF-05-06

02

Amakta par

[illegible]

VESSEL NOAA Ship MILLER FREEMAN				PROJECT & LEG MF-05-06				DSDB I.D. 21-1				STATION DESIGNATION Amuckto Pass																					
CONSECUTIVE CAST #		LATITUDE		LONGITUDE		DATE		TIME GMT		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	
0225222.66		N 17 20 7.63		W 27 09 22.2		APR 05 1922		5.5		4.9		89.5		7.1		92.4		8		37.8													
SBE 9+ PRESS SN PRI TEMP SN PRI COND SN SEC COND SN		91220A 1220A 710 884 915 304		DATA ON START DOWN AT DEPTH AT SURFACE		TIMES Tape/Diskette ID File Name/Header		DATA LOCATION		Cleaned air bleed valve		MAX. DEPTH (m) 376		ChLAM SN=																			
POSITION		TRIP DEPTH		PRESSURE		PRIMARY TEMP		SECONDARY TEMP		SALINITY		SALINITY		SAL		NUTR		CHL		WHIT'S													
1		375												109																			
2																																	
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

CTD CONVERTED MONITOR VALUES

REMARKS

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION																							
NOAA Ship MILLER FREEMAN		MF-05-06		22-1		AMUNTA PASS WEST																							
CONSECUTIVE CAST #		LATITUDE		LONGITUDE		DATE		TIME GMT		DRY BULB °C		WET BULB °C		PRESSURE mb		SEA STATE		VISIBILITY deg		WIND DIRECTION m/s		WIND SPEED m/s		CLOUD (amt)		TYPE WEATHER		BOTTOM DEPTH NAME / ID	
0235155.02		17331.02		27 APR 05		2154		5.6		4.5		98		23122				116											
SBE 9+		91220A		TIMES		DATA LOCATION		Tape/Diskette ID		File Name/Header																			
PRESS SN		1220A		START DOWN																									
PRI TEMP SN		710		AT DEPTH																									
SEC TEMP SN		884		AT SURFACE																									
PRI COND SN		915		PAR S/N=		4 2 4 2		FLUOR S/N=		6 7 8																			
SEC COND SN		304																											

VESSEL

PROJECT & LEG

DSDB I.D.

STATION DESIGNATION

[illegible]

VESSEL NOAA Ship MILLER FREEMAN				PROJECT & LEG MF-05-06				DSDB I.D. 24-1				STATION DESIGNATION																			
CONSECUTIVE CAST #		LATITUDE		LONGITUDE		DATE		TIME GMT		DRY BULB °C		WET BULB °C		PRESSURE mb		SEA STATE		VISIBILITY		WIND DIRECTION deg		WIND SPEED m/s		CLOUD (amt)		TYPE		WEATHER		BOTTOM STATION DEPTH NAME / ID	
0255150.26		17330.21		27 APR 05 2350		5.6		5.502		21823		1595																			
SBE 9+ PRESS SN PRI TEMP SN SEC TEMP SN PRI COND SN SEC COND SN		91220A 1220A 710 884 915 304		DATA ON START DOWN AT DEPTH AT SURFACE		Tape/Diskette ID File Name/Header		DATA LOCATION		<input type="checkbox"/> Cleaned air bleed valve MAX DEPTH (m) CHLAM S/N=		REMARKS NO PAR OR WET START																			
POSITION		TRIP DEPTH		PRESSURE		PRIMARY TEMP		SECONDARY TEMP		SALINITY		SALINITY		SAL		NUTR		CHL		WHIT's											
1		15.06																													
2																															
3																															
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

CTD CONVERTED MONITOR VALUES

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION	
NOAA Ship MILLER FREEMAN		MF-05-06		25-1			
CONSECUTIVE CAST #		LATITUDE		LONGITUDE		DATE	
DEG MIN		DEG MIN		DAY MO YR		TIME GMT	
0265144.86		17330.26		28 APR 05		0909	
SBE 9+ PRESS SN 1220A		DATA ON		Tape/Diskette ID		File Name/Header	
PRI TEMP SN 710		START DOWN					
SEC TEMP SN 884		AT DEPTH					
PRI COND SN 915		AT SURFACE					
SEC COND SN 304		PAR S/N= 4 2 4 2		FLUOR S/N= 6 7 8		MAX DEPTH (m) 1365	
CTD CONVERTED MONITOR VALUES		CHLAM S/N=				REMARKS	
CTD Stem attached hard to deck		Cleared air bleed valve		1315		w/o 1545m 1365	
POSITION		TRIP DEPTH		PRESSURE		PRIMARY TEMP	
1 150m							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
SAMPLE BOTTLE		DATA		SALINITY		SAL NUTR CHL WHITS	
SAMPLE BOTTLE NUMBER							

* Conductor ocean drag @ 1365m - drag was stuck as CTD 20m - use
 brought CTD up to 1315m & released. Spat - this was raised 10m

