Voltages O PAR.

PG - OF

WHIT'S NUTR NAME/ID SAMPLE BOTTLE NUMBER Ξ STA. REMARKS No Markfile Cleaned air bleed valve SH. MAX. DEPTH = (00 1264 BOTTOM DEPTH STATION DESIGNATION S101-9/A NUTR. けたとこ Ξ TRANS. S/N 737 23 S WIND CLOUD (amt) YPPE WEATHER SAL. 0 (s/w) - (bap) SAMPLE BOTTLE WIND DIRN. SALINITY 7 00 4 80 40 File Name/Header VISIBILITY SEA STATE (dm) CHIAM S/N DATA LOCATION WET BULB 7033 ပ္ပ SALINITY DSDB I.D. O_o DRY BULB <u>ဂ</u> Tape/Diskette ID ന Ŋ HR MIN TIME (GMT) CTD CONVERTED MONITOR VALUES 6815.89 WB3SEP99163 FLUOR S/N SEC. TEMP PROJECT & LEG YR MF99-11 MO DATE JD= DAY JD/TIME PRI. TEMP. 4 2 4 2 LONGITUDE Z AT SURFACE START DOWN AT DEPTH DATA ON DEG TIMES PRESSURE 149 z 00 199 74 49 30 30 29 9 0 6 0 14.0015200 0 LATITUDE 6 7 9 530 303 Z 889 884 9 RV Miller Freeman SBE 9+ 09P89 1 TRIP DEPTH 38 200 SEC COND SN 50 4 3 DEG 30 0 PRI COND SN 30 2 SEC TEMP SN 8 PRI TEMP SN 9 PRESS SN CONSC CAST # VESSEL POS. 9 4 S 9 ω 6

VESSEL RV Mille	VESSEL RV Miller Freeman	-			PROJECT & LEG MF99-11	& LEG	asa	DSDB I.D.		STATIC	ON DES	STATION DESIGNATION $_{\mathcal{Z}}$	N.	
CONSC CAST#		LATITUDE	LONGITUDE	DATE	TE JD=	TIME (GMT)	DRY BULB	WET	PRESSURE SEA STATE VISIBILITY O WIND ON NO	SPD. CLOUD (amt)	VEATHER	BOTTOM DEPTH		STA. NAMEAD
7	DEG	MIN	DEG MIN	DAY	MO	YR HR MIN	(°C)	(0,)			1.	(E)	-	
	550	23.69N	16810	83 W 63	3 S E P 9	H & 1 6	0 0	8	0038275	2	1	482	ત	2
SBE 9+ 09P89	09P89 1	0 9 9	TIMES	JD/TIME			_	DATA LOCATION	NO	<u></u>	REMARKS	KS		
PRESS SN	SN 2	9772	DATA ON			Tape/[Tape/Diskette ID	File	File Name/Header		\%	6 503	Ŋ	
PRI TEMP SN	IP SN	884	START DOWN								<u>3</u>		not co	rect
SEC TEMP SN	MP SN	889	АТ DEРТН					6		<u> </u>	Clear	Cleaned air bleed valve	eed valv	; ;
PRI COND SN	NS QN	530	AT SURFACE							<u>ا</u> ا	AAX. DE	MAX. DEPTH = 474	チ	E
SEC COND SN	NS QN	303	PAR S/N _ 4	2 4 2	Z FLU	FLUOR S/N	153	ChIAM S/N	S/N	<u></u>	TRAN	TRANS. S/N		
POS.	TRIP		O	CTD CONVERT	RTED MONI	ÉD MONITOR VALUES	S		SAMPLE BOTTLE DATA	OTTLE	SAME	SAMPLE BOTTLE NUMBER	TLE NUM	ABER
		PRESSURE		PRI. TEMP.	S.	SEC. TEMP	0)	SALINITY	SALINITY	<u></u>	SAL.	NUTR.	CHL.	WHIT's NUTR
<u> </u>	320	302									7	2390	q	
2	200	200	0	ű.								2385		
ю	(50	[5]										138%		
4	100	20		,							,	2387		
5	75	7					v					2388		
9	50	ī										2389	/	
7	40	40	0				-	,				2384	1	
8	30	29	٥									2383	`>	
6	20	20	0									2382	1	
10	0)	0	5									1887	/	
7	0		7	İ		-	19					2380	1	
12	·													

10001	بَ				ľ	100											
R V M	VESSEL RV Miller Freeman	·			- -	PROJECT & LEG MF99-11	& LEG		USDB I.D	<u>.</u>			STATI 5	TION DES	STATION DESIGNATION 5+3 H	Z	
										7	3AUS:	Д I I I I		(1ms) 0 93H			
CONSC CAST #		LATITUDE	LONG	LONGITUDE			F (9)		DRY BULB	WET BULB	SEA S	VISIBI DIRN.	WIND SPD.	UOJO TYPE TABW	BOTTOM DEPTH		STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR HR	HR MIN	(°C)	(၁,)	,	* (deg)	(m/s)	*	(m)	L.	
	3552	15.25N	16304	7.65 W 03	00	SEP9	6	50	ο,	٠ د	7 6 0	8370	9	6 61	10	7	3-1
SBE (SBE 9+ 09P89 1	0 9 9 1	TIMES	7/QL	JD/TIME				DA	DATA LOCATION	NOIL			REMARKS	KS		
PRES	PRESS SN 2	2 9 7 7 2	DATA ON			.	Таре	Tape/Diskette ID	O1 e	Ē	File Name/Header	Header					
PRI T	PRI TEMP SN	884	START DOWN	NN NN											3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		
SEC.	SEC TEMP SN	889	АТ БЕРТН			-							·	Clear	Cleaned air bleed valve	eed valv	. 0
PR	PRI COND SN	530	AT SURFACE	· 兴						ן , ן			<u></u> I	MAX. DEPTH	EPTH =		E
SEC (SEC COND SN	303	V PAR S/N	4 2 4 2		V FLUC	JR S/N	153		ChIAM S/N	N/S/N			TRA	TRANS. S/N		1
POS.	TRIP]	CTD CONVERTED	NVERT	ED MONIT	MONITOR VALUES	UES			/S	SAMPLE BOTTLE DATA	TTLE	SAMI	SAMPLE BOTTLE NUMBER	TLE NUN	1BER
		PRESSURE	SURE	PRI. TEMP.	MP.	SE	SEC. TEMP		SAL	SALINITY		SALINITY	>	SAL.	NUTR.	CHL	WHIT'S NUTR.
	200													/32	3400		
7	150					_									2399		
ო	001														235E		
4	.75							\dashv	,						2397		
ιΩ	50														2396	7	
မ	70														2395	5	
_	30														2397	7	
∞	20														2393	S	
თ	0														2392	7	,
9	0		-				1							32	2391	/	٠,
Ξ			,													,	
12																	

VESSEL DV Milor Groomen				ш.	PROJECT & LEG	LEG	DSDB I.D.	I.D.	,	STATI	DN DESI	STATION DESIGNATION	z	
					MF99-11		_			. ,	7 7	7+		
								35 00	3TA1	(smt)				
CONSC CAST #	LATITUDE	PONG	LONGITUDE	DATE JD=	=OC	TIME (GMT)	DRY BULB	WET 88	VISIBIL VISIBIL VISIBIL		TYPE TTAEN	BOTTOM DEPTH		STA. NAME/ID
DEG DEG	MIN	DEG	MIN	DAY	MO YR	HR MIN		-	*		L +	(E)	-	
45532	2.84 N	16745	73 w 03	* . :	SEP9	92230		9 .v	0 0 0 0 0	0	192		6Ctd	700%
SBE 9+ 09P89 1	0 9 9 1	TIMES	JD/TIME	IME			DA	DATA LOCATION	z	_	REMARKS	(S		
PRESS SN 2	9772	DATA ON				Tape/Diskette ID	ette ID	File N	File Name/Header					
PRI TEMP SN	884	START DOWN	Z,				· ·	CH004	400					
SEC TEMP SN	889	АТ DEРТН			·			į		<u> </u>	Clean	Cleaned air bleed valve	eed valv	
PRICOND SN	530	AT SURFACE	Ш					 		<u>,</u> I	MAX. DEPTH =	EPTH =	120	 ; ; E
SEC COND SN	303	PAR S/N	4 2 4 2		FLUOR S/N	R S/N 1 5	8	CHIAM S/N	N.		TRAN	TRANS. S/N		
POS. TRIP			CTD CONVERTED M	NVERTE	D MONITC	MONITOR VALUES			SAMPLE BOTTLE	OTTLE	SAME	SAMPLE BOTTLE NUMBER	FLE NUN	BER
7					1.5	1			PAIA	,				
	PRESSURE	URE	PRI. TEMP	M G	SEC	SEC. TEMP	SAI	SALINITY	SALINITY	<u></u>	SAL.	NUTR.	CHL.	WHIT's NUTR.
1 23					3				,		3			
2														
3				939										
4				83										
5								E						
9				•	^			-						
7				,										
8														
O.														
10														
11														
12														
											•	ī		

PG 5 OF

PG 6 OF

VESSEL RV Miller Freeman					PROJECT & LEG MF99-11	T & LEC	(0)	DSDB I.D.	.I.D.			STAT	STATION DESIGNATION	SIGNAT	JON DE	7
CONSC CAST ≠ LATITUDE		PLONG	LONGITUDE	DATE JD=	=QC		TIME (GMT)	DRY BULB	WET	BRESSURE BTATS ABS	VISIBILITY VISIBILITY OR WIND		CLOUD (amt) 79PE 99YT	BOTTOM	í e	STA. NAME/ID
DEG MIN		DEG	MIN	DAY	MO	YR H	HR MIN	(၃)	(°C)				. *		-	
65545.	9 0	1671	0.15W0H	V OH	SEP	0 6 6	60 1	4.	7.9	760	11-	23	195	-	136	7
SBE 9+ 09P89 1 6 6	0	TIMES	Var	JD/TIME				/Q	DATA LOCATION	TION			REMARKS	KS		
PRESS SN 2 9 7	7 2	DATA ON				<u>Ľ</u>	Tape/Diskette ID	tte ID	Ē	le Name	File Name/Header		^	200	X	
PRI TEMP SN 884	ST	START DOWN	Z,													
SEC TEMP SN 889	AT	АТ ВЕРТН							 			 I	Clea	ned air	Cleaned air bleed valve	alve
PRI COND SN 530		AT SURFACE	اسا						 			 I	MAX. D	EPTH =	MAX. DEPTH = 128	Ε
SEC COND SN 303	\boxtimes	X PAR S/N	7	~:		JOR S/h	2	n	CHIAM S/N	N/S/N			TRA	TRANS. S/N		
POS. TRIP DEPTH				NVERTI	CTD CONVERTED MONITOR VALUES	ITOR V,	ALUES			<u> </u>	SAMPLE BOTTLE	OTTLE	SAM	PLE BC	SAMPLE BOTTLE NUMBER	UMBER
					30											
	PRESSURE	ñ	PRI. TEMP.	MP.	S	SEC. TEMP	ΔL	SA	SALINITY		SALINITY	Δ	SAL.	NUTR.	CHL	WHIT'S . NUTR.
1													9			
2																
3																
4											i.					
5																
9							-									
7																
8																
6																
10																
-																
12																
								,								

