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. Oo 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 9 PRI TEMP SN 9 PRESS SN CONSC CAST # VESSEL POS. 9 7 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 OR NO ON	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 +	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	
ဖ	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 DES	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			·			i I		<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		SAL.	NUTR.	CHL.	WHIT's NUTR.
1 23					3				,		3			
2														
3				939										
4				83										
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O														
10														
11														
12														
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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		PONG	LONGITUDE	DATE JD=	=QC		TIME (GMT)	DRY BULB	WET	BRESSURE BTATS ABS	VISIBILITY VISIBILITY OR WIND		CLOUD (amt) 74YF 94YT	BOTTOM	í e	STA. NAME/ID
DEG MIN		DEG	MIN	DAY	MO	YR H	HR MIN	(၃)	(°C)				. *		\vdash	
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>				
	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)	, (s)	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				 z	,														
	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 m															
	TIME (GMT)	HR MIN	0880		Tape/Diskette ID				1 5	JES	Ì		!											
ËG	 (GN	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			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	_ : -								[

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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			7Q	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 ~	₽ 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			I			 			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		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	- V/50		
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	50hC	7	
6															
10															
11															
12											_				

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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)	P	
0260	3 · 43 N	16619		3	S E P 9	9	9	0	₩.	10	7285	524	1		9)chd	01
SBE 9+ 09P89 1	660	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			TRAI	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	
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9														3413	7	
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			.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	CH 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	
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8	0													501,6	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	74	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.
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	STA. NAME/ID	13		00	*	valve	E 7 8		SAMPLE BOTTLE NUMBER	WHIT'S CHL NUTR.												
NATION 3 - I	ВОТТОМ	(E)	2	80 A 08	: : : :	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						•						
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	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{STE} & S	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.
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	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 •	الا الا	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												
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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			·		.	X	MOM C											-		
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	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	BOTTOM DEPTH		STA. NAME/ID
DEG	MIN	DEG	MIN	DAY		YR HR MIN	(C) NIN	(၃့)	, (dm)	(deg)		* 1.	(E)		
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	0 9	TIMES		JD/TIME				DATA LOCATION	ATION			REMARKS		15,2eA	<u> </u>
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.1.	00000	u	- GO	dW:	0.	SEC TEMP		SALINITY		SALI	SALINITY	SAL.	NUTR.	CHL.	WHIT'S NUTR.
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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.	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.						:						
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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

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VESSEL RV Miller Freeman				PROJE MF99-1	PROJECT & LEG MF99-11	g	OSDB I.D.	I.D.			STATIC	Shapesi	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	VEA TYPE	BOLLOM DEPTH	STA. NAME/ID	
DEG	MIN	DEG N	MIN	DAY MO	YR	HR MIN	(၃့)	(ఫి)	, (dm)	* (deg)	, (s/ш)	*	(m)		
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SBE 9+ 09P89	1660	TIMES	JD/TIME	ME			/O	DATA LOCATION	NOIL			REMARKS	KS	A .	
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PRI TEMP SN	884	START DOWN						1	,		—				A.A.
SEC TEMP SN	688	АТ ОЕРТН		:			ļ	[Clear	Cleaned air bleed valve	d valve	
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POS TRIP DEPTH	202		CTD CO	NVERTED	MONITOR VALUES	VALUES			<u></u>	SAMPLE BOTTLE DATA	OTTLE	SAM	SAMPLE BÖTTLE NUMBER	E NUMBER	~
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VESSEL RV Miller Freeman	Freeman			PROJEC MF99-11	PROJECT & LEG MF99-11	O	DSDB I.D.	o o		181	STATION DESIGNATION	Hand	
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CONSC	U 	C	HOLLFIGNO	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)	
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SBE 9+ 09P89	9P89 1 6 6 0	TIMES	JD/TIME	ME			DA	DATA LOCATION	NO		REMARKS		5 20R
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VESSEL RV Miller Freeman			PROJEC MF99-11	PROJECT & LEG MF99-11	g	OSDB 1.D.	l.D.			STATIC	ON DESI	STATION DESIGNATION		
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CONSC # F200	- ONO	HOLLE	DATE : ID=		TIME (GMT)	DRY BULB	WET	SES ST.	VISIBILI P VISIBILI	SPO CLOUD	WEATH TYPE HTABW	BOTTOM DEPTH	STA. NAME/ID	
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2 9 7	DATA ON			•	Tape/Diskette ID	tte ID	Ē	e Name	File Name/Header			w063	W	
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POS. TRIP DEPTH			VVERTED	MONITOR VALUES					SAMPLE BOTTLE DATA	OTTLE A	SAM	SAMPLE BOTTLE NUMBER	E NUMBES	or.
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VESSEL RV Miller Freeman	reeman				PROJE MF99-	PROJECT & LEG MF99-11		DSDB 1.D.	.D.	*	S	STATION DESIGNATION	SIGNAT	ion	
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CAST #		LATITUDE	LONG	LONGITUDE	DATE JD=	>	(GMT)	BULB		∀∃S *	DIRN. SI (deg) (m	4 TYF			NAMETD
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	9P89 1		TIMES					DA	DATA LOCATION	NO!		REM/	REMARKS	12 28	1
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PRI TEMP SN		884	START DOWN	NN NN					1		İ	ح [100 M	10	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
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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,)	(0,)		(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		- <u>-</u>							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	281	E	
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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				
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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