VESSEL		NOAA Ship MILLER FREEMAN		PROJECT & LEG		MF-05-06		DSDB I.D.		26-1		STATION DESIGNATION	
CONSECUTIVE #		LATITUDE		LONGITUDE		DATE		TIME		DRY BULB		WET BULB	
DEG		MIN		DEG		MIN		DAY		MO		YR	
02		27		13		02		17		03		21	
SBE 9+		91220A		TIMES		DATA ON		Tape/Diskette ID		File Name/Header		DATA LOCATION	
PRESS SN		1220A		START DOWN		AT DEPTH		AT SURFACE		PAR SN=		4 2 4 2	
PRI TEMP SN		710		DATA ON		Tape/Diskette ID		File Name/Header		MAX. DEPTH (m)		1566 m/s	
SEC TEMP SN		884		AT DEPTH		AT SURFACE		PAR SN=		FLUOR SN=		6 7 8	
PRI COND SN		915		AT SURFACE		PAR SN=		FLUOR SN=		CHLAM SN=		CTD CONVERTED MONITOR VALUES	
SEC COND SN		304		AT SURFACE		PAR SN=		FLUOR SN=		CHLAM SN=		CTD CONVERTED MONITOR VALUES	
POSITION		TRIP DEPTH		PRESSURE		PRIMARY TEMP		SECONDARY TEMP		SALINITY		SALINITY	
1		1503											
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
SAMPLE BOTTLE		DATA		SAMPLE BOTTLE		SALINITY		SAL		NUTR		CHL	
SAMPLE BOTTLE NUMBER		DATA		SAMPLE BOTTLE		SALINITY		SAL		NUTR		CHL	
REMARKS		1566 m/s		CLEANED AIR BLEED VALVE		MAX. DEPTH (m)		CHLAM SN=		CTD CONVERTED MONITOR VALUES		STATION DESIGNATION	
DEPT		MIN		DEPT		MIN		DAY		MO		YR	
02		27		13		02		17		03		21	
SBE 9+		91220A		TIMES		DATA ON		Tape/Diskette ID		File Name/Header		DATA LOCATION	
PRESS SN		1220A		START DOWN		AT DEPTH		AT SURFACE		PAR SN=		FLUOR SN=	
PRI TEMP SN		710		DATA ON		Tape/Diskette ID		File Name/Header		MAX. DEPTH (m)		1566 m/s	
SEC TEMP SN		884		AT DEPTH		AT SURFACE		PAR SN=		FLUOR SN=		CHLAM SN=	
PRI COND SN		915		AT SURFACE		PAR SN=		FLUOR SN=		CHLAM SN=		CTD CONVERTED MONITOR VALUES	
SEC COND SN		304		AT SURFACE		PAR SN=		FLUOR SN=		CHLAM SN=		CTD CONVERTED MONITOR VALUES	
POSITION		TRIP DEPTH		PRESSURE		PRIMARY TEMP		SECONDARY TEMP		SALINITY		SALINITY	
1		1503											
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
SAMPLE BOTTLE		DATA		SAMPLE BOTTLE		SALINITY		SAL		NUTR		CHL	
SAMPLE BOTTLE NUMBER		DATA		SAMPLE BOTTLE		SALINITY		SAL		NUTR		CHL	
REMARKS		1566 m/s		CLEANED AIR BLEED VALVE		MAX. DEPTH (m)		CHLAM SN=		CTD CONVERTED MONITOR VALUES		STATION DESIGNATION	

VESSEL				PROJECT & LEG				DSDB I.D.				STATION DESIGNATION			
NOAA Ship MILLER FREEMAN				MF-05-06				23-1							
CONSECUTIVE CAST #		LATITUDE		LONGITUDE		DATE		TIME		DRY BULB		WET BULB		PRESSURE	
		DEG MIN		DEG MIN		MO YR HR MIN		GMT		°C		°C		mb	
060851		29.80		173311.28		28 APR 05 0700		4.5		3.2		135820		0206	
REMARKS															
SBE 9+		91220A		TIMES		DATA LOCATION									
PRESS SN		1220A		DATA ON		Tape/Diskette ID		File Name/Header							
PRI TEMP SN		710		START DOWN											
SEC TEMP SN		884		AT DEPTH											
PRI COND SN		915		AT SURFACE											
SEC COND SN		304		PAR SN=		4 2 4 2		FLUOR SN=		6 7 8					
CTD CONVERTED MONITOR VALUES															
<input type="checkbox"/> Cleaned air bleed valve MAX DEPTH (m) 1502 CHLAM S/N=															
POSITION		TRIP DEPTH		PRESSURE		PRIMARY TEMP		SECONDARY TEMP		SALINITY		SALINITY		SAL. NUTR. CHL. WHIT'S	
		1 1502												31	
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															

CTD CONVERTED MONITOR VALUES

SAMPLE BOTTLE DATA

SAMPLE BOTTLE NUMBER

NOAA Ship MILLER FREEMAN

MF-05-06

28-1

STATION DESIGNATION

[illegible]

[illegible]

VESSEL				PROJECT & LEG				DSDB I.D.				STATION DESIGNATION																					
NOAA Ship MILLER FREEMAN				MF-05-06				30-1																									
CONSECUTIVE CAST #		LATITUDE		LONGITUDE		DATE		TIME		DRY		WET		PRESSURE		SEA STATE		VISIBILITY		WIND DIRECTION		WIND SPEED		CLOUD (amt)		TYPE		WEATHER		BOTTOM		STATION	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		BULB °C		BULB °C		mb		deg		m/s																	
0315043.27		117330.26		28 APR 05		1542		5.5		4.8		21.3		8.1		3.8		1.3		8.1		2.8											
SBE 9+ 91220A				DATA ON				Tape/Diskette ID				File Name/Header				REMARKS																	
PRESS SN 1220A				START DOWN																													
PRI TEMP SN 710				AT DEPTH																													
SEC TEMP SN 884				AT SURFACE																													
PRI COND SN 915				PAR S/N=				4 2 4 2				FLUOR S/N=				6 7 8																	
SEC COND SN 304																																	
				CTD CONVERTED MONITOR VALUES																													
POSITION		TRIP DEPTH		PRESSURE		PRIMARY TEMP		SECONDARY TEMP		SALINITY		SALINITY		SAL		NUTR		CHL		WHITS		NUTR											
1		1501												30																			
2																																	
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Depth of chart