		П	4						T			ر د ري			·				<u> </u>	<u> </u>				Γ
	STA. NAME/ID						9 2	ε		MBER		WHIT'S NUTR.									_			
Z Z		_	<u> </u>		8	/	eed val	124		TLE NU		CHL.												
STATION DESIGNATION	BOTTOM DEPTH	ε	134	S	20 Des		Cleaned air bleed valve	TH =	S/N .	SAMPLE BOTTLE NUMBER		NUTR.				,								
N DESIG	A∃HTA∃W		7	REMARKS	4		Cleane	MAX. DEPTH =	TRANS. S/N	SAMPL		SAL.	3	-										
ATION	SPO CLOUD (amt)	,e) +	3	<u> </u>			K	×] <u></u>			TS: C			<u></u>				<u> </u>				
ST	N. SP	g) (m/s)	520				l			BOTTL FA		ΥTI								4				
	WIND DIRN.	(deg)	7385		File Name/Header					SAMPLE BOTTLE DATA		SALINITY												
	SEA STATE YTIJIBISIV	*		7	ame/F					,														
	РКЕЅЅИКЕ	(mp)	9	ATIO	File				AM S/								J							
0.	WET BULB	(၁.)	7.9084	DATA LOCATION					NCHIAM S/N			SALINITY						·						
DSDB I.D.	. m			DAT				Ì				SALI				,								
	DRY BULB	(၃)	9.		tte ID				e e															
	TIME (GMT)	HR MIN	0880		Tape/Diskette ID				1 5	JES	Ì		!											
ËG	T (G)	HR			Таре				S/N	? VALL		SEC. TEMP												
PROJECT & LEG MF99-11		ΥR	6						KFLUOR S/N	CTD CONVERTED MONITOR VALUES		SEC.												
PROJE	±OC	QM	SEP						Ž	ED MC														
	DATE	DAY	shamba.	ME						IVERT		آ آ												
			3 €	JD/TIME					4 2	NO CON		PRI. TEMP												
	LONGITUDE	Z W W			127	z		111	4 2	E CI		A.												
	LONG	\Box	16654		N O	START DOWN	PTH	RFAC	S/N		ŀ						-					_		
		DEG	166	TIMES	DATA ON	STAR	АТ ОЕРТН	AT SURFACE	PAR S/N	 		URE												
			S		2							PRESSURE												
	LATITUDE	ΝEΝ	4.0	0 9 9	977	884	889	530	303			4												
eman			S	-	2			l		o I			7										,	
EL ler Fre		DEG	755	+ 09P8	NS (S	MP S	EMP S	IS ONC	OND S	TRIP			6											
VESSEL RV Miller Freeman	CONSC CAST#			SBE 9+ 09P89	PRESS SN	PRI TEMP SN	SEC TEMP SN	PRI COND SN	SEC COND SN	POS.			_	7	3	4	5	9	7	8	6	10	-	12
			1	_ : -								[

PG 8 OF

VESSEL RV Miller Freeman				<u>q</u> <u>M</u>	PROJECT & LEG MF99-11	& LEG	DSDB I.D.	I.D.	82		STATIC	ON DESI	STATION DESIGNATION	in a	
	LATITUDE	TONG	LONGITUDE	DATE JD=	- □	TIME (GMT)	DRY BULB	WET	PRESSURE SEA STATE	VISIBILITY O KIND O N.S. O N.S. O N.S. O N.S. O N.S.	S N O O O O	MEATHER	BOTTOM DEPTH		STA. NAME/ID
DEG	ZIN	DEG	MIN	DAY	MO	YR HR MIN	(၃့)	(0)	1	(deg)	* (s/m)		(E)	\vdash	
8555	8 . 96 N		16634.63 WO4S	s 40	ЕРЭ	90352	0	7.9094		727023	238	رم 9 م			800
SBE 9+ 09P89 1	0 9 9	TIMES	JD/TIME	ME			/Q	DATA LOCATION	NOI			REMARKS	S)		
PRESS SN 2	9772	DATA ON				Tape/Diskette ID	ette ID	File	File Name/Header	Header			3	202en	
PRI TEMP SN	884	START DOWN	N.												
SEC TEMP SN	889	АТ DEРТН										Clean	ed air bl	Cleaned air bleed valve	. 0
PRI COND SN	530	AT SURFACE	ш					 			<u></u>	MAX. DEPTH =	PTH =	123	E
SEC COND SN	303	MPAR S/N			FLU	1 2 4 2 KFLUOR S/N _ 1 5	3	K CHIAM S/N	N/S			TRAN	TRANS. S/N		
POS. TRIP	£1!	ļ		VERTE	MONIT	OR VALUES				SAMPLE BOTTLE		SAMP	LE BOT	SAMPLE BOTTLE NUMBER	IBER
DEPTH					68					DATA					
	PRESSURE	SURE	PRI. TEMP.	MP.	SE	SEC. TEMP	SA	SALINITY		SALINITY		SAL.	NUTR.	CHL.	WHIT's NUTR.
1												90	8040		
2 75													2407		
3 50													2406	3	
4 40													3405	, \	
5 30			-										2407	2	
9								, .					2403	2	
7 10													60% C	7	
8											l	-	1045	7	
6						,				,					
10														-	
11						-									
12			-					,							

PG 9 OF

VESSEL RV Miller Freeman	Œ	1		PROJEC MF99-11	PROJECT & LEG MF99-11	O	DSDB I.D	G.		<u>S</u>	TATION	STATION DESIGNATION	NATION	-	
			,	·					ЭTАТ		(tms) (Ы∃⊢			
	LATITUDE	LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB	WET BULB	RES S A3S	WIND DIRN.	S S SLOUI	TAPE MEATI P	BOTTOM DEPTH		STA. NAME/ID
DEG	MIN	DEG MIN		DAY MO	YR	HR MIN	(0,)	П		(deg)	* (s/m)	\ *	(E)		
956	2.59 N	16629	W ~	N S E	E P 9 9 0	553	9.0	7-156	F 7 60	2752	7000	rs 9	112		0
SBE 9+ 09P89 1	0 9 9 1	TIMES	JD/TIME	1E	,		DA	DATA LOCATION	NO		RE	REMARKS			
PRESS SN 2	9772	DATA ON			 -	Tape/Diskette ID	te ID	File	File Name/Header	eader	<u>-</u>				
PRI TEMP SN	884	START DOWN	1												
SEC TEMP SN	889	АТ ОЕРТН			l			 			Š	Cleaned air bleed valve	air ble	ed valve	
PRI COND SN	530	AT SURFACE		,	ļ <u>.</u>		,] <u>§</u>	MAX. DEPTH =	H= H	20	: E
SEC COND SN	303	M PAR S/N 4	1242		FLUOR S/N 1 5	٠	3	CHIAM S/N	N/S			TRANS. S/N	N/S		
POS. TRIP DEPTH			CTD CONVERTED	VERTED M	ONITOR V	/ALUES			SAN	SAMPLE BOTTLE DATA	<u> </u>	SAMPLE BOTTLE NUMBER	ВОТТ	E NUMB	3ER
	PRESSURE	URE	PRI. TEMP	a.	SEC. TEMP	- MP	SAL	SALINITY		SALINITY	*S	SAL. NI	NUTR.	CHL.	WHIT'S NUTR
1 60							:		<u> </u>			<i>C</i> ₀	2417	_	
2 7.5							-					7	- シルの		
3 52												ñ.	たられて	7	
4 40				4								กัง	2413	7	
5 30				_								ř	2412	2	
6 20								ž:				ñ	2411	7	
7 10												~	one	7	
8												20	50he	7	
6															
10															
11				•											
12											_				

733

VESSEL RV Miller Freeman				₫᠌	PROJECT & LEG MF99-11	& LEG		DSDB I.D.	.G.	**		STAT	ION DE	STATION DESIGNATION	Pace	
	LATITUDE	LONG	111		=Qf	[Ö ±	TIME (GMT)	DRY BULB	WET BULB	PRESSURE SEA STATE	VISIBILITY DIRN DIRN DIRN	SPD CLOUD (amt)	CLOUD (amt) TYPE WEATHER	воттом рертн		STA. NAME/ID
DEG	MIN	DEG	MIN	DAY	MO	YR HR	HR MIN	(0,)	(°C)	* (dm)			,	(m)	0	
0260	3 · 43 N	16619		3	S E P 9	9	9	0	₩	10	7285	524	1		9)chd	01
SBE 9+ 09P89 1	6 6 0	TIMES	JD/TIME	¥				DA	DATA LOCATION	NOIL			REMAR	REMARKS MOORING 3	081R	3
PRESS SN 2	9772	DATA ON				Таре	Tape/Diskette ID	e ID	正	e Name	File Name/Header			SOSER	28)
PRI TEMP SN	884	START DOWN	Z						J	0 1 1 1			7	24, 20		
SEC TEMP SN	889	АТ ОЕРТН							 				Clea		leed val	. 9
PRI COND SN	530	AT SURFACE	ш						 		:	1	MAX. DEPTH =	EPTH =		: : E
SEC COND SN	303	MPAR S/N	4242		FLU	MFLUOR S/N	153		CHIAM S/N	N/S/N			TRA	TRANS. S/N		
TRIP DEPTH			CTD CONVERTED MONITOR VALUES	VERTE	D MONI	FOR VALU	JES				SAMPLE BOTTLE DATA	SOTTLE 'A	SAM	SAMPLE BOTTLE NUMBER	TLE NUI	MBER
	PRESSURE	URE	PRI. TEMP.	₫.	S	SEC. TEMP		SAL	SALINITY		SALINITY	ΙΤΥ	SAL.	NUTR.	CHL.	WHIT's NUTR.
001													CC	4646		
75										<u> </u>				2423		
50														Cehe	7	
0 4														2431	2	
30														3430	7	
90	·		,						4					51he)	,
9														3413	7	
0							,							2417	7	
			.1							<u></u>		-				
													l			l

VESSEL RV Mille	VESSEL RV Miller Freeman	u			PR(MFS	PROJECT & LEG MF99-11	LEG	DSDB I.D.	l.D.	13		STATIC	ON DESI	STATION DESIGNATION	z	
CONSC) Sc						TIME	ORY	WET	ESSURE ESTATE	IBILITY S	(tms) QU(ATHER	BOTTOM		STA
CAS.	i i	LATITUDE	ONG	TUDE		ı		BULB	BULB		SI VISN.	SPD.CLC	ᅫ	DEPTH	_	NAME/ID
	DEG	ZIE	DEG	MIN	DAY	MO YR	HR	(၃)	(2)	* (dm)	* (deg)	* (s/m)	*	(m)		
	5.5	54. 89 N	1660	9.59wox	OYSE	E P 9	1037	0	14-	1 / 4	7380	ر ر	1	123	1	Chd 1.1
SBE 6	SBE 9+ 09P89 1	0 9 9 1	TIMES	LA JD/TIME	IME			DA	DATA LOCATION	NOI		<u>«</u>	REMARKS	(S		
PRESS SN	S SN 2	2 9 7 7 2	DATA ON			ı	Tape/Diskette ID	ette ID	Ë	e Name	File Name/Header					
PRIT	PRI TEMP SN	884	START DOWN	z		ı		:	ن ا	Chali						
SECT	SEC TEMP SN	889	АТ ОЕРТН			i							Clean	Cleaned air bleed valve	eed valv	. 6
PR	PRI COND SN	530	AT SURFACE	111									MAX. DEPTH =	PTH =	 	E
SEC (SEC COND SN	303	N PAR S/N	4 2 4 2		FLUOR S/N	S/N_1 5	3	ChiAM S/N	NS/N			TRAN	TRANS. S/N		
POS.	TRIP DEPTH		To the state of th	CTD CONVERT	NVERTED	MONITO	ED MONITOR VALUES		i I		SAMPLE BOTTLE DATA	11. 12. 13.	SAMP	SAMPLE BOTTLE NUMBER	FLE NUN	ABER
		PRESSURE	URE	PRI. TEMP	AP.	SEC.	SEC. TEMP	l ses	SALINITY		SALINITY		SAL	NUTR	Ę.	WHIT'S NUTR.
1	100											<u> </u>		2432		
5	75													1848		
8	50												1	2430	7	
4	40													5646	7	,
5	30													See 45	7	
9	0.0								ii.				·	2437	7	
7	2													98h8	7	
8	0													SC1, C	7	
6				i												
10																
11			,						R)			<u>. </u>				
12																