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VESSEL RV Miller Freeman	-			AR M	PROJECT & LEG MF99-11	က္ဆ	DSDB I.D.	.D.	¥	<u>n</u>	AIION D	STATION DESIGNATION	17 CM	
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TINDE	VESSEL RV Miller Freeman			<u>A</u> <u>N</u>	PROJECT & LEG MF99-11	s LEG	DSDB I.D.	.O.			STATIC	ON DES	STATION DESIGNATION		
MIN DEG MIN DAY MO YR HR MIN (°C) (°C) (mb) · (°C)	SC		GITUDE		=======================================	TIME (GMT)	DRY BULB		SEA STATE	WIND DIRN.	WIND SPD.	TYPE		A STA. NAME/ID	Á, E/ID
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SN 884 START DOWN SN 889 AT DEPTH SN 530 AT SURFACE CTD CONVERTED MONTOR VALUES SALINITY SAL	2 9 7	2				Tape/Disk	ette ID	File	Name/	Header				36	
Sign AT DEPTH Sign AT SURFACE Sign Chiam Sin Sample Bottle Data Data Sign S	 	Τ	NW							i		Ī	25	200	
AT SURFACE ALUOR S/N 1 5 3 Chiam S/N SAMPLE BOTILE	1	АТ DEРТН	_)	<u></u>	ned air bl	eed valve	
PRESSURE PRIVITEMP. SEC. TEMP SALINITY		AT SURFA	B									MAX. D	- 1	w/2	E
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1st Station. St. Paul Island (shallow ovel)

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VESSEL RV Miller Freeman			MF99-11)					54-1	10	27
CONSC			<u>(</u>	TIME	DRY Bill B	PRESSURE = T = T	EA STATE YTIJIBICIT	WIND (amt)	J4Y VEATHER	BOTTOM	STA. NAMEND
CAST # LATITUDE		LONGITUDE DAY	V MO YR	HR MIN	(,0,	+	Λ * S *		۸.	-	
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VESSEL RV Miller Freeman				PRC	PROJECT & LEG MF99-11	EG	DSDB I.D.	.D.		STAT	STATION DESIGNATION	GNATION	A9	
CONSC	LATITUDE	LONGITUDE		DATE JD=	<u>u</u> .	TIME (GMT)	DRY BULB		SEA STATE VISIBILITY		NHI AHIN	BOTTOM DEPTH	STA. NAME/ID	A. 5/10
DEG	MIN	DEG M	H	DAY	MO YR	HR ⊠		ш) (Э,)		(deg) (m/s)	. 7	(E)		
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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			Tape/Diskette ID	ette ID	File	File Name/Header	der	3	he on		į
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		ш	PRI TEMP	8	SEC	SEC. TEMP	SA	SALINITY	8	SALINITY	SAL.	NUTR.	CHL.	WHIT'S NUTR.
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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

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11	STA. NAME/ID						alve	E		SAMPLE BOTTLE NUMBER			_	_	_					igdash				-
Z		- -	8			7	Cleaned air bleed valve	9/7		TLE N		CHL												
STATION DESIGNATION	ВОТТОМ DEPTH	€	49		. [0	l air bl	上	N/S	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	2							
JOIL	CLOUD (amt)	*	/	REM			<u> </u>	¥	Ē	ls L		SAL.	y.											
STAT	SPOUD (amt)	(s/w)	3				1			TTLE														
	Wind DIRN.	(deg)	It ales		der				92	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	
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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	

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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 3 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