☐ Cleaned air bleed valve

MAX. DEPTH (m) 1501

CHLAM S/N=

CTD CONVERTED MONITOR VALUES

SAMPLE BOTTLE

SAMPLE BOTTLE NUMBER

DATA

VESSEL		NOAA Ship MILLER FREEMAN				PROJECT & LEG		MF-05-06		DSDB I.D.		31-1		STATION DESIGNATION		ARR-1	
CONSECUTIVE CAST #		LATITUDE		LONGITUDE		DATE		TIME		DRY		WET		PRESSURE		SEA STATE	
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN	
0325400.02		16959.87		29		APR		05		20		31		5.0		4.0	
SBE 9+		91220A		TIMES		DATA LOCATION		Tape/Diskette ID		File Name/Header		Cleared air bleed valve		MAX. DEPTH (m)		CHLAM S/N=	
PRESS SN		1220A		DATA ON													
PRI TEMP SN		710		START DOWN													
SEC TEMP SN		884		AT DEPTH													
PRI COND SN		915		AT SURFACE													
SEC COND SN		304		PAR S/N=		4 2 4 2		FLUOR S/N=		6 7 8							
POSITION		TRIP DEPTH		PRESSURE		PRIMARY TEMP		SECONDARY TEMP		SALINITY		SALINITY		SAL		NUTR	
1		946															
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	

160000

VESSEL						PROJECT & LEG						DSDB I.D.						STATION DESIGNATION											
NOAA Ship MILLER FREEMAN						MF-05-06						32-1						Pre number 04 PT7A											
CONSECUTIVE CAST #		LATITUDE		LONGITUDE		DATE		TIME GMT		DRY BULB °C		WET BULB °C		PRESSURE mb		SEA STATE		VISIBILITY deg		WIND DIRECTION m/s		CLOUD (amt)		WEATHER TYPE		BOTTOM DEPTH NAME / ID			
0335	616.56N	169°41'40W	30 APR 05	1451	11.7	11.8	24.3	8	000	15	8	20	5																
SBE 9+ PRESS SN PRI TEMP SN SEC TEMP SN PRI COND SN SEC COND SN		91220A 1220A 710 884 915 304		DATA ON START DOWN AT DEPTH AT SURFACE				Tape/Diskette ID		File Name/Header																			
				TIMES				DATA LOCATION																					

[illegible]

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION	
NOAA Ship MILLER FREEMAN		MF-05-06		34-2			
CONSECUTIVE CAST #	LATITUDE	LONGITUDE	DATE	TIME	DRY BULB	WET BULB	PRESSURE
0355739.04	16900.84	01 MAY 05 1323	2.6	1.5	1.8	0.15	69
SBE 9+	91220A	TIMES	DATA LOCATION				REMARKS
PRESS SN	1220A	DATA ON	Tape/Diskette ID	File Name/Header			
PRI TEMP SN	710	START DOWN					
SEC TEMP SN	884	AT DEPTH					
PRI COND SN	915	AT SURFACE					
SEC COND SN	304	PAR S/N=	4 2 4 2	FLUOR S/N=	6 7 8		
CTD CONVERTED MONITOR VALUES							
POSITION				SAMPLE BOTTLE NUMBER			
TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SAL	NUTR
1 61							67
2 50							66
3 40							65
4 30							64
5 20							63
6 10							62
7 0							61
8							
9							
10							
11							
12							

VESSEL			PROJECT & LEG			DSD B.I.D.			STATION DESIGNATION													
NOAA Ship MILLER FREEMAN			MF-05-06			35-1			64 85-4B Pre season													
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			
0365750.59	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	°C	°C	mb	deg	m/s								
SBE 9+	91220A		TIMES		DATA LOCATION																	
PRESS SN	1220A		DATA ON		Tape/Diskette ID File Name/Header																	
PRI TEMP SN	710		START DOWN																			
SEC TEMP SN	884		AT DEPTH																			
PRI COND SN	915		AT SURFACE																			
SEC COND SN	304		PAR S/N=		4 2 4 2		FLUOR S/N=		6 7 8													
			CTD CONVERTED MONITOR VALUES												MAX. DEPTH (m) 66		Cleaned air bleed valve					
															CHLAM S/N=							
															SAMPLE BOTTLE		SAMPLE BOTTLE NUMBER					
															DATA							
POSITION	TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY		SALINITY		SAL	NUTR	CHL	WHIT'S NUTR										
1	66								5	75		62041										
2	50									74	✓ 283	X 414										
3	40									73	✓ 283	X 403										
4	30									72	✓ 287	X 383										
5	20									71	✓ 289	X 140										
6	13.5									70		53										
7	10									69	✓ 284	52										
8	0									68	✓ 289	45										
9																						
10																						
11																						
12																						