LATITUDE MIN LO.O.O.O.O.O.O.O.O.O.O.O.O.O.O.O.O.O.O.	DEG TIMES STAR STAR AT DE	LONGITUDE DATE MIN DAY 6 0 6 3 0 W Ø 4 S 5 ON	î	· ·			_					
MIN 1660	DEG N 16 TIMES DATA STAR	o NT IT/OL	=O:	TIME (GMT)	DRY WET	BRUSSBR	YTIJIBICITY S S S S S S S S S S S S S S S S S S S	W KING O COUR I COUR	LOUD (ar YPE ABHTABV	BOTTOM		STA.
2 9 7 7 884	Z	വ	Y MO YR	HR MIN	+	(gm)	1.		1 *		+	
2 9 7 7		JD/TIME	4SEP99	1.3.1 a	4.7 Y	4124	14	00	1	0)	0.	17
2 9 7 7					DATA LOCATION	CATION			REMARKS	KS		
	START DOV			Tape/Diskette ID	e ľD	File Nam	File Name/Header					
	АТ ОЕРТН	N,								:	0/m 9/	
SEC TEMP SN 889			1					1	Clean	ned air b	Cleaned air bleed valve	0)
PRI COND SN 530	AT SURFACE	ļļ Į						1	MAX. D	MAX. DEPTH =	9	E
SEC COND SN 303	PAR S/N	4242	XFLUOR	S/N _ 1 5 3	<u>र्</u>	CHIAM S/N			TRA	TRANS. S/N		
POS. TRIP DEPTH		CTD CONVERTED	RTED MONITOR VALUES	VALUES			SAMPLE BOTTLE DATA)TTLE	SAM	PLE BOT	SAMPLE BOTTLE NUMBER	BER
Ā.	PRESSURE	PRI. TEMP.	SEC.	SEC. TEMP	SALINITY		SALINITY		SAL.	NUTR.	CHL	WHIT'S NUTR.
000	95								CZ CZ	AB		
75			-	,						A T	`	
50										A6	>	
40	ال									AS	>	
2										4H	<i>></i>	
20					,					AZ	/	
0)										A.2	7	
0										Y	/	
				=======================================								
) **								:		

	STA. NAME/ID	13		00	*	valve	E 7 8		SAMPLE BOTTLE NUMBER	WHIT'S CHL NUTR.												
NATION 3 - I	ВОТТОМ	(E)	2	SO BUS	: : : :	Cleaned air bleed valve	: !	N/S	BOTTLE	NUTR. CI												
STATION DESIGNATION	HTAEM •	, V			And the state of t	Cleaned	MAX. DEPTH =	TRANS. S/N	SAMPLE	SAL. N	0,											
STATIO		(s/m)				<u> </u>	<u> ∑</u> ı		TTLE T					<u> </u>								
		(deg)). 	leader					SAMPLE BOTTLE DATA	SALINITY												
	PRESSURE * SEA STRICTY * VISIBILITY		4	File Name/Header				N/S	SAI													
I.D.) H	DATA LOCATION	File]]		KChIAM S/N]	SALINITY										,		
DSDB I.D	DRY	() ()		ette ID				3		AS				·	-							
EG	~ ~ ~ -	X / (Tape/Diskette ID				S/N 1 5	VALUES	FEMP											-	
PROJECT & LEG MF99-11	-	NO 4 R			<u> </u>	<u> </u>		XFLUOR S/N	CTD CONVERTED MONITOR VALUES	SEC. TEMP						•						
PR	DATE JE	0 4 S	ME					7.	VERTEC	AP.												
-	_ 	N CALA. A a W CA S E P	JD/TIME					4 2 4 2	CTD CON	PRI. TEMP	!					*						
	ONG	WIIIN		NO	START DOWN	РТН	AT SURFACE															
			TIMES	DATA ON	STARI	АТ DEРТН	AT SU	MPAR S/N		PRESSURE												
	LATITUDE	1		772	884	889	530	303		PRES												
reeman	LATI		.) 1	2 9					TRIP DEPTH		10											
VESSEL RV Miller Freeman	CONSC CAST #	5	SBE 9+ 09P89	PRESS SN	PRI TEMP SN	SEC TEMP SN	PRI COND SN	SEC COND SN	Pos.		1 [6	2	3	4	5	9	7	8	6	10	1.1	12

PG 14 OF

VESSEL RV Miller Freeman				PROJECT & LEG MF99-11	& LEG	DSDB I.D.	I.D.	83.	STAT	ION DESIG	STATION DESIGNATION		
	LATITUDE		LONGITUDE	DATE JD=	TIME (GMT)	DRY	WET BULB	PRESSURE SEA STATE VISIBILITY \[\begin{align*} \text{STATE} & \t	WIND WIND DIRN. SPD.	CLOÚD (amt) TYPE MEATHER	BOTTOM DEPTH	STA.	7.07
DEG	MIN	DEG	MIN	DAY MO Y	YR HR MIN	(°C)	(°C)	, , ((deg) (m/s))	(m)		
14 5623	3.34 N	165	23.48W	OUSEP9	9 6 44	(Co	7.1	24721	2902486	て 9%	8		14
SBE 9+ 09P89 1	0 9 9	TIMES	JD/TIME	IME		/Q	DATA LOCATION	N		REMARKS	S }		
PRESS SN 2	9772	DATA ON	7		Tape/Diskette ID	ette ID	File	File Name/Header	_	MO = 20 m		min (rate of)	_
PRI TEMP SN	884	START DOWN	NWO		•					7 = 0H			
SEC TEMP SN	889	АТ БЕРТН	 			i				Clean	Cleaned air bleed valve	ed valve	
PRI COND SN 5	530	AT SURFACE	ACE -				 		 	MAX. DEPTH =	:PTH =	75	, , E
NS QNO	303	X PAR S/N	s/N_4 2 4 2		FLUOR S/N 1 5	8	X CHIAM S/N	N/S		TRAN	TRANS. S/N		
POS. TRIP DEPTH			CTD CONVERTE	NVERTED MONIT	OR VALUES			SAMPLE	SAMPLE BOTTLE DATA	SAME	LE BOTT	SAMPLE BOTTLE NUMBER	H.
	PRESSURE	SURE	PRI. TEMP.		SEC. TEMP	SA	SALINITY	SALI	SALINITY	SAL.	NUTR.	CHL.	WHIT'S NUTR.
75										25			
2													
8													
4													
5					>								
9							,						
7													
8												i)	
6								<u> </u>					
10													
11													
12													
					Cexcol	Cexcolothe Sina	5	0730 lacal (1530 CMT)	scal	(153	OGN	17)/	
]								-	

3

In Cocal As

	STA. NAME/ID	91				, e	٤		MBER	WHIT'S NUTR.												
7		10	8 per			ed valv			LE NUI	CHL.												
STATION DESIGNATION	BOTTOM	E) H		3	30	Cleaned air bleed valve	TH =	N/S S	SAMPLE BOTTLE NUMBER	NUTR.					<u>. </u>							
N DESIG	∃qYT • Я∃НТА∃W •) (g	REMARKS	1 QM	74x 407	Cleane	MAX, DEPTH =	TRANS SIN	SAMPI	SAL	1						,					
TATIO	S Will S CLOUD (amt)	(m/s) (m/s)		ک	Ĭ		Ž		ILE ILE				<u> </u>		<u> </u>							
0)		(deg)	-{	der					SAMPLE BOTTLE DATA	SALINITY												
(ii)	* SEA STATE YTIJIBISIV *	. 、、		File Name/Header					SAMP	SA												
	PRESSURE	(a)	NOIT	ile Nan				N/S M														
31.D.	WET BULB	0 0	DATA LOCATION	Ŀ		l 	 	ChIAM S/N		SALINITY									030			
DSDB 1.D.	DRY BULB	0	1	tte ID				3		/S												
g	TIME (GMT)	A CO		Tape/Diskette ID			:	Z 1	ALUES	MP.	- "											
PROJECT & LEG MF99-11	0	1.		<u> </u>				FLUOR S/N	VITOR V	SEC. TEMP												
PROJEC	=QP	S m c			·		.	X	MOM C											-		
	DATE		ME						VVERTI	MP.												
	<u> </u>	3 W 04	JD/TIME			٠		2 4 2	CTD CONVERTED MONITOR VALUES	PRI. TEMP.						-						
,	LONGITUDE	1			NMC	т	ACE	Ň 4									•					
	IOI LOI	1643	TIMES	DATA ON	START DOWN	АТ ОЕРТН	AT SURFACE	X PAR S/N		JRE												
	Щ	85 N		7 2	0,	7.5				PRESSURE						-						
	LATITUDE			2 9 7	884	889	530	303														
VESSEL RV Miller Freeman	ָ טור טור	65637	19P89 1	'	P SN	NP SN	NS Q	ND SN	TRIP DEPTH	· .	Co	0	(17.7)		:							
VESSEL RV Miller	CONSC CAST#	79	SBE 9+ 09P89	PRESS SN	PRI TEMP SN	SEC TEMP SN	PRI COND SN	SEC COND SN	POS.		1	2	3	4	5	9	7	8	6	10	11	12
[> K]		1	၂ (၇)	<u>а</u>	<u>a</u> .	<u>.</u> v	<u>α</u>	S	<u> </u>				î.			i		l				

VESSEL RV Miller Freeman					PROJECT & LEG MF99-11	& LEG	SO	DSDB I.D.			STAT	Shu DES	STATION DESIGNATION	z	
EG .		t 									(Jms) O				
CONSC CAST # LATI	LATITUDE	LONGITUDE	TUDE	DATE	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	SEA S	VIND VISIBII		CLOUI TYPE TA3W	ВОТТОМ DEРТН		STA. NAME/ID
DEG	MIN	DEG	MIN	DAY		YR HR MIN	(C) NIN	(၃့)	, (dm)	(deg)		* 1.	(E)		
2	. 4 Q N	06 H 9	. 1 3 w	7	SEP	9.92.12	29	9 4	r H	57290		4 00 K	ht	h	
	0 9	TIMES		JD/TIME				DATA LOCATION	ATION			REMARKS		15,2eA	<u> </u>
PRESS SN 2 9	9772	DATA ON	:			Tape/L	Tape/Diskette ID		ile Naπ	File Name/Header	_	wie out	Just 67	74	
PRI TEMP SN 8	884	START DOWN	Z.				3				l	[
SEC TEMP SN 8		АТ ОЕРТН		i i				, 				Clea	Cleaned air bleed valve	leed valve	0
PRI COND SN	530	AT SURFACE	<u>ا</u> س			<u> </u>		•			:	MAX. D	MAX. DEPTH =	60	ε
		N/S GAD N	~	,		IOR S/N	1 5 3	Chi	CHIAM SIN		.	TRA	TRANS. S/N		-
	303	X	CTD CC	NVER	TED MON	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	LE BOTTLE	<u> </u>	SAMPLE BOTTLE NUMBER	TLE NUN	BER
ОЕРТН									*						-
.1.	00000	u	- GO	dW:	0.	SEC TEMP		SALINITY		SALI	SALINITY	SAL.	NUTR.	CHL.	WHIT'S NUTR.
 -	2017			.	<u>'</u>						i	4	A-15		
+	00				-						:		4-4	5.	
					<u> </u>								A+3	2	
													(R)(A)	7	
2									1.2				A-11	7	
													A-10	2	
2	1	3	,										A-9	7	
8															
6					-		-						-		
10	:					į	- - - 			ļ			-		
11															
12	-		*		<u>.</u>						,			*	
									7	5	+ 10	3	1012	Second Property	むってな