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	45	STA. NAME/ID		35				Ġ	٤		/BER	WHIT'S NUTR.										Œ		
9F 	z	 =	,	7			3	Cleaned air bleed valve	53	_	SAMPLE BOTTLE NUMBER	CHL.	7	7	7	7	/			,				
ရှိ 	STATION DESIGNATION	BOTTOM	(m)	<u> </u>	S			ed air bl	PTH =	TRANS. S/N	LE BOT	NUTR.	2-805		FOSE	2803	2000	180 Ol		÷				
<u>. </u>	SN DESI	CLOUD (amt) TYPE WEATHER	*	ネ フ フ	REMARKS			Clean	MAX. DEPTH =	TRAN	SAMP	SAL.	151				,		,	,				
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		WIND DIRN.	(deg)	6060		leader					SAMPLE BOTTLE DATA	SALINITY												
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		WET BULB	(°C)	P 00 P	DATA LOCATION	Eile File				ChIAM S/N		<u> </u>		- ,				٠		242				
	DSDB I.D.		(,	40	DATA							SALINITY		,								٠		.
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	(1)	TIME (GMT)	HR MIN	0633		Tape/Diskette ID	,	,		1 5	ALUES	MP								- 5		\$	8	
3	PROJECT & LEG MF99-11		YR F	6 6		<u> </u>				FLUOR S/N	CTD CONVERTED MONITOR VALUES	SEC. TEMP		4		•	0					T.	5.0	
6.93	PROJECT MF99-11	-dr	MO	SEP							ED MOR													
		DATE	DAY	6 0 ∧	JD/TIME					2	ONVERT	EMP.		,						,		٠		
		JOE	MIN	(So	, O					4,24	CTD O	PRI. TEMP												
		LONGITUDE		12007.83W09		NO	START DOWN	PTH	AT SURFACE	PAR S/N			_		-									
			DEG		TIMES	DATA ON	STAR	АТ ОЕРТН	AT SU	PA]	PRESSURE									٠.			
		, , JDE		25 N	0 9	7 7 2		v			4	PRES		-										
	man	LATITUDE	NIM	5730	- 6	2 9 7	884	N 889	1 530	N 303										-	- 1			
	VESSEL RV Miller Freeman	# C	DEG	355	SBE 9+ 09P89	S SN	PRI TEMP SN	SEC TEMP SN	PRI COND SN	SEC COND SN	TRIP DEPTH		50	0'h	30	8	0	0	,			-	•	
	VESSEL RV Mille	CONSC CAST#		2	SBE 8	PRESS SN	PRIT	SECT	PRIC	SEC (POS.		-	2	က	4	2	9	7	∞	6	10	=	15.

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					,		chin	~ 50								
VESSEL RV Miller	VESSEL RV Miller Freeman		,		PRO	PROJECT & LEG	EG	DSDB	DSDB 1,0. (6.3	:5	5	STATION DESIGNATION	SESIGNA.	NOIL	1241	
				ı						3.		()tur	1			
CONSC		23					T T	\ <u>a</u>		TATS. TATS.	ON!/V	s) av	1∃ЙТ/	MOTTO	ć L	
CAST #		LATITUDE	LONG	LONGITUDE	DATE JD=	11	(GMT)	BULB		SEA	DIRN.	SPD CLO	/3M	DEPTH	NAME/ID	. 🕘
ĺ	DEG	MIN	DEG	MIN	DAY MO	O YR	HR	(၁.)	(C,)	*	(deb)	*		(m)		
36	365723	39		17005.95W09	တ	E P 9 9	0703	6	30	F 8 + 8	090	u V	V	09	60	00
SBE 9+ 09P89	09P89 1	0 9 9	TIMES	JD/TIME	IME			DA	DATA LOCATION	NO		REM	REMARKS			. '
PRESS SN	SN 2	9772	DATA ON		,	1	Tape/Diskette ID	tte ID	File	File Name/Header	eader		4			
PRI TEMP SN	AP SN	884	START DOWN	¥						^		[3	0	2	
SEC TEMP SN	MP SN	889	АТ ОЕРТН										Cleaned air bleed valve	r bieed	valve	
PRI COND SN	ND SN	530	AT SURFACE	Ä		,			, ,			WAX	MAX. DEPTH =	= 53	_ E	٤
SEC COND SN	ND SN	303	PAR S/N	4242	٠	FLUOR S/N	S/N 1 5	8	CHIAM S/N	S/N			TRANS. S/N			
POS.	TRIP			CTD CO	CTD CONVERTED MONITOR VALUES	MONITOR	VALUES			SAN	SAMPLE BOTTLE		SAMPLE BOTTLE NUMBER	OTTLE	NUMBE	22
	UEP I				÷		•	-	:		DATA					
		PRESSURE	SURE	PRI. TEMP.	MP.	SEC. TEMP	TEMP	SAI	SALINITY	٠	SALINITY	SAL.	L. NUTR.	R. CH.		WHIT'S NUTR.
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2	04	·					•						١	,		
က	30												2800	K	,	
4	20												5086	7	,	
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12	,							^						_,		