REMARKS

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION	
NOAA Ship MILLER FREEMAN		MF-05-06		35-6		05B54A post deploy	
CONSECUTIVE CAST #	LATITUDE	LONGITUDE	DATE	TIME	DRY	WET	PRESSURE
	DEG MIN	DEG MIN	MO YR	GMT	BULB °C	BULB °C	mb
0375751.44	16851.79	01 MAY 05 2330	0.7	3.0	143	deg	deg
SBE 9+	91220A	TIMES	DATA LOCATION	REMARKS			
PRESS SN	1220A	DATA ON	Tape/Diskette ID	File Name/Header			
PRI TEMP SN	710	START DOWN					
SEC TEMP SN	884	AT DEPTH					
PRI COND SN	915	AT SURFACE					
SEC COND SN	304	PAR S/N=	4 2 4 2	FLUOR S/N=	6 7 8		
CTD CONVERTED MONITOR VALUES				<input type="checkbox"/> Cleaned air bleed valve MAX. DEPTH (m) 65 CHLAM S/N=			
POSITION	TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SAMPLE BOTTLE DATA
1	65						15
2	15						77
3	15						76
4	10.5						289
5							
6							
7							
8							
9							
10							
11							
12							
				SAMPLE BOTTLE NUMBER			
				SAL NUTR CHL WHITS			
				G1762			
				G1752			

NOAA Ship MILLER FREEMAN

MF-05-06

114

STATION DESIGNATION	Sta 36 Road 2
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CONSECUTIVE CAST #		LATITUDE		LONGITUDE		DATE		TIME		DRY		WET		PRESSURE		SEA STATE		VISIBILITY		WIND DIRECTION		WIND SPEED		CLOUD (amt)		TYPE		WEATHER		BOTTOM STATION	
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	BULB °C	BULB °C	mb	deg	m/s												DEPTH	NAME / ID			
6385745.86				16827.97		02	MAY	05	01	25	0.4	0.0	1528	056	098																
SBE 9+		91220A		TIMES		DATA LOCATION		Tape/Diskette ID		File Name/Header																					
PRESS SN		1220A																													
PRI TEMP SN		710																													
SEC TEMP SN		884																													
PRI COND SN		915																													
SEC COND SN		304																													

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION																											
NOAA Ship MILLER FREEMAN		MF-05-06		37-4		05854 corner Sta. 37 Ham																											
CONSECUTIVE CAST #		LATITUDE		LONGITUDE		DATE		TIME		GMT		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRECTION		WIND SPEED		CLOUD (amt)		TYPE		WEATHER		BOTTOM STATION	
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		°C		°C		mb		deg		m/s							
63958		3.92		16843.95		02		May		05		04		41		2.3		2.0		15.33		09		21		8							
SBE 9+		91220A		TIMES																													
PRESS SN		1220A		DATA ON																													
PRI TEMP SN		710		START DOWN																													
SEC TEMP SN		884		AT DEPTH																													
PRI COND SN		915		AT SURFACE																													
SEC COND SN		304		PAR SN=		4 2 4 2		FLUOR SN=		6 7 8																							

VESSEL NOAA Ship MILLER FREEMAN				PROJECT & LEG MF-05-06				DSDB I.D. 38-				STATION DESIGNATION																					
CONSECUTIVE CAST #		LATITUDE		LONGITUDE		DATE		TIME		DRY		WET		PRESSURE		SEA STATE		VISIBILITY		WIND DIRECTION		WIND SPEED		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STATION NAME / ID	
0405755.60	16919.32	02 MAY 05	723	2.8	2.4	1.6	10920	65																									
SBE 9+		91220A		TIMES		DATA LOCATION		Tape/Diskette ID		File Name/Header		MAX. DEPTH (m)		CHLAM S/N=		SAMPLE BOTTLE NUMBER		SAMPLE BOTTLE		DATA		SAL		NUTR		CHL		WHIT's NUTR					
PRESS SN		1220A		DATA ON																													
PRI TEMP SN		710		START DOWN																													
SEC TEMP SN		884		AT DEPTH																													
PRI COND SN		915		AT SURFACE																													
SEC COND SN		304		PAR S/N=		4 2 4 2		FLUOR S/N=		6 7 8																							
POSITION		TRIP DEPTH		PRESSURE		PRIMARY TEMP		SECONDARY TEMP		SALINITY		SALINITY		SAL		NUTR		CHL		WHIT's NUTR													
1	58													51	98		283		61508														
2	50														97		283																
3	40														96		283		1744														
4	30														95		287																
5	20														94		289		1755														
6	10														93		289																
7	0														92		289		1760														
8																																	
9																																	
10																																	
11																																	
12																																	

REMARKS

Cleared air bleed valve

55 w/o

CTD CONVERTED MONITOR VALUES

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION												
NOAA Ship MILLER FREEMAN		MF-05-06		39-1														
CONSECUTIVE CAST #	LATITUDE		LONGITUDE		DATE	TIME	DRY	WET	PRESSURE	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED	CLOUD (amt)	TYPE	WEATHER	BOTTOM	STATION
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	BULB °C	BULB °C	mb	deg	m/s			DEPTH	NAME / ID
04159	53.94	17142.59	02	05	22	02	00	00	00	0.9	3.2	22	45	7			71	
SBE 9+	91220A		TIMES		DATA LOCATION		REMARKS											
PRESS SN	1220A		DATA ON		Tape/Diskette ID		File Name/Header											
PRI TEMP SN	710		START DOWN															
SEC TEMP SN	884		AT DEPTH															
PRI COND SN	915		AT SURFACE															
SEC COND SN	304		PAR S/N=		4 2 4 2		FLUOR S/N=		6 7 8									
CTD CONVERTED MONITOR VALUES																		
<input type="checkbox"/> Cleaned air bleed valve <input type="checkbox"/> MAX. DEPTH (m) CHLAM S/N=																		
SAMPLE BOTTLE NUMBER																		
DATA																		
POSITION	TRIP	DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SAL	NUTR	CHL	WHIT'S							
1	166																	
2	50																	
3	40																	
4	30																	
5	20																	
6	12																	
7	12																	
8	12																	
9	0																	
10																		
11																		
12																		