PG OF STATION DESIGNATION	N WEATHER WEATHER OLOUD (amt)	(m) * * * (s/m)	REMARKS 15 per	6700		ple	MAX. DEPTH = Co 7 m		OTTLE SAMPLE BOTTLE NUMBER A	TY SAL. NUTR. CHL. NUTR.	5 149	A-18 1	A-17/	7		977	3		2			
M	STATE ABS VISIBILITY	. (0	File Name/Header				- 1	SAMPLE BOTTLE DATA	SALINITY												
DSDB I.D.		(0)	DATA LOCATION	File N				CHIAM S/N		SALINITY												<
	TIME DRY (GMT) BULB	Z V	7.5.5. 5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5	Tape/Diskette ID			:	N_153	ALUES	≡MP												
PROJECT & LEG MF99-11	=QC =	MO YR	D D D D D D D D D D D D D D D D D D D	<u> </u>	,			FLUOR S/N	CTD CONVERTED MONITOR VALUES	SEC. TEMP												- -
	TUDE DATE	NIN DY	JD/TIME		Z		Ш	4 2 4 2	CTD CONVER	PRI. TEMP.						:						
	LONGITUDE	DEG	76 N) 6403	DATA ON	START DOWN	АТ ОЕРТН	AT SURFACE	PAR S/N		PRESSURE						,	į					
LE LE	LATITUDE	z	. 9	7	884	889	530			ŭ d d	9					2	متيده	1				
VESSEL RV Miller Freeman	CONSC CAST #	DEG	SBE 9+ 09P89 1 6		PRI TEMP SN	SEC TEMP SN	PRI COND SN	ISEC COND SN	POS. TRIP DEPTH		1 70	-	-		5 44	9	PC 7	2 8	9 g	10	11	12

SHED Coccoliths.

Morring a Custabocet

VESSEL RV Miller Freeman				PROJE MF99-1	PROJECT & LEG MF99-11	g	OSDB I.D.	I.D.			STATIC	Shoes	STATION DESIGNATION	8 C S	3
			,						BRUSS BTATS		(tms) OU	(ms) 00 3 93HT,		Ş	
CONSC CAST #	ATITUDE	LONGITUDE	JDE	DATE JD=		TIME (GMT)	DRY BULB	WET		VIND DIRN.	SPD	TYPE A=W	BOLLOM DEPTH	STA. NAME/ID	
DEG	MIN	DEG N	MIN	DAY MO	YR	HR MIN	(၃့)	(ఫి)	, (dm)	* (deg)	, (s/ш)	*	(m)		
966	59 . 9 . N	164 03	. [O W	4 S E	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	B353	2.6	7.0	40	1295	1 7	822	4		0
SBE 9+ 09P89	1660	TIMES	JD/TIME	ME			/O	DATA LOCATION	NOIL			REMARKS	KS	A .	
PRESS SN	29772	DATA ON				Tape/Diskette ID	tte ID	Ē	e Nam	File Name/Header	1			gy fely is not to make them the grifts of a terminant	-
PRI TEMP SN	884	START DOWN						1	,		—				A.A.
SEC TEMP SN	688	АТ ОЕРТН		:			ļ	[Clear	Cleaned air bleed valve	d valve	
PRI COND SN	530	AT SURFACE		i				[MAX. DEPTH =	EPTH =	E (\neg
NO CINCO CER	200	MPAR S/N	4 2 4 2		LUOR S	1 N	3	CHIAM S/N	N/S N			TRA	TRANS. S/N		
POS TRIP DEPTH	202		CTD CO	NVERTED	MONITOR VALUES	VALUES			<u></u>	SAMPLE BOTTLE DATA	OTTLE	SAM	SAMPLE BÖTTLE NUMBER	E NUMBER	~
			1.		ře									WHIT'S	s F
	PRESSURE	SURE	PRI. TEMP	MP.	SEC. TEMP	EMP	1S	SALINITY		SALINITY	<u></u>	SAL.	T.R.	CHL. NUTR.	꾼
20				Ş.									25	7	T
2 2														2	T
							į						,	7	
-				¥			£,						18-31	7	1
									<u> </u>					2	_
6 5								,	1					3	1
7 5													1	7 .	1
8	,								100				26-4	2	
6									$\overrightarrow{\parallel}$						1
10						ļ							-		
7															
12				_								2		- 3	10
												2	3	2 23	<u> </u>

VESSEL RV Miller Freeman	Freeman			PROJEC MF99-11	PROJECT & LEG MF99-11	O	DSDB I.D.	o o		181	STATION DESIGNATION	Hand	
				:					ΞŢ			_	
CONSC	U 	C	HOLLEIGNO	DATE .ID=		TIME (GMT)	DRY	WET BULB	PRESSUR TATE ATE VISIBILIT	WIND WIN	WEATHE CLOUD (S TYPE TYPE	ВОТТОМ DEPTH	STA. NAME/ID
‡ 2 3	DEG MIN	DEG	MIN	DAY MO	YR	HR MIN	(0,0)	(°C)	* * (.	(m)	
C	1	100	52 . 60 W	SE	P 9 9	7450	00 T	7 0 1	1 54 72	3001	5873	75	30
SBE 9+ 09P89	9P89 1 6 6 0	TIMES	JD/TIME	ME			DA	DATA LOCATION	NO		REMARKS		5 20R
PRESS SN	N 29772	DATA ON	. !		 	Tape/Diskette ID	tte ID	File	File Name/Header	ader			
PRI TEMP SN	P SN 884	START DOWN	NN						,				
SEC TEMP SN		Ат рертн				!					Clea	Cleaned air bleed valve	d valve
PRI COND SN		AT SURFACE	 								MAX. DEPTH =		E
NO CINCO CES	1	WPAR S/N	4 2 4 2		FLUOR S	S.	3	CHIAM S/N	- 1			TRANS. S/N	
POS.	TRIP DEPTH		ıl	VERTED	MONITOR VALUES	VALUES	-		SAMI	SAMPLE BOTTLE DATA	<u></u>	SAMPLE BOTTLE NUMBER	E NUMBER
								,	<u> </u>			ļ	
	PRE	PRESSURE	PRI. TEMP	MP.	SEC. TEMP	EMP	SAI	SALINITY		SALINITY	SAL	- 1	CHL. NUTR.
1	700ab							i			32	7 - N	
2	50										<u> </u>	10	
8	107								24			A	
4	30										-	300	2 :
က	55									!	 	750-5	7_5
9	0											1.54	
7	0			<u> </u>								7-23	2
80			·										
6											1		
10		ı			ļ				<u> </u>		1		
11	,							į					
12	- ;-												
	-	, · ·		54-	C .	Coceos		Pale geen	der.	* 7	Roba	* Probably no	this the
											į	f)	くここ

VESSEL RV Miller Freeman			PROJEC MF99-11	PROJECT & LEG MF99-11	g	OSDB 1.D.	l.D.			STATIC	ON DESI	STATION DESIGNATION		
				<u></u>										₹\$ ·
CONSC # F200	- ONO	HOLLE	DATE : ID=		TIME (GMT)	DRY BULB	WET	SES ST.	VISIBILI P VISIBILI P VISIBILI	SPO CLOUD	WEATH TYPE TYPE	BOTTOM DEPTH	STA. NAME/ID	
DEG	DEG	MIN	DAY MO	YR (HR MIN	(၃့)	1		*	(m/s)	. *	(m)		
_ N		W > Z . 6 9 . Z . W	15	6 6 d	0440	% N	9	153	7305	6	\$ 7 2	69	a	-
9P89 1 6 6	[T/Qr	JD/TIME			/Q	DATA LOCATION	NOI			REMARKS	KS	algeria Thirth	
2 9 7	DATA ON				Tape/Diskette ID	tte ID	Ē	e Name	File Name/Header			w063	W	
NS NS	START DOWN	N N												
_	AT DEPTH										Clean	Cleaned air bleed valve	ed valve	
	AT SURFACE	 		J —							MAX. DEPTH =	EPTH =	m >0	
_	N/S AAD	4 2 4	2	FLUORS	1 5 L	8	CHIAM S/N	N/S M			TRAI	TRANS. S/N		
POS. TRIP DEPTH			VVERTED	MONITOR VALUES					SAMPLE BOTTLE DATA	OTTLE A	SAM	SAMPLE BOTTLE NUMBER	E NUMBES	or.
														WHIT's
- PRE	PRESSURE	PRI. TEMP	EMP.	SEC. TEMP	EMP	/S	SALINITY		SALINITY	≱	SAL.		CHL. NO.	NUTR.
7000											00	A-3/2		
							į		ļ			43	7	
-					,	ł			:			10-33	Z	
<u> </u>						·						65-4	3	
-												A-3/	,	
 -						•	: :					A-30)	
_												A-299	2	
8							1		ļ					
ō				ļ										
10		^												
11				ļ						:				1
12														
							77	人でよる ジャ		Cacoldas	7			

VESSEL RV Miller Freeman	reeman				PROJE MF99-	PROJECT & LEG MF99-11		DSDB 1.D.	.D.	*	S	STATION DESIGNATION	SIGNAT	ion	
							TMIT	>%	FHW	SSURE TATE YTIJIBI	M QN M		ATHER BOTTOM	<u>—</u> O	STA.
CAST #		LATITUDE	LONG	LONGITUDE	DATE JD=	>	(GMT)	BULB		∀∃S *	DIRN. SI (deg) (m	4 TYF			NAMETD
22	25 TO 0 . 9	Z 6	1 6 4	% 0 %	S E	9 6 d	1 190	οο .Ω	00	3	1 -1	5873		69	
	9P89 1		TIMES					DA	DATA LOCATION	NO!		REM/	REMARKS	12 28	1
PRESS SN	2	9772	DATA ON			Ta	Tape/Diskette ID	te iD	Ë	File Name/Header	eader		-		;
PRI TEMP SN		884	START DOWN	NN NN					1		İ	ح [100 M	70	Annual Control of the
SEC TEMP SN		889	ТАТ БЕРТН						ļ			<u> </u>	Cleaned air bleed valve	v beed v	alve
PRI COND SN		530	AT SURFAC	Щ.							ì	MAX.	MAX. DEPTH =	65	٤
NS CINCO CHA		303	MPAR S/N	4 2 4 2		FLUOR S/N	1 2	3	CHIAM S/N	- 1			TRANS. S/N		
POS.				lo l	NVERTED M	MONITOR VALUES	ALUES			SAN	SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER	OTTLEN	UMBER
		0	100000	PRI TEMP	a N	SEC. TEMP	d M	√ S	SALINITY		SALINITY	SAL	L. NUTR.	R. CHL	WHIT'S NUTR.
	٥											3	eh-43	76	
2	8												14-4	7	
8	40											1	0h-H	7 ~	,
4	30			,		ļ						<u> </u>	M-39	7	- 1
5	20				9					1			A-33	7	-
9	01				<u>.</u>					<u> </u>				7 2	
7	0											<u> </u>	4	1000	· 3 /
ω.											ļ	1		\perp	
6										1			-	-	_
10												<u> </u>			
11	,											<u> </u>		+	
12										-	1			-	
									27.7	~ ~		to Dural might	K.S.		763 1
										the halo		~ ot	いるな	>	

1St Cout Wear Pertus
D Line, St. Severe
PROJECT & LEG V BSDB 1.D.