3'8 06'5

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

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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 +		\bot	
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	, ·	
7	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		,		UAIA					
	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		,			-					8221	^	
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	
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		K N S S S S S S S S S S S S S S S S S S	эчү Язнтаз	BOTTOM		۲ م
DEG		DEG	MIN	DAY MO	YR HR N	z	٦	* Cdeg)	or∪ (m/s) *	∗ اــ	E (E)	ZAZ 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												/	
4 30											H261		
5 20					147	-					1923	1	
9			7		•		39				226		
0 2		,									1261	\	
. &	-												
6													
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11													
12		,											

VESSEL RV Miller Freeman	reeman			P.F	PROJECT & LEG MF99-11	EG	DSDB 1.D.		*	STAT	ION DES	STATION DESIGNATION	73-1	
								BAUS			(amt) D			
CONSC CAST #	LATITUDE	LONGITUDE	TUDE	DATE J	-QC	TIME (GMT)	DRY	WET 9	VISIBI DIRN DIRN	D WIND I. SPD.	CLOU TYPE TABW	BOTTOM DEPTH	I STA. NAME/ID	A. E/ID
ָ ר	DEG MIN	DEG	MIN	DAY	MO YR	HR MIN	(°C)	۳	*		*	(m)		
418	5734.76N	17004	7 1 m6 H.	128	S E P 9 9	1121	6 6	06.0	7	780	731	0.9.0		1:4
SBE 9+ 09P89	P89 1 6 6 0	TIMES	JD/TIME	ME			DAT,	DATA LOCATION			REMARKS	KS		
PRESS SN	1 29772	DATA ON		-		Tape/Diskette ID	itte ID	File No	File Name/Header					<u> </u>
PRI TEMP SN	SN 884	START DOWN	z			,								
SEC TEMP SN	889 NS c	АТ ОЕРТН			- 						Clear	Cleaned air bleed valve	ed valve	
PRI COND SN	SN 530	AT SURFACE	nı			·					MAX. DEPTH =	EPTH =	55	
SEC COND SN		PAR S/N	4242		FLUOR S/N	S/N_1 5	3	ChIAM S/N			TRAN	TRANS. S/N		
POS.	TRIP DEPTH		CTD CONVERTED	vver <i>t</i> el	D MONITOR VALUES	NALUES			SAMPLE BOTTLE DATA	SOTTLE A	SAMI	SAMPLE BOTTLE NUMBER	LE NUME	3ER
	PRESSURE	SURE	PRI. TEMP.	MP.	SEC.	SEC. TEMP	SALINITY	 	SALINITY	È	SAL.	NUTR.	CHL.	WHIT'S NUTR.
1 PH	by Hom SS										90	1933		
2	20											7261	<i></i>	
. 3	40											1861	<i>/</i>	
4	32									-		1930	>	
2	23			-										
9	92											1929	<u></u>	
2 .	2									,			/	-
8	10											826	<i></i>	
6			,					,						
10	0											427		
11			ı		-	·	-							
12	,											4		

Jell 12 190m?

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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 **STATS A38** (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

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STATION DESIGNATION 82	WIND WIND OD BETTOM STA. DIRN. SPD. CL TY WIND OF THE BOTTOM STA.	(m/s) * * (m)	27511781111	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 14SEP99 73	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