CTD CONVERTED MONITOR VALUES

REMARKS

C1500550-50-5 m bottom

would not accept being corrected

no corrected appropriate

wind faint

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION	
NOAA Ship MILLER FREEMAN		MF-05-06		40-1		Post Deployment 05-88-5A	
CONSECUTIVE CAST #	LATITUDE	LONGITUDE		DATE	TIME	DRY BULB	WET BULB
DEG MIN	DEG MIN	DAY	MO	YR	HR	MIN	°C
0425954.59	17141.62	W03	MAY	05	03	16	0.7
SBE 9+	91220A	TIMES		DATA LOCATION			
PRESS SN	1220A	DATA ON		Tape/Diskette ID			
PRI TEMP SN	710	START DOWN		File Name/Header			
SEC TEMP SN	884	AT DEPTH		CTD042			
PRI COND SN	915	AT SURFACE		MAX DEPTH (m) 64			
SEC COND SN	304	PAR S/N= 4 2 4 2		FLUOR S/N= 6 7 8		CHLAM S/N=	
CTD CONVERTED MONITOR VALUES		Cleared air bleed valve		SAMPLE BOTTLE NUMBER			
POSITION	TRIP DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SAL
1	864						27
2	57						1102
3	57						1103
4	57						1104
5	13						1199
6	13						1100
7	13						1101
8	12						289
9	12						289
10	12						289
11							
12							

VESSEL			PROJECT & LEG			DSDB I.D.			STATION DESIGNATION																								
NOAA Ship MILLER FREEMAN			MF-05-06			41-1																											
CONSECUTIVE CAST #		LATITUDE		LONGITUDE		DATE		TIME GMT		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRECTION		WIND SPEED		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STATION NAME / ID	
0435952.06		17126.80		03 MAY 05		0603-01.6		11.821		341		6		71																			
REMARKS																																	
SBE 9+ 91220A DATA ON _____ DATA LOCATION _____																																	
PRESS SN 1220A START DOWN _____ Tape/Diskette ID _____ File Name/Header _____																																	
PRI TEMP SN 710 AT DEPTH _____																																	
SEC TEMP SN 884 AT SURFACE _____																																	
PRI COND SN 915 AT SURFACE _____																																	
SEC COND SN 304 PAR SN= 4 2 4 21 FLUOR S/N= 6 7 8 _____																																	
CTD CONVERTED MONITOR VALUES																																	
SAMPLE BOTTLE NUMBER																																	
DATA																																	
SAMPLE BOTTLE																																	
SALINITY																																	
SAL																																	
NUTR																																	
CHL																																	
WHITS																																	
NUTR																																	
POSITION																																	
TRIP DEPTH																																	
PRESSURE																																	
PRIMARY TEMP																																	
SECONDARY TEMP																																	
SALINITY																																	
SAL																																	
NUTR																																	
CHL																																	
WHITS																																	
NUTR																																	
1 65																																	
2 50																																	
3 40																																	
4 30																																	
5 20																																	
6 10																																	
7 0																																	
8																																	
9																																	
10																																	
11																																	
12																																	

VESSEL

PROJECT & LEG

DSD B.I.D.

STATION DESIGNATION

PG 444 OF

NOAA Ship MILLER FREEMAN

MF-05-06

42-1

355 Santa

CONSECUTIVE
CAST #

LATITUDE

LONGITUDE

DATE

TIME

DRY

WET

PRESSURE

SEA STATE

VISIBILITY

WIND
DIRECTIONWIND
SPEED

CLOUD (amt)