PG 23 OF

WHIT's NUTR. STA. NAME/ID TRANS. S/N SAMPLE BOTTLE NUMBER Ε Cleaned air bleed valve STATION DESIGNATION 유 W/0 245 BOTTOM DEPTH 46 MAX. DEPTH = NUTR. REMARKS **ИЕАТНЕЯ** SAL. <u>Т</u>БЕ WIND WIND CLOUD (amt) (s/ш) SAMPLE BOTTLE SALINITY File Name/Header VISIBILITY **SEA STATE** DATA LOCATION ChIAM S/N 0-0 WET BULB (၁ SALINITY 2 Ο (λ₀ DRY BULB (C) Tape/Diskette ID 6 SEP991626 HR TIME (GMT) CTD CONVERTED MONITOR VALUES Floomer Pluocomete SEC. TEMP AFLUOR S/N Ϋ́ MF99-11 QW DATE JD= DAY News **JD/TIME** PRI. TEMP. W612. 36 PB AT SURFACE

PAR S/N 4 2 4 2 LONGITUDE START DOWN AT DEPTH DATA ON TIMES DEG PRESSURE 10 20 50 246 50 9 LATITUDE 297 SBE 9+ 09P89 1 6 6 ZΙΣ 530 SEC TEMP SN 889 RV Miller Freeman SEC COND SN TRIP DEPTH 243 4 SO 100 50 8 PRI COND SN PRI TEMP SN PRESS SN CONSC CAST# POS. 10 Ξ 12 PG AH OF

VESSEL RV Miller Freeman			:	PRC MF9	PROJECT & LEG MF99-11		DSDB I.D.	.D	(6)	IS	ATION D	STATION DESIGNATION	1-N-		
								-	3TA1	A 11	(ims) (- И ЗН			
	LATITUDE	DNOT	LONGITUDE	DATE JD=		TIME (GMT)	DRY BULB	WET	2EA S S A3S	VISIBIL DIRN.	WIND OLOUI PD TYPE	WE BOTTOM WE DEPTH		STA. NAME/ID	
i I	WIN	DEG	NIM -		O YR	HR	(2,)	() ()		(deg)	(m/s) *	(E)		100	
24562	21.06 N	16928	% · · 6 W	<u>s</u>	E P 9	1 1 1	1.4	\(\frac{1}{2} \)	231	73000	0686	6	7	5	
SBE 9+ 09P89 1	0 9 9	TIMES	/Qr	JD/TIME			DA	DATA LOCATION	NOI		REM/	REMARKS			
PRESS SN 2	9772	DATA ON			1	Tape/Diskette ID	tte ID	File	File Name/Header	Header	3	WO (26	0	^ [
PRI TEMP SN	884	START DOWN	N N									Not suc if Anorander	f. Ano		
SEC TEMP SN	889	АТ ОЕРТН									Ö	Cleaned air bleed valve	oleed valv	いひろ	<u>د</u>
PRI COND SN	530	AT SURFACE	řř.		· ·						MAX	мах. DEPTH = 127	28)	E	
SEC COND SN	303	YPAR S/N	4 2 4	2	FLUOR S/N	ည	3 10	ChIAM S/N	I S/N		<u> </u>	TRANS. S/N	. !		
POS. TRIP DEPTH				CTD CONVERTED I	MONITOR VALUES	VALUES			is .	SAMPLE BOTTLE DATA	<u> </u>	SAMPLE BOTTLE NUMBER	TTLE NUI	MBER	
		, L	Ī			<u> </u>		\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	<u> </u>) Line			<u> </u>	WHIT'S	
1	PRESSURE	1 P	TAT. IEMIT.	T T	SEC. JEMP	- FINE	NA NA	SALINII Y		SALINITY	SAL.	:	į E	NO.	
レイナ	101		.2	`							I	T.			
7,7	91								+			20 2	,		
5.	5											1 0°			
10	<u>.</u>	,		-								57			
Ş	5						-					56	>		
20	2		Ñ.									55	>		
0	0)											54	>		
0	8						,				·	53	>		
					,										
10		-		Ę			^								
1 ,	3# -		•			160 170									
12	: -				700										
				,											

	STA. NAME/ID		25	1	1	Į	4	Ε		BER	WHIT'S NUTR.												
			577 6	114	C +C + DO		ed valve	10		LE NUM	CHL.			7	2.	/	>	1	1				
SNATION 24	BOTTOM	(E)	1 2	တို	toro2 X		Cleaned air bleed valve	TH=	S. S/N	SAMPLE BOTTLE NUMBER	NUTR.	2756	55	54	53	464	A 63	70 V	4 5/				
STATION DESIGNATION			% 4€	REMARKS	10+562 TW		Cleane	MAX. DEPTH =	TRANS. S/N	SAMPI	SAL.	748					7	1					
STATIC	WIND (amt) COUD (amt) PPE PPE PATEMENT STATEMENT STATEME	(m/s)		oles	<i>a</i>		<u> </u>	<u> </u>	<u> </u>		<u> </u>												
	WIND	(geb)	li	17.0	eader					SAMPLE BOTTLE DATA	SALINITY												
25	PRESSURE SEA STATE VISIBILITY		2317	N.	File Name/Header				 N/ 1/2	SAN	<u> </u>												_
	WET SE	(S)	£ . 5	DATA LOCATION	File		<u> </u>		ChlAM S/N		<u></u>								:	i			
DSDB I.D.			05	DATA I		4	<u> </u>		NO		SALINITY	4			-								
	DRY	(၁့	7		ette ID				ے ع														
	TIME (GMT)	HR MIN	757		Tape/Diskette ID				1 5	ALUES	MP											17.	
T & LEG		YR H	1 6 6		<u> </u>			<u> </u>	FLUOR S/N	D MONITOR VALUES	SEC. TEMP								Þ				
PROJECT & LEG MF99-11	<u>-</u>	MO	SEP						<u> </u>	TED MON										v			
	DATE	DAY	w 6s	JD/TIME					2	CTD CONVERTE	EMP.						٠			-			
	UDE	NIM	. 57 W	3		_			4 2 4	CTDC	PRI. TEMP.						35				ļ		
,	LONGITUDE	_	726	"	NO	START DOWN	ЕРТН	AT SURFACE	X PAR S/N											3			
	·	DEG	49/NZ	TIMES	DATA ON	STAR	АТ DEРТН	ATS	\(\frac{1}{2}\)]] }	PRESSURE	0	+	<u>و</u>							-	,	
	UDE	7	.07	0 9	772	- 1					PRE	011	74	20	117	31	2		Z				
eman	LATITUDE		624	39 1 6	2 9	N 884	NS 889	N 530				10	75	50	40	30	20	10	0	,			
VESSEL RV Miller Freeman	CONSC CAST #	DEG	2556	SBE 9+ 09P89	PRESS SN	PRI TEMP SN	SEC TEMP SN	PRI COND SN	SEC COND SN	S. TRIP DEPTH			7	5	7		7						
VESSEL RV Mille	CAS	L	10	SBE	PRE	PR .	SEC	A N	SEC	POS.	^	-	2	ۍ ا	4	. 2	9	7	8	6	10	Ξ	12

			STA. NAME/ID		26				Ae Ve	Ε		MBER	WHIT'S NUTR.	8											
ř	-10			ļ	2				ed val	8		LE NU	H		27	>	1	>	/	/	>				
PG 260F	STATION DESIGNATION $\mathcal{L}_{\mathcal{L}}$		BOTTOM		100	KS	88		Cleaned air bleed valve	MAX. DEPTH =	TRANS. S/N	SAMPLE BOTTLE NUMBER	NUTR.	Hatt	27 63	23 42	1940	2760	138E	3758	2325				
	ON DES	HER HER	39YT TYPE		7 7	REMARKS	0/3	`	Clea	MAX. D	TRAI	SAM	SAL.	4											
	STATIC	(3ms) (WIND OIL	* (s/m)					<u> </u>			7 1 1													
			WIND DIRN.	(deb)		Lt avies	ader					SAMPLE BOTTLE DATA	SALINITY												
	**	3TAT YTI.	SEA S	*	4		me/He					SAM					i								
		∃ଧ∩ย	PRESS	(mp)	23	ATION	File Name/Header				ChIAM S/N														
	3 I.D.		WET BULB	(၃)	7.0	DATA LOCATION	il.	!			Chl/]	SALINITY												
	DSDB 1.D.	10	DRY BULB	(၁.)	7.9	۵	ite ID				3	78	±.												
	93		TIME (GMT)	HR MIN	938		Tape/Diskette ID				S/N 1 5	VALUES	TEMP											83	
	PROJECT & LEG MF99-11			O YR	6 6			=	1 1		FLUOR S/N	D MONITOR VALUES	SEC. TEMP												
12	PROJEC MF99-11		DATE JD=	DAY MO	SE	ME				لر	×	NVERTED	AP.												
	98			MIN	. 8 4 W	JD/TIME					4242	CTD CONVERTE	PRI. TEMP.				100		W				_		
	4/1		LONGITUDE	Σ	6		z	DOWN	Ŧ	FACE		.at	10												
				DEG	169	TIMES	DATA ON	START DOWN	АТ ОЕРТН	AT SURFACE	X PAR S/N		URE		:	-	(S (2					
	1		Щ		7 N	0	7 2						PRESSURE	8	76	80	440	30	20	10	d			22	
	_		- LATITUDE	Z	ト	166	2 9 7	884	889	530	303								_						
	VESSEL RV Miller Freeman	_		DEG	26563	- 1		4P SN	MP SN	NS QN	NS QN	TRIP DEPTH		8	245	50	40	30	20	01	0			31	
ri.	VESSEL RV Mille	,	CAST #		26	SBE 9+ 09P89	PRESS SN	PRI TEMP SN	SEC TEMP SN	PRI COND SN	SEC COND SN	POS.		-	2	3	4	5	9	7	8	6	10	11	12