VESSEL RV Miller	VESSEL RV Miller Freeman	۰				PROJECT & LEG MF99-11	, LEG	DSDB I.D.	.O.			STAT	STATION DESIGNATION	SIGNATIC	N.	5.5
CONSC CAST#	-	LATITUDE	FONG	LONGITUDE	DATE	=Qr	TIME (GMT)	DRY BULB	WET	PRESSURE STATE	YTIJIBISIV O N N N N N N N N N N N N	1	CLOUD (amt) TYPE ABATHER	ВОТТОМ		STA.
1	DEG	MIN	DEG	MIN	DAY	MO YR	R HR MIN	(၁့)		\Box	*	(m/s)	*		-	
7	445644.35	14.35 N	703	•	7 I MOS	S E P 9	1 00 1 6	O _O	4.0	142	4	2 1 1	781	0 }	6	44
SBE	SBE 9+ 09P89 1	0 9 9	TIMES	JOC	JD/TIME			Ó	DATA LOCATION	NOIL			REMARKS	KS		
PRE	PRESS SN 2	9772	DATA ON				Tape/Diskette ID	cette ID	Ē	e Name	File Name/Header			98	38 W/0	
PRIT	PRI TEMP SN	884	START DOWN	NA	,				-					and the same and t	-	4
SEC	SEC TEMP SN	889	АТ ОЕРТН				. 4		<u> </u>			l	Clea	Cleaned air bleed valve	leed val	φ >
PRIC	PRI COND SN	530	AT SURFACE	兴					! !			1	MAX. DEPTH =	EPTH =	56	E
SEC	SEC COND SN	303	PAR S/N	4 2 4	2	FLUO	FLUOR S/N 1 5	5 3	ChIAM S/N	A S/N			TRA	TRANS. S/N	,	
POS.					CTD CONVERTED	ED MONIT(D MONITOR VALUES			S	SAMPLE BOTTLE	STTLE	SAM	SAMPLE BOTTLE NUMBER	TLE NU	MBER
	DEPTH		*	*		53			*		DATA	4	,			
· .		PRESSURE	iure	PRI. TEMP.	MP.	SE(SEC. TEMP	SA	SALINITY	-	SALINITY	<u></u>	SAL.	NUTR.	GHL	WHIT's NUTR.
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VESSEL RV Miller Freeman	٠ ,			PR(MF§	PROJECT & LEG MF99-11	EG	DSDB I.D.	. O.	-		STATI	ON DES	STATION DESIGNATION	<u>_</u>	87
CONSC CAST# LA	LATITUDE	TONG	LONGITUDE	DATE JD=	1	TIME (GMT)	DRY	WET	PRESSURE SEA STATE	VISIBILITY D WIND DIRN.	S WIND CLOUD (amt)	TYPE ABLA SAMI	BOTTOM DEPTH		STA. NAME/ID
)EG	MIN	DEG	MIN	DAY MO	IO YR	HR MIN	(0,)	(0,)	_	(gab) *	(m/s)	. *	(m)		
45 5647	7 .3 7 N	1703	. 43 w	14s E	E P 9 9	1843	00	*	641	11-	60	1. 1.20	2	7	45
SBE 9+ 09P89 1	0 9 9	TIMES	JD/TIME	IME			Δ	DATA LOCATION	NOI			REMARKS	KS		
PRESS SN 2	9772	DATA ON			-	Tape/Diskette ID	ette ID	File	Name	File Name/Header		93	3 6	0	-
PRI TEMP SN	884	START DOWN	Ş												
SEC TEMP SN	889	АТ ОЕРТН									<u></u>	Clear	Cleaned air bleed valve	eed valv	.
PRI COND SN	530	AT SURFACE	E .	-	,		4					MAX. DEPTH =	EPTH =	9	E
SEC COND SN	303	PAR S/N	4242		FLUOR S/N	S/N _ 1 5	က	CHIAM S/N	N/S			TRA	TRANS. S/N		
POS. TRIP				CTD CONVERTED	-	NONITOR VALUES			8	SAMPLE BOTTLE	TTLE	SAMI	SAMPLE BOTTLE NUMBER	ILE NUI	MBER
DEPTH			,		.00	. :				DATA					
	PRESSURE	SURE	PRI, TEMP	MP.	SEC.	SEC. TEMP	SA	SALINITY		SALINITY	>	SAL.	NUTR.	CHL.	WHIT'S NUTR.
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VESSEL RV Miller	VESSEL RV Miller Freeman				α. ≥	PROJECT & LEG MF99-11	& LEG		DSDB I.D.			ST/	STATION DESIGNATION 82	ESIGNA	ATION 13.2	ŕ	
CONSC CAST #		LATITUDE	LONG	LONGITUDE	DATE	=Qr	TIME (GMT)	DRY BULB	WET WET	PRESSURE	SEA STATE YTIJIBICIV P O	WIND WIN	S S S S S S S S S S S S S S S S S S S	меатнея В В	ВОТТОМ	STA. NAME/ID	A. E/ID
	DEG	MIN	DEG	MIN	DAY	MO Y	YR HR MIN	(°C)	(၃)	(qm)	*	(s/ш) (бөр)	*		(E)		-
J	466650	39 N	170	2814 W 14 S	S 1 1 /	E P 9	6	(%)	0 7	1 1 4	14 14	36006	12 m		02		7
SBE 8	SBE 9+ 09P89 1	0 9 9	TIMES	Nav	JD/TIME	4			DATA LOCATION	ATION			REMARKS	ARKS			
PRES	PRESS SN 2	97-72	DATA ON	.	. *	l	Tape/D	Tape/Diskette 1D	•	File Name/Header	ne/Head	Je:		80	0/0	:	
PR!	PRI TEMP SN	884	START DOWN	WN									[7		
SEC	SEC TEMP SN	889	АТ ОЕРТН	J			,				4	`	<u> </u>	Cleaned air bleed valve	iir blee	dvalve	
PRIC	PRI COND SN	530	AT SURFACE) SE									₩ ¥ ¥	MAX. DEPTH =	#		E
SEC (SEC COND SN	303	RAR S/N	4 2 4	8	FLUC	FLUOR S/N 1 5	5 3	<u>₹</u>	CHIAM S/N				TRANS. S/N	Į.		
POS.	L			1	CTD CONVERTED	D MONIT	OR VALUE	(0			SAMPL	SAMPLE BOTTLE	<u>ļ</u>	SAMPLE BOTTLE NUMBER	SOTTLE	E NUMB	ÄER
	DEPTH				,							DATA				,	
		PRESSURE	URE	PRI. TEMP.	MP.	SE	SEC. TEMP		SALINITY	,	SA	SALINITY	SAL.	NUTR.		CHL. N	WHIT'S NUTR.
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PG 47 OF