TYPE

WEATHER

BOTTOM

STATION

DEPTH

NAME / ID

DEG

MIN

DEG

MIN

DAY

MO

YR

HR

MIN

°C

°C

mb

deg

m/s

deg

m/s

deg

deg

deg

deg

deg

deg

deg

SBE 9+

91220A

DATA ON

TIMES

DATA LOCATION

Tape/Diskette ID

File Name/Header

REMARKS

18/4/0

PRESS SN

1220A

DATA ON

TIMES

DATA LOCATION

Tape/Diskette ID

File Name/Header

REMARKS

18/4/0

PRI TEMP SN

710

START DOWN

AT DEPTH

DATA LOCATION

Tape/Diskette ID

File Name/Header

REMARKS

18/4/0

SEC TEMP SN

884

AT DEPTH

AT SURFACE

DATA LOCATION

Tape/Diskette ID

File Name/Header

REMARKS

18/4/0

PRI COND SN

915

AT SURFACE

AT SURFACE

DATA LOCATION

Tape/Diskette ID

File Name/Header

REMARKS

18/4/0

SEC COND SN

304

AT SURFACE

AT SURFACE

DATA LOCATION

Tape/Diskette ID

File Name/Header

REMARKS

18/4/0

CTD CONVERTED MONITOR VALUES

SAMPLE
BOTTLE

SAMPLE BOTTLE NUMBER

18/4/0

DATA

SAMPLE BOTTLE NUMBER

18/4/0

POSITION

TRIP
DEPTH

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S

NUTR

NUTR

NUTR

NUTR

1

30

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S

NUTR

NUTR

NUTR

NUTR

2

50

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S

NUTR

NUTR

NUTR

NUTR

3

40

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S

NUTR

NUTR

NUTR

NUTR

4

30

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S

NUTR

NUTR

NUTR

NUTR

5

20

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S

NUTR

NUTR

NUTR

NUTR

6

10

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S

NUTR

NUTR

NUTR

NUTR

7

0

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S

NUTR

NUTR

NUTR

NUTR

8

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S

NUTR

NUTR

NUTR

NUTR

9

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S

NUTR

NUTR

NUTR

NUTR

10

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S

NUTR

NUTR

NUTR

NUTR

11

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S

NUTR

NUTR

NUTR

NUTR

12

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S

NUTR

NUTR

NUTR

NUTR

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S

NUTR

NUTR

NUTR

NUTR

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S

NUTR

NUTR

NUTR

NUTR

* SEC COND CELL WAS REPLACED AFTER THIS CAST - IT APPEARS TO

HAVE GONE BAD (DURING THIS CAST ONLY)

VESSEL		NOAA Ship MILLER FREEMAN				PROJECT & LEG		MF-05-06		DSDB I.D.		43-		STATION DESIGNATION	
CONSECUTIVE CAST #		LATITUDE		LONGITUDE		DATE		TIME		DRY BULB		WET BULB		PRESSURE	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		°C		°C		mb		deg m/s	
04 55 94 2.97		17 21 9.17		04 MAY 2005		09 00 09		-0.16		-0.12		12.1		02019	
SBE 9+		91220A		TIMES		DATA LOCATION		REMARKS		COND CELL REPLACED		10 minutes		73060	
PRESS SN		1220A		DATA ON		Tape/Diskette ID		File Name/Header		MAX. DEPTH (m)		CLEANED air bleed valve		old .CON FILE USED TO SAMPLE BOTTLE NUMBER 545	
PRI TEMP SN		710		START DOWN											
SEC TEMP SN		884		AT DEPTH											
PRI COND SN		915		AT SURFACE											
SEC COND SN		304		PAR/S/N=		4 2 4 2		FLUOR S/N=		6 7 8					
		530		CTD CONVERTED MONITOR VALUES											
POSITION		TRIP DEPTH		PRESSURE		PRIMARY TEMP		SECONDARY TEMP		SALINITY		SALINITY		SAL	
1		75												1246	
2		60												125	
3		50												124 283	
4		40												123 283	
5		30												122 287	
6		20												121 289	
7		10												120 289	
8		0												119 289	
9															
10															
11															
12															

TIME

VESSEL		NOAA Ship MILLER FREEMAN				PROJECT & LEG		MF-05-06		DSDB I.D.		414		STATION DESIGNATION	
CONSECUTIVE CAST #		LATITUDE		LONGITUDE		DATE		TIME		DRY BULB		WET BULB		PRESSURE	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		°C		°C		mb		SEA STATE	
046 59 19.00		17024.08		4119 05 1040-11.4-11.517		15 19		15 19		15 19		15 19		15 19	
SBE 9+		91220A		TIMES		DATA LOCATION		REMARKS		3 layers in T1					
PRESS SN		1220A		DATA ON		Tape/Diskette ID		File Name/Header							
PRI TEMP SN		710		START DOWN											
SEC TEMP SN		884		AT DEPTH											
PRI COND SN		915		AT SURFACE											
SEC COND SN		304		PAR S/N=		4 2 4 2		FLUOR S/N=		6 7 8					
		530		CTD CONVERTED MONITOR VALUES											
POSITION		TRIP DEPTH		PRESSURE		PRIMARY TEMP		SECONDARY TEMP		SALINITY		SALINITY		SAL	
1		61												9	
2		50												123 283	
3		40												131 283	
4		30												130 287	
5		20												129 289	
6		10												128 289	
7		0												127 289	
8															
9															
10															
11															
12															

Cleared air bleed valve

MAX. DEPTH (m)

CHLAM S/N=

SAMPLE BOTTLE NUMBER

SAMPLE BOTTLE

DATA

VESSEL		NOAA Ship MILLER FREEMAN		PROJECT & LEG		MF-05-06		DSDB I.D.		45-2		STATION DESIGNATION	
CONSECUTIVE CAST #		LATITUDE		LONGITUDE		DATE		TIME		DRY		WET	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		GMT		BULB °C		BULB °C	
SBE 9+ PRESS SN PRI TEMP SN SEC TEMP SN PRI COND SN SEC COND SN		91220A 1220A 710 884 915 304		DATA ON START DOWN AT DEPTH AT SURFACE PAR S/N=		Tape/Diskette ID File Name/Header		DATA LOCATION		PRESSURE		SEA STATE	
POSITION		TRIP DEPTH		PRESSURE		PRIMARY TEMP		SECONDARY TEMP		SALINITY		SALINITY	
1		65										41	
2		50										139	
3		50										138	
4		23*										137	
5		20										136	
6		10										135	
7		0										134	
8													
9													
10													
11													
12													
REMARKS SBE 9+ PRESS SN PRI TEMP SN SEC TEMP SN PRI COND SN SEC COND SN DATA ON START DOWN AT DEPTH AT SURFACE PAR S/N= 4 2 4 2 FLUOR S/N= 6 7 8 CTD CONVERTED MONITOR VALUES 530 MAX. DEPTH (m) CHLAM S/N=													
SAMPLE BOTTLE NUMBER SAMPLE BOTTLE DATA SAL NUTR CHL WHITS 140 139 138 137 136 135 134													

* sampled at 1400m (instead of 30*)
(137m)

VESSEL

PROJECT & LEG

DSDB I.D.