Well-mixed

			}	-			Were marked				Z Z Z Z	FAIACIOL	140	
VESSEL RV Miller Freeman	-			AA FA	PROJECT & LEG MF99-11	<u>တ</u>	DSDB I.D.	.D.	¥	<u>n</u>	AIION D	STATION DESIGNATION	710	
CONSC	ATITE IDE	ONC -	EGUTIONO	DATE	= G	TIME (GMT)	DRY BULB	WET	PRESSURE SEA STATE VISIBILITY	WIND DIRN.	SP (Smt)	желнш Эше Эше Эше Эше Эше Эше Эше Эше Эше Эш		STA. NAME/ID
DEG	MIN	DEG	Min		MO YR	HR MIN	(၁့)	(၁)		(deg)	*	(m) *		
G	10 N	WPG. 8-691	60.0	N 6.8	E P 9 9	1943	00	7.024	7 176		46		73	128
9P89 1			/Qf	JD/TIME			DA	DATA LOCATION	rion	Lt.airs		REMARKS 5	Les Se	CUKKON
PRESS SN 2	9772	DATA ON	ļ	i		Tape/Diskette ID	tte ID	Ē	File Name/Header	leader	iQ.	700		
PRI TEMP SN	884	START DOWN	NA NA	į				1			3	30 6	00	
SEC TEMP SN	889	АТ ОЕРТН		İ							<u>=</u>	Cleaned air bleed valve	bleed va	e ×
	530	ATSURFACE	 Щ						!		MAX	MAX. DEPTH =	62	Е
_	303	MPAR S/N	4 2 4	2	FLUOR S/N	S/N 1 5	· e	ChIA	ChIAM S/N	Not	<u> </u>	TRANS. S/N		
_				CTD CONVERTE	ED MONITOR VALUES	VALUES			AS	SAMPLE BOTTLE DATA		SAMPLE BOTTLE NUMBER	OTTLE N	JMBER
	000000000000000000000000000000000000000	<u> </u>	TEMP ISO	a W	S A S	SEC TEMP	AS AS	SALINITY		SALINITY	SAL	NUTR.	S. CHL.	WHIT'S NUTR.
1	S S S S S S S S S S S S S S S S S S S	3000									16	8ttc	0,0	
50					٨							7775	7	
3 40					,						<u> </u>	237	7	
											1	250	7	
5 Zb											_	HEEC	2	
6 10											<u> </u>		2	
0 2												5	7	
80				i									1	
6							:		 			1	-	_
10								į						
11						*1					<u> </u>		-	-
12													_	

TINDE	VESSEL RV Miller Freeman			M M	PROJECT & LEG MF99-11	, LEG	DSDB I.D.	.O.			STATIC	ON DES	STATION DESIGNATION	7	
MIN DEG MIN DAY MO YR HR MIN (°C) (°C) (mb) · (°C)	O #		NGITUDE		=9	TIME (GMT)	DRY		SEA STATE	WIND DIRN.	WIND CO	TYPE		A STA. NAME/ID	Á, E/ID
23 .57 N 1 69 28 . 90 0 7 4 6 . 0 7 . 5 2 N 1 69 28 . 90 0 7 Mes 1 6 6 0 TIMES JOITIME DATA LOCATION CHOALS RE 2 9 7 7 2 DATA ON 884 START DOWN 889 AT DEPTH 889 AT DEPTH 889 AT SURFACE 530 AT SURFACE CTD CONVERTED MONITOR VALUES PRESSURE PRI. TEMP. SEC. TEMP SALINITY SALINITY 9 PRESSURE PRESSUR	DEG	- DEG	NIM	1	-	┿	(0,)		*	(deg)	(s/ш)	*			
1	623	69 I X		s %0	_			. 5				37		*	20
San	1 6 6	0 TIMES		ME				TA LOCATION	<u>N</u>	なった		REMAR	KS		
SN 884 START DOWN SN 889 AT DEPTH SN 530 AT SURFACE CTD CONVERTED MONTOR VALUES SALINITY SAL	2 9	2	7			Tape/Disk	ette ID	File	Name/	Header	!			36	
Sign AT DEPTH Sign AT SURFACE Sign Chiam Sin Sample Bottle Data Data Sign S	 	Τ	NWO							i		Ī	100	200	
AT SURFACE ALUOR S/N 1 5 3 Chiam S/N SAMPLE BOTILE	1	AT DEPT	 								<u></u>	Clea	ned air bl	eed valve	
PRESSURE PRIVITEMP. SEC. TEMP SALINITY		AT SURF	-ACE									MAX. D	- 1	w/2	E
Sample Bottle Sample Bottle Sample Bottle		o ava	4 2 4			-		ChlAM	N/S			TRA	NS. S/N		
36 SALINITY SALINITY SALINITY SALINITY SAL NUTR. 30 30 30 30 30 30 30 30 30 30 30 30 30	TRIP DEPTH			NVERTE	MON D		1			AMPLE BO	TTLE	SAN	PLE BOT	TLE NUMB	BER
PRESSURE PRI. TEMP. SEC. TEMP SALINITY SAL. NUTR.				ļ					<u> </u>						S,LIHM
30 30 10 10 10 10 10 10 10 10 10 10 10 10 10		PRESSURE	PRI. TE	MP.	SS	C. TEMP	SAI	LINITY		SALINIT	>		NUTR.		NUTR
20 70 10 10 10 10 10 10 10 10 10 10 10 10 10	36														
0 0 0	30												2782		
	000			:		-			+				37.81		
	07								1				03×6		
	0			-		ļ							2779		
									<u> </u>						
				,	_		,		1	į					
		,			.				\dashv						
									\dashv	i		\perp	\perp		
													_		
					_	·			$\frac{1}{1}$				$\frac{1}{1}$		
	2		-		_				=			<u>.</u>			

1st Station. St. Paul Island (shallow ovel)

1			DECT & LEG	_ EG	G BOSOF D			STAT	STATION DESIGNATION	NATION	
VESSEL RV Miller Freeman	_		MF99-11)					54-1	7	07
CONSC				TIME	DRY 1 B	WESSURE E H	EA STATE YTIJIBICIT	WIND (amt)	J4Y VEATHER	BOTTOM	STA. NAMEND
CAST # LATITUDE		LONGITUDE	DAY MO YR	1	(C)		۸ . S .		۸.	-	
_	-	W Co	Ш	0	0 01	9.0060	9	lt ales	1	81	30
6	O TIMES		111		PA	DATA LOCATION	Z		REMARKS		
6 0	7 2			Tape/Diskette ID	tte ID	File	File Name/Header	der	0	Ofer	
SN 884		NW NW						•	60	2 0	:
						<u> </u>	ě		Cleane	Cleaned air bleed valve	alve
	AT SURFACE) 	ļ 				İ		MAX. DEPTH =	TH =	ε
		- 1	N'S AOI 1 EI	7 N/S C	6	Chiam S/N	 N/S		TRANS. S/N	S/N/S.	
SEC COND SN 303	PAR SIN	1			,		י∟	E ITTO E ICHAR	1	SAMPLE BOTTLE NIMBER	IIIVINER
POS. TRIP DEPTH		CTD CONV	CTD CONVERTED MONITOR VALUES	R VALUES			SAMI	DATA			
	PRESSURE	PRI. TEMP		SEC. TEMP	SA	SALINITY	<i>σ</i>	SALINITY	SAL.	NUTR. CHL	WHIT's NUTR.
72566										3	
Cut										000	-
										1	
2/6										106	
									2	1387	
C7 9									200	7 48-6	
2									. 0	3783 1	
, α											
0				-						-	
10											
11	12.					17					
12											

4.53	

VESSEL RV Miller Freeman				PRC	PROJECT & LEG MF99-11	EG	DSDB I.D.	.D.		STAT	STATION DESIGNATION	GNATION	49	
CONSC CAST # LATI	LATITUDE	LONGITUDE		DATE JD=	<u> </u>	TIME (GMT)	DRY BULB		SEA STATE VISIBILITY	WIND WIND DIRN. SPD.	S WEATHER TYPE TYPE WEATHER	ВОТТОМ DEPTH	STA. NAME/ID	A. E/ID
DEG	MIN	DEG M	H	DAY	MO YR	HR ⊠		ш) (Э,)		(deg) (m/s)	. 7	(E)		
315715	5. S	17010	9 1 W 09 S E	60 S	В 9 9	4050	0	9.00	70	4 dies		43	2	
SBE 9+ 09P89 1 6	0 9	TIMES	JD/TIME	ME			DA	DATA LOCATION	Z		REMARKS	{S		
PRESS SN 2 9	772	DATA ON	ļ		I	Tape/Diskette ID	ette ID	File	File Name/Header	ıder	3	he on		į
PRI TEMP SN 80	884	START DOWN	:	,	ı						_[:	
SEC TEMP SN 8		АТ ОЕРТН						. 1			Clear	Cleaned air bleed valve	ed valve	1
		AT SURFACE	į	ì	l						MAX. DEPTH =	-	0,	٤
		N/S AAG	4 2 4 2		FLUOR S/N	S/N 1 5	8	CHIAM S/N	N/S	1	TRAN	TRANS. S/N		
	303		CTD CON	WERTED	MONITO	CTD CONVERTED MONITOR VALUES				SAMPLE BOTTLE DATA	<u> </u>	SAMPLE BOTTLE NUMBER	LE NUME	3ER
		ш	PRI TEMP	٩	SEC	SEC. TEMP	SA	SALINITY	ν ·	SALINITY	SAL.	NUTR.	CHL.	WHIT'S NUTR.
}	717										35	7387	7	
0												278%	,	
2 0												2785	2	
7											<u>.</u>			
+ 0														
G								-						
2				,										
à														
o o													•	
10														
11						.			<u> </u>		<u> </u>			
12									-					

PG OF

WHIT'S NUTR. STA. NAME/ID SAMPLE BOTTLE NUMBER Ε Cleaned air bleed valve 당 \sim 4 STATION DESIGNATION BOTTOM DEPTH 3790 つかり NUTR. 58EC MAX. DEPTH = $\widehat{\mathbf{E}}$ 1568 1-9 TRANS. S/N REMARKS MEATHER SAL. 0 S WIND (amt) (s/ш) SAMPLE BOTTLE WIND SALINITY DIRN. DATA (ded) File Name/Header YISIBILITY 900 ChIAM S/N (mb) DATA LOCATION PRESSURE WET BULB (၃ SALINITY DSDB I.D. 0 DRY BULB ပ္ Tape/Diskette ID က S 050 HR MIN TIME (GMT) CTD CONVERTED MONITOR VALUES SEC. TEMP PROJECT & LEG MF99-11 FLUOR S/N თ ნ 쏬 Ω. ş S DATE JD= - 03WD9 ₽ JD/TIME PRI. TEMP. N LONGITUDE START DOWN AT SURFACE ٥ PAR S/N AT DEPTH 104 N 40 DATA ON TIMES DEG PRESSURE 2 LATITUDE 0 ~ 9 6 Z 884 889 530 303 7 9 0 **RV Miller Freeman** DEPTH SEC TEMP SN SEC COND SN 06 DEG SBE 9+ 09P89 TRIP 20 PRI COND SN 0 PRI TEMP SN PRESS SN <u>رم</u> CAST# CONSC VESSEL POS. 5 7 7 Ŋ 6 N က 4 9 ω