STATION DESIGNATION

PG 48 OF

NOAA Ship MILLER FREEMAN

MF-05-06

46-2

70m ISD6th

CONSECUTIVE
CAST #

LATITUDE

LONGITUDE

DATE

TIME

DRY

WET

PRESSURE

SEA STATE

VISIBILITY

WIND
DIRECTIONWIND
SPEED

CLOUD (amt)

TYPE

WEATHER

BOTTOM

STATION

DEPTH

NAME / ID

DEG

MIN

DEG

MIN

DAY

MO

YR

HR

MIN

°C

°C

mb

deg

m/s

SBE 9+ 91220A

DATA ON
START DOWN

Tape/Diskette ID

DATA LOCATION

REMARKS

PRESS SN 1220A

DATA ON

File Name/Header

Cleaned air bleed valve

PRI TEMP SN 710

START DOWN

File Name/Header

Cleaned air bleed valve

SEC TEMP SN 884

AT DEPTH

File Name/Header

Cleaned air bleed valve

PRI COND SN 915

AT SURFACE

File Name/Header

Cleaned air bleed valve

SEC COND SN 304

V PAR S/N=

FLUOR S/N=

MAX. DEPTH (m)

CHLAM S/N=

530

CTD CONVERTED MONITOR VALUES

MAX. DEPTH (m)

CHLAM S/N=

SAMPLE BOTTLE NUMBER

POSITION

TRIP
DEPTH

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S
NUTRSAMPLE
BOTTLE
DATA

SAMPLE BOTTLE NUMBER

1 104

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S
NUTRSAMPLE
BOTTLE
DATA

SAMPLE BOTTLE NUMBER

2 50

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S
NUTRSAMPLE
BOTTLE
DATA

SAMPLE BOTTLE NUMBER

3 40

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S
NUTRSAMPLE
BOTTLE
DATA

SAMPLE BOTTLE NUMBER

4 30

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S
NUTRSAMPLE
BOTTLE
DATA

SAMPLE BOTTLE NUMBER

5 20

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S
NUTRSAMPLE
BOTTLE
DATA

SAMPLE BOTTLE NUMBER

6 10

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S
NUTRSAMPLE
BOTTLE
DATA

SAMPLE BOTTLE NUMBER

7 0

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S
NUTRSAMPLE
BOTTLE
DATA

SAMPLE BOTTLE NUMBER

8

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S
NUTRSAMPLE
BOTTLE
DATA

SAMPLE BOTTLE NUMBER

9

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S
NUTRSAMPLE
BOTTLE
DATA

SAMPLE BOTTLE NUMBER

10

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S
NUTRSAMPLE
BOTTLE
DATA

SAMPLE BOTTLE NUMBER

11

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S
NUTRSAMPLE
BOTTLE
DATA

SAMPLE BOTTLE NUMBER

12

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S
NUTRSAMPLE
BOTTLE
DATA

SAMPLE BOTTLE NUMBER

VESSEL

NOAA Ship MILLER FREEMAN

PROJECT & LEG

MF-05-06

DSDB I.D.

43-X

STATION DESIGNATION

04-P10-2A pa - none

PG 49 OF

This was needed the first but I had it
back of the station but I had it
back given a hand #CONSECUTIVE
CAST #

LATITUDE

LONGITUDE

DATE

TIME

DRY

WET

PRESSURE

SEA STATE

VISIBILITY

WIND
DIRECTIONWIND
SPEED

CLOUD (amt)

TYPE

WEATHER

BOTTOM STATION
DEPTH NAME / ID

DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	BULB °C	BULB °C	mb	deg	m/s						
04	45	63	9	08	11	70	04	8	00	05	15	43	0.4	-0.8	035	835	52	48	96

SBE 9+ 91220A

TIMES

DATA LOCATION

REMARKS

PRESS SN 1220A

DATA ON

Tape/Diskette ID File Name/Header

PRI TEMP SN

START DOWN

Tape/Diskette ID

File Name/Header

SEC TEMP SN

AT DEPTH

Tape/Diskette ID

File Name/Header

PRI COND SN

AT SURFACE

Tape/Diskette ID

File Name/Header

SEC COND SN

AT SURFACE

Tape/Diskette ID

File Name/Header

530

CTD CONVERTED MONITOR VALUES

SAMPLE BOTTLE

SAMPLE BOTTLE NUMBER

POSITION

TRIP
DEPTH

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S
NUTR

1

88

28

2

3

4

5

6

7

8

9

10

11

12

VESSEL		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION														
NOAA Ship MILLER FREEMAN		MF-05-06		43-2		04PR-2A														
CONSECUTIVE CAST #	LATITUDE		LONGITUDE		DATE		TIME	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED	CLOUD (amt)	TYPE	WEATHER	BOTTOM STATION		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	°C	°C	mb	deg	m/s				DEPTH	NAME / ID	
0505639.30			171004.82		05	MAY	01	52	23	0.2	0.503		353	20				96		
SBE 9+	91220A		TIMES		DATA LOCATION		REMARKS													
PRESS SN	1220A		DATA ON		Tape/Diskette ID		File Name/Header													
PRI TEMP SN	710		START DOWN																	
SEC TEMP SN	884		AT DEPTH																	
PRI COND SN	915		AT SURFACE																	
SEC COND SN	304		PAR S/N=		4 2 4 2		FLUOR S/N=		6 7 8											
530			CTD CONVERTED MONITOR VALUES																	
POSITION	TRIP	DEPTH	PRESSURE	PRIMARY TEMP	SECONDARY TEMP	SALINITY	SALINITY	SAL	NUTR	CHL	WHITS	SAMPLE BOTTLE NUMBER								
1	91							45	157											
2	91								156											
3	91								155											
4	75								154											
5	50								153	283										
6	40								152	283										
7	30								151	287										
8	20								150	289										
9	10								149	289										
10	0								148	289										
11																				
12																				

Cleaned air bleed valve

530

CTD CONVERTED MONITOR VALUES

MAX. DEPTH (m)

SAMPLE BOTTLE NUMBER

DATA

SAMPLE BOTTLE NUMBER

STATION DESIGNATION

NOAA Ship MILLER FREEMAN

MF-05-06

DSDB I.D.

STATION DESIGNATION

[illegible]

VESSEL		NOAA Ship MILLER FREEMAN		PROJECT & LEG		MF-05-06		DSDB I.D.		STATION DESIGNATION																							
CONSECUTIVE CAST #		LATITUDE		LONGITUDE		DATE		TIME		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRECTION		WIND SPEED		CLOUD (amt)		TYPE		WEATHER		BOTTOM STATION		DEPTH NAME / ID	
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		°C		°C		mb		deg		m/s							
SBE 9+		91220A		DATA ON		TIMES		DATA LOCATION		Tape/Diskette ID		File Name/Header																					
PRESS SN		1220A		START DOWN																													
PRI TEMP SN		710		AT DEPTH																													
SEC TEMP SN		884		AT SURFACE																													
PRI COND SN		915		PAR SN=		4 2 4 2		FLUOR SN=		6 7 8																							
SEC COND SN		530																															
POSITION		TRIP DEPTH		PRESSURE		PRIMARY TEMP		SECONDARY TEMP		SALINITY		SALINITY		SAL		NUTR		CHL		WHIT'S													
1		1568												42																			
2																																	
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

CTD CONVERTED MONITOR VALUES

DATA

SAMPLE BOTTLE

SAMPLE BOTTLE NUMBER

Cleared air bleed valve

MAX DEPTH (m) 1500

CHLAM SN=

REMARKS

1794

VESSEL

PROJECT & LEG

DSDB I.D.

STATION DESIGNATION

NOAA Ship MILLER FREEMAN

MF-05-06

CONSECUTIVE
CAST #

LATITUDE

LONGITUDE

DATE

TIME
GMTDRY
BULB °CWET
BULB °CPRESSURE
mb

SEA STATE

VISIBILITY

WIND
DIRECTION degWIND
SPEED m/sCLOUD (amt)
TYPE

WEATHER

BOTTOM STATION
DEPTH NAME / ID

DEG

MIN

DEG

MIN

DAY

MO

YR

HR

MIN

°C

°C

mb

deg

m/s

SBE 9+ 91220A

PRESS SN 1220A

PRI TEMP SN 710

SEC TEMP SN 884

PRI COND SN 915

SEC COND SN 530

DATA ON

START DOWN

AT DEPTH

AT SURFACE

PAR S/N=

Tape/Diskette ID

File Name/Header

DATA LOCATION

FLUOR S/N=

6 7 8

C70055

Cleaned air bleed valve

MAX. DEPTH (m) 1514

CHLAM S/N=

CTD CONVERTED MONITOR VALUES

SAMPLE
BOTTLE

SAMPLE BOTTLE NUMBER

DATA

POSITION

TRIP
DEPTH

PRESSURE

PRIMARY TEMP

SECONDARY TEMP

SALINITY

SALINITY

SAL

NUTR

CHL

WHIT'S
NUTR

1

1519

no bottle turned set up

?

46

46

46

46

46

46

46

46

2

3

4

5

6

7

8

9

10

11

12

VESSEL		NOAA Ship MILLER FREEMAN										PROJECT & LEG		MF-05-06		DSDB I.D.		STATION DESIGNATION																	
CONSECUTIVE CAST #		LATITUDE			LONGITUDE			DATE		TIME		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRECTION		WIND SPEED		CLOUD (amt)		TYPE		WEATHER		BOTTOM STATION		DEPTH NAME / ID	
5653		24.65			16850.65			066		041052		206		3.0		7.0		1038		324		070		11		48									
SBE 9+		91220A			TIMES			DATA ON		Tape/Diskette ID		File Name/Header																							
PRESS SN		1220A						START DOWN																											
PRI TEMP SN		710						AT DEPTH																											
SEC TEMP SN		884						AT SURFACE																											
PRI COND SN		915						PAR SN=		4 2 4 2		FLUOR S/N=		6 7 8																					
SEC COND SN		530						MAX DEPTH (m)		120		CHLAM S/N=																							
POSITION		TRIP DEPTH		PRESSURE		PRIMARY TEMP		SECONDARY TEMP		SALINITY		SALINITY		SAL		NUTR		CHL		WHIT'S															
1		1120												46																					
2																																			
3																																			
4																																			
5																																			
6																																			
7																																			
8																																			
9																																			
10																																			
11																																			
12																																			

CTD CONVERTED MONITOR VALUES

REMARKS

Cleaned air bleed valve

SAMPLE BOTTLE NUMBER

SAMPLE BOTTLE

DATA

SAMPLE BOTTLE NUMBER