7,48

4,59

PG OF

7.29

	۵	ŝ	33		ł					~		WHIT'S NUTR			- 44									Ī
11	STA. NAME/ID						alve	E		SAMPLE BOTTLE NUMBER			_	_	_					igdash			:	1
Z		- -	8			7	Cleaned air bleed valve	9/7		TLE N		CHL												
STATION DESIGNATION	ВОТТОМ DEPTH	€	49		. [0	l air bl	上	NS NS	BOT		NUTR.	1	R ST	465	393	2793							
ESIGI 5	ABHTABW	. 3	1	REMARKS		3	eanec	MAX. DEPTH =	TRANS. S/N	AMPLE	,		,	R	1	4	0							
JOIL	CLOUD (amt)	*	/	REM			<u> </u>	¥	Ē	ls L		SAL.	y.											
STAT	SPOUD (amt)	(s/w)	3				1			TTLE														
	Wind DIRN.	(deg)	It ales		ader				2	SAMPLE BOTTLE	DATA	SALINITY												
	SEA STATE YTIJIBISIV	*	W		e/Hea					SAMP		Ś												
	PRESSURE TATE ATP	* (dm)	30 FD	NO	File Name/Header				N/S															:
	T: 81	_	G	OCAT	발				ChIAM S/N			>											8	
31.D.	WET		0	DATA LOCATION								SALINITY											İ	
DSDB I.D.	DRY BULB	ାତା_	<u>.</u>	Õ	0							S/	,											
			6		ette II				ო															
	TIME (GMT)	HR	44		Tape/Diskette ID				1 5	UES		Δ.											**	
LEG	(9 ⊐	-	9 57		Тар				N/S	R VAL		SEC. TEMP												
ECT &		>	ი ი						FLUOR S/N	ONITO	20	SEC		:	(2)									
PROJECT & LEG MF99-11	71	S	ш		İ					CTD CONVERTED MONITOR VALUES														-
	DATE	DAY (8 6 0 M	Ā						VERT		₫.						8						
		-	≥ 00	JD/TIME					4 2	NO CO N		PRI. TEMP				123		27						
All .	J. DE	Z Z	. (7			4 2	5		H.												
ii.	LONGITUDE		6		Z	DOW	Ē	FACE	N/S								9.		_					
	15		17009	TIMES	DATA ON	START DOWN	АТ ОЕРТН	AT SURFACE	PAR S/N			뽒												
		丁	z	<u> </u>	2 D	<u></u>	⋖	∀ ::		IJ 		PRESSURE											찞	
	UDE		71.00	0 9	7 7		T					PR												
ug:	LATITUDE			1 6	2 9	884	889	530	303														_	=
reem		DEG	14	9P89	,	NS C	P SN	NSC	D SN	TRIP	DEPIH		70	30	R	Ō	0						6	
VESSEL RV Miller Freeman	CONSC CAST#	Ç	3357F	SBE 9+ 09P89	PRESS SN	PRI TEMP SN	SEC TEMP SN	PRI COND SN	SEC COND SN	l													 	-
Ä Š Š	88			SBI	PR	PR	SEC	PR	SE	POS.			-	2	3	4	5	9	7	8	6	10	11	

PO

PG

WHIT'S NUTR 34 STA. NAME/ID SAMPLE BOTTLE NUMBER Ξ STATION DESIGNATION A 6 Cleaned air bleed valve 9/2 001 CHL. 5 ВОТТОМ DEPTH 66LC 2800 2640 MAX. DEPTH = 2756 Lote NUTR. TRANS, S/N 1ペノノ 0 REMARKS ЯЗНТАЗW SAL. LAbE WIND WIND CLOUD (amt) (s/ш) SAMPLE BOTTLE 105012 SALINITY DATA File Name/Header VISIBILITY **BTAT2** AB2 900.6 (dm) DATA LOCATION ChIAM S/N WET BULB (J) SALINITY DSDB I.D. 0 DRY BULB (C) Tape/Diskette ID $^{\circ}$ S 0-90 HR MIN TIME (GMT) CTD CONVERTED MONITOR VALUES SEC. TEMP FLUOR S/N PROJECT & LEG ΥR MF99-11 8 DATE JD= ഗ DAY 7008.20 WOG JD/TIME PRI. TEMP. LONGITUDE START DOWN AT SURFACE PAR S/N AT DEPTH DATA ON DEG TIMES PRESSURE 33 LATITUDE 9 7 9 ZΣ 884 889 530 303 6 9 RV Miller Freeman SBE 9+ 09P89 1 DEPTH 3 SEC TEMP SN Ō DEG SEC COND SN S TRIP PRI COND SN 1 0 $\frac{T}{\infty}$ PRI TEMP SN 345 PRESS SN CAST # CONSC VESSEL POS. 10 -S ග ∞ Ø

PG OF

	45	STA. NAME/ID		55				ā	٤		/BER	WHIT'S NUTR.										Œ		
OF	z	 =		, , ,			3	eed valv	53	4	TLE NUN	CHL.	7)	7	7.	/			,				
PG	GNATIO	BOTTOM	(m)	<u> </u>	S			Cleaned air bleed valve	PTH =	TRANS. S/N	SAMPLE BOTTLE NUMBER	NUTR.	2805		HOSE	2803	€06C	180g		÷				
<u>. </u>	STATION DESIGNATION	CLOUD (amt) TYPE WEATHER	. *	<i>₹</i> ? /	REMARKS			Clean	MAX. DEPTH =	TRAN	SAMP	SAL.	151						,	,				
	STATI	WIND SPD.	(m/s)	0 1 0					- 		TTLE	· >					•					· ·		
		WIND DIRN.	(deb)	060		eader					SAMPLE BOTTLE DATA	SALINITY												
	37	PRESSURE SEA STATE YTIBICITY	* (dm)	7 1	N	File Name/Header	·			Įι	SAN		<u> </u>			•			,					
		WET BULB	(°C)	P 00 P	DATA LOCATION	File				ChIAM S/N		≿		. ,						500				
	DSDB I.D.		(,(B	DATA							SALINITY												
	SO	DRY BULB	(၁၄)	Q _p		itte ID				3														
	(D	TIME (GMT)	HR Min	6633		Tape/Diskette ID	,			1 5	ALUES	MP								9+		37	83	
3	PROJECT & LEG MF99-11	<u></u>	YR	0 6 6		<u> </u>				FLUOR S/N	CTD CONVERTED MONITOR VALUES	SEC. TEMP		*		>	8					i de		
6.93	PROJECT MF99-11	_O.	MO	SEP						<u> </u>	ED MON												· 	
		DATE	DAY	6 Q _M	JD/TIME					2	ONVERT	EMP.								,				
		JOE	MIN	12007.88W09	/Qr					4 2 4	CTD C	PRI. TEMP				,								
		LONGITUDE	2	700		NO	START DOWN	PTH	AT SURFACE	PAR S/N	!				_									-
	TT		DEG		TIMES	DATA ON	START	AT DEPTH	AT SU	PAF]	PRESSURE	,								٠.			
		, , ,		N CO	0	7 2		v			4	PRES												
	nan	LATITUDE	MIN	5730.	1 6 6	2 9 7	884	1 889	530	303	, ±							-			- 1			
	VESSEL RV Miller Freeman	× ×	DEG	. .	SBE 9+ 09P89	S SN	PRI TEMP SN	SEC TEMP SN	PRI COND SN	SEC COND SN	TRIP DEPTH		50	0'h	CE I	06	0	0				-		
	VESSEL RV Mille	CONSC CAST#		35	SBE 9	PRESS SN	PRI TE	SEC T	PRIC	SECC	POS.		1	2	က	4	5	9	7	∞	6	10	7	15.

PG OF

					,		chin	~ 50								
VESSEL RV Miller	VESSEL RV Miller Freeman		,	•	PRO	PROJECT & LEG	БG	DSDB	DSDB 1,0. (6.3	:5	0)	STATION DESIGNATION	DESIGN	AATION	120	
,	· ·									3.		()w) 2			
CONSC		23					H H	\ <u>a</u>		TATS. TATS.	ON!/V	s) av	1∃ЙТ/	MOTTO		V 1.0
CAST #		LATITUDE	LONG	LONGITUDE	DATE JD=	11	(GMT)	BULB		SEA	DIRN.	SPD CLO	/3M	DEPTH		NAME/ID
	DEG	MIN	DEG	MIN	DAY MO	O YR	HR	(၁.)	(C,)	*	(deb)	*		(m)		
36	365723	390		17005.95W09	တ	E P 9 9	0703	6	30	F 8 + 8	090	7	3V	60		36
SBE 9+ 09P89	09P89 1	099	TIMES	JD/TIME	IME			DA	DATA LOCATION	NO		REN	REMARKS			
PRESS SN	SN 2	9772	DATA ON		,	1	Tape/Diskette ID	tte ID	File	File Name/Header	leader			4		
PRI TEMP SN	P SN	884	START DOWN	ξ									د	0	50	
SEC TEMP SN	MP SN	889	АТ ОЕРТН										Cleaned air bleed valve	air ble	ed valve	
PRI COND SN	ID SN	530	AT SURFACE			,			, ,			<u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>	MAX. DEPTH =	H = 1	5	u E
SEC COND SN	ND SN	303	PAR S/N	4242	٠	FLUOR S/N	S/N 1 5	8	CHIAM S/N	N/S			TRANS. S/N	N/S		
POS.	TRIP	-		CTD CO	CTD CONVERTED MONITOR VALUES	MONITOR	VALUES			SAI	SAMPLE BOTTLE	<u> </u>	SAMPLE BOTTLE NUMBER	BOTTI	E NUM	BER
	DEP IN				÷		•	-	:		DATA					
		PRESSURE	SURE	PRI. TEMP.	MP.	SEC. TEMP	TEMP	SAI	SALINITY	٠	SALINITY	85	SAL. NI	NUTR.	OH.	WHIT'S NUTR.
1	50		,									C	C	2810	/	
2	04						•						*		/	
ტ	30												d	2800	>	¥
4	30		-										4	2003	7	
S	0)												28	2807	7	
9	0			2									£ 38	380b	/	
7																
80								:						,	Ì	
თ	•					,										
10												:				
F	-						8					_				
12	,					*		^								

00'8 06t

WHIT'S NUTR. STA. NAME/ID 3 SAMPLE BOTTLE NUMBER ε Cleaned air bleed valve 2 MAX. DEPTH = 57 문 4 STATION DESIGNATION **BOTTOM** DEPTH 20225 NUTR. $\widehat{\mathbb{E}}$ 11 BC \mathfrak{A} 03 TRANS. S/N ž 10 REMARKS 8.0082706514/12 RENTAER SAL. S WING (amt) (deg) (m/s) SAMPLE BOTTLE SALINITY MIND DIRN. File Name/Header VISIBILITY SEA STATE ChIAM S/N (gup) DATA LOCATION PRESSURE WET BULB ပ္ပ SALINITY DSDB I.D. رم رم DRY BULB <u>ဂ</u> Tape/Diskette ID Ŋ HR 375725 85 NI 7002 . OOWD 9 SEP 9 9 D 733 TIME (GMT) CTD CONVERTED MONITOR VALUES SEC. TEMP FLUOR S/N PROJECT & LEG <u>₩</u> MF99-11 OM DATE JD= AVG JD/TIME PRI. TEMP. LONGITUDE Z PAR S/N 4 START DOWN AT SURFACE AT DEPTH DATA ON DEG TIMES PRESSURE N LATITUDE 0 9 7 16.6 DEG MIN 303 884 889 530 0 RV Miller Freeman 30 DEPTH 10 SEC COND SN 9 2 SBE 9+ 09P89 PRI COND SN SEC TEMP SN TRIP 0 PRI TEMP SN PRESS SN CAST # CONSC VESSEL POS. 9 12 Ţ က Ŋ 9 ω 6

~33m

PG OF

PG 38 OF

VESSEL				 K	PROJECT & LEG	EG	DSDB I.D.	.D.	25	ST/	STATION DESIGNATION	SIGNATIO		12
RV Miller Freeman	man			≝	MF99-11				÷		8 9	T		6
					, æ	,			3TA7	-				
CONSC CAST #	LATITUDE	LONG	LONGITUDE	DATE JE	-QC	TIME (GMT)	DRY BULB	WET	PRESSIBILIA	WIND WIN	S WIND SLOUE TYPE	BOTTOM		STA. NAME/ID
DEG	MIN	DEG	MiN		MO YR	HR MIN	(C),	()()	*		L *		$oldsymbol{\perp}$	
385729.	39.39 r	7000	0 . 89 W	N Q S E	E P 9 9	0 8 0	φ <u>γ</u>	1.00	900	10909	<i>₽</i> \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	19	et.	3
SBE 9+ 09P89	1660	TIMES	, ODC	JD/TIME			DA	DATA LOCATION	NOI		REMARKS	KS		
PRESS SN	29772	DATAON			ı	Tape/Diskette ID	itte ID	File	File Name/Header	ader	0/3	5		
PRI TEMP SN	884	START DOWN	NW		1				,	No.	_			
SEC TEMP SN	889	АТ ОЕРТН					٠				Clea	Cleaned air bleed valve	eed valv	Ф
PRI COND SN	530	AT SURFACE	⊃E ः	. 1							MAX. DEPTH =	EPTH =	9	ш
SEC COND SN	303	PAR S/N	4 2 4	2	FLUOR S/N	S/N 1 5	6	CHIAM S/N	N/S	! 	TRAI	TRANS. S/N		
POS. TRIP	_			CTD CONVERTED MONITOR VALUES	MONITOR	3 VALUES			SAM	SAMPLE BOTTLE	<u> </u>	SAMPLE BOTTLE NUMBER	ILE NUN	BER
	I,									DATA				
	PRESSURE	URE	PRI. TEMP.	MP.	SEC.	SEC. TEMP	SAL	SALINITY	"	SALINITY	SAL.	NUTR.	CHL.	WHIT'S NUTR.
9	9										14	1352		
2 56	3											12%	/	
3 40	46		fX									277	/	
4 36	3		,									1219	^	
5 26	20											1218	^	
9	0							٠				120子	, ·	
ر 2	7											1816	^	
80													-	
6							 							
10									-					
-						5) E				-				
12								\ 			· .			

VESSEL RV Miller Freeman	eman		PROJEC MF99-11	PROJECT & LEG MF99-11	EG	DSDB 1.D.	l.D.		STATIC	N DESI	STATION DESIGNATION	Z 1	
CONSC CAST #	ATITIDE	HOLLE	TAO TEO		TIME	DRY BI B	WESSURE	EA STÂTE YTIJIBIÈI S S S	WIND (amt)	УЕРЕТНЕВ	BOTTOM	,	STA.
DEG		DEG MIN	DAY MO	Y.R.	HR MIN	(0)	+	Λ * S *		1 .	E) (E)	+	טול ביי טור ביי
395734	734.13 N	10956.50W	W S E	О 6	9500	0	7.50936		トドー	ন্ <u>ধ</u>	7		39
SBE 9+ 09P89 1	39 1 6 6 0	TIMES	JD/TIME			DA	DATA LOCATION	z	Œ	REMARKS	(S		
PRESS SN	29772	DATA ON			Tape/Diskette ID	itte ID	File	File Name/Header		P2.9/0	529		
PRI TEMP SN	N 884	START DOWN											
SEC TEMP SN	988 NS	АТ DEРТН				<u> </u>			<u> </u>	Clean	Cleaned air bleed valve	eed valv	 •
PRI COND SN	N 530	AT SURFACE			• •				<u>.</u>	MAX. DEPTH =		8	E
SEC COND SN	303	X PAR S/N 4 2 4	2	FLUOR S/N	S/N 1 5	3	ChIAM S/N	Z	<u> </u>	TRAN	TRANS. S/N		
POS. TRIP			CTD CONVERTED MONITOR VALUES	MONITOR	VALUES			SAMPLE BOTTLE	TTLE	SAME	SAMPLE BOTTLE NUMBER	LE NUN	BER
	<u> </u>			23		,		DAIA					
	PRESSURE		PRI. TEMP.	SEC. TEMP	EMP	SAL	SALINITY	SALINITY	<u>}</u>	SAL.	NUTR.	CHL	WHIT'S NUTR.
1 6	(a)	7								7	1229		
2 50	5 51		,			-					877	^	
3 40	40							:			1227	7	
4 33	30									·	1226	^	
5 20	5 20										(22.5	>	
9	11				4		*				1224	1	
7 0	2						٠			_	1223	2	7.
8						,							
6	8												
10	٠												
1											<u> </u>		
12		-				-							

VESSEL RV Miller Freeman	lan			PROJEC MF99-11	ROJECT & LEG 1F99-11	DSDB I.D.	3 I.D.		STATIO	N DESIG	STATION DESIGNATION		
CONSC	DGITIFA		adi ITi ONO		TIME	DRY	WESSURE DESCORE		X X X X X X X X X X X X X X X X X X X	эчү Язнтаз	BOTTOM		۲ م
DEG		DEG	MIN	DAY MO	YR HR N	z	٦	* Cdeg)	or∪ (m/s) *	∗ اــ	E (E)	ZAZ	NAME/ID
4087	5730.03N1700	1700	1 - 3 3 w 1 1	ISEP	0 6	. 94/	· ·				67		40
SBE 9+ 09P89 -1	1660	TIMES	JD/TIME	ME		Ω	ATA, LGCATION	10 12	RE	REMARKS	S		
PRESS SN	29772	DATA ON			Tape/D	Tape/Diskette ID	File Name/Header	ame/Header	J				
PRI TEMP SN	884	START DOWN	NN				,			337	0	87	1
SEC TEMP SN	889	АТ ОЕРТН		-						Cleane	Cleaned air bleed valve	ed valve	
PRI COND SN	530	AT SURFACE	兴			-			Σ	MAX. DEPTH =	i	63	: : E
SEC COND SN	303	PAR S/N	4 2 4 2	<u> </u>	FLUOR S/N	5 3	ChIAM S/N	7		TRANS. S/N	S. S/N		
POS. TRIP DEPTH				CTD CONVERTED MONITOR VALUES	NITOR VALUE	တ		SAMPLE BOT DATA		SAMPI	SAMPLE BOTTLE NUMBER	E NUME	3ER
	PRESSURE	URE	PRI. TEMP	MP.	SEC. TEMP	φ	SALINITY	SALINITY	<u> </u>	SAL.	NUTR.	CHL.	WHIT'S NUTR.
- 2	(63)										92 b l		
2 50			*								5261	/	
3 40												1	
4 30											H261		
5 20					147	-					1923	1	
9			7		•		39				226		
0 2		,									1261	\	
. &	-												
6													
10							,				,		
11													
12		,											
												-	

VESSEL RV Miller Freeman	ns				PROJECT & LEG MF99-11	T & LEG		DSDB 1.D.	D	1997	0)	STATION	N DESIG	STATION DESIGNATION	73-1	-
OSNOO					!	F.	TIME	DRY	WET	SESSURE STATE TATS AS	WIND	S N OUO (smt) H PG A3HTA3		BOTTOM	·	STA.
DEG	LATITUDE	LO DEG	LONGITUDE	DATE		(G) AH AN	(GMT)	BULB		3S *	DIRN.	SPD. C		DEPTH	NAN NAN	NAME/ID
415724.	34.76N	_	21WPH. 40	7 I W	၂ တ	+ -	1-1-1	0	100	44106	<u></u>	770		090		1:4
SBE 9+ 09P89 1	1660	TIMES	/ar	JD/TIME	3			DAT	DATA LOCATION	NO		22	REMARKS	_s		
PRESS SN	29772	DATA ON				Тар	Tape/Diskette ID	te ID	File	File Name/Header	leader					
PRI TEMP SN	884	START DOWN	NWC				,			i						
SEC TEMP SN	889	АТ ОЕРТН	~										Cleane	Cleaned air bleed valve	ed valve	
PRI COND SN	530	AT SURFACE	ACE].]	v						Ž	MAX. DEPTH =	TH =	55	. E
SEC COND SN	303	PAR S/N	N 4 2 4	. 7		JOR S/N	5	3	ChIAM S/N	S/N			TRANS. S/N	N/S		
POS. TRIP DEPTH			CTD CONVERTED	ONVER	RED MON	MONITOR VALUES	-ues			SA	SAMPLE BOTTLE DATA		SAMPL	SAMPLE BOTTLE NUMBER	LE NUM	BER
	PRESSURE	SURE	PRI. TEMP.	EMP.		SEC. TEMP	<u> </u>	SALI	SALINITY		SALINITY	07	SAL.	NUTR.	CHL.	WHIT'S NUTR.
1 billon 55	2											Ø	06	1933		
2 50							:						Manual Principles	1932	/	
3 40					-									931	/	
4 30														930	>	
5 23															_	
97 9			-											1929	/	
. 7					i.	· .						,			_	
01 8														826	<i>\</i>	
\$ 6			,		_											
10 0					٨								-	4261		
11			ı			-		-								
12	,		,							·				•		

Jell 12 190m?

9

ည

WHIT'S 42 NUTR. NAME/ID SAMPLE BOTTLE NUMBER The Cast Ξ STA. WO 63 Cleaned air bleed valve MAX. DEPTH = 62 吊 STATION DESIGNATION BOTTOM DEPTH NUTR. E TRANS. S/N REMARKS (S WIND (Smt)
TYPE
TYPE
WEATHER 8.9004|71|5|00x2 SAL. Q N (deg). (m/s) SAMPLE BOTTLE SALINITY WIND DIRN. DATA File Name/Header VISIBILITY **BTATS ABS** (dm) ChIAM S/N DATA LOCATION WET BULB (၃) SALINITY DSDB I.D. 0 DRY BULB (၁_၈) Tape/Diskette ID က 5 HR MIN 000000 TIME (GMT) CTD CONVERTED MONITOR VALUES SEC. TEMP FLUOR S/N PROJECT & LEG χ MF99-11 425729.41 N 17000. 86W1 25 EP MO DATE JD= DAY JD/TIME PRI. TEMP. 4 2 4 2 LONGITUDE Z Z START DOWN AT SURFACE PAR S/N AT DEPTH DATA ON DEG TIMES PRESSURE N LATITUDE 0 9 7 9 Σ 889 530 303 884 ဖ RV Miller Freeman SBE 9+ 09P89 1 DEPTH DEG SEC COND SN SEC TEMP SN PRI COND SN TRIP 6 9 PRI TEMP SN 50 70 3 PRESS SN CONSC CAST # VESSEL POS. 12 10 -0 က 4 Ŋ 9 8 6

Line 50 Wh of St. Paul Deeper 5h

PG 43 OF

STATION DESIGNATION 82	WIND WIND OD BETTOM STA. DIRN. SPD. CL TY WIND OF THE BOTTOM STA.	(m/s) * * (m)	27511721111	REMARKS	ader / Co	07	Cleaned air bleed valve	MAX. DEPTH = [0 m	TRANS. S/N	SAMPLE BOTTLE SAMPLE BOTTLE NUMBER DATA	SALINITY SAL. NUTR. CHL. NUTR	23-											
DSDB I.D.	DRY WET SEASURE BULB BULB SEA STATE YTSIBILITY	(°C) (mb) *	39 8. 2 7. 01437	DATA LOCATION	Tape/Diskette ID File Name/Header				5 3 CHIAM S/N		SALINITY												
PROJECT & LEG MF99-11	TIME (GMT)	DAY MO YR HR	6W 14SEP99173	JD/TIME .	Tape/D				2 4 2 FLUOR S/N_1	CTD CONVERT <u>ÉD M</u> ONITOR VALUES	PRI. TEMP. SEC. TEMP											,	
	LATITUDE	IIN DEG	1.70 N 17037.1	6 6 0 TIMES	9 7 7 2 DATA ON	884 START DOWN	AT DEPTH	530 AT SURFACE	303 PAR S/N 4		PRESSURE											7	
VESSEL RV Miller Freeman	CONSC CAST# LAT	DEG N	43564	SBE 9+ 09P89 1	PRESS SN 2 8	PRI TEMP SN 8	SEC TEMP SN 8	PRI COND SN 5	NS QNO	POS. TRIP DEPTH		101	2	ဗ	4	2	မှ	2	ω	6	10	11	12