zM	M STA.		86			00 80	Cleaned air bleed valve	P0		SAMPLE BOTTLE NUMBER		WHIT'S CHL. NUTR.	**										-	
SIGNATIC B	BOTTOM DEPTH	(m)	6	KS		\mathcal{G}	ned air b	EPTH =	TRANS. S/N	PLE BOT	!	NUTR.			-									
STATION DESIGNATION 83	CLOUD (amt) TYPE WEATHER		75	REMARKS			Clea	MAX. DEPTH =	TRAI	SAM		SAL.	7									,		
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DSDB I.D.	DRY BULB	(0,)	9	/Q /	itte ID		,	*	e e			SA												
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PROJECT & LEG MF99-11	Ξ(MO YR	Б В 9						FLUORS	CTD CONVERTED MONITOR VALUES	22	SEC. TEMP			•	٠		•			,			
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VESSEL RV Miller Freeman	CONSC CAST#		4	SBE 9+ 09P89	PRESS SN	PRI TEMP SN	SEC TEMP SN	PRI COND SN	SEC COND SN	Pos.	<u></u>		- 00	2	3	4	2	9	2	8	6	10	11.	12

VESSEL RV Miller Freeman					PROJECT & LEG MF99-11	& LEG	C.1 8080	.D.			STATION -7-	ON DES	STATION DESIGNATION	Z 7	
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VESSEL RV Miller Freeman				<u>A</u>	PROJECT & LEG MF99-11	FG	DSDB 1.D.	j G	**	S	STATION DESIGNATION	SIGNAT	∑,0	
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SBE 9+ 09P89 1 6 6 0		TIMES	JD/TIME	IME			۵	DATA LOCATION	N		REMARKS	RKS		•
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SEC COND SN	303	PAR S/N	N_4242		FLUOR S/N	S/N_1 5	3	CHIAM S/N	N/S		TR/	TRANS. S/N		
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	PRESSURE	URE	PRI. TEMP.	MP.	SEC.	SEC. TEMP	SA	SALINITY		SALINITY	SAL.	NUTR.	CHL.	WHIT'S NUTR.
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VESSEL RV Miller Freeman	۰			PROJECT MF99-11	PROJECT & LEG MF99-11	9	DSDB I.D.). 	-)0	STA	STATION DESIGNATI	SIGNATIO	74.	
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	LATITUDE	LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB	WET 6	8 438	WIND WIN	CLOUI CLOUI	BOTTOM DEPTH	-	STA. NAME/ID
DEG	MIN	DEG	MIN	DAY MO	YR	HR MIN	(၁့)	(°C)	* ((deg) (m/s)	*	(m)		
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SBE 9+ 09P89 1	660	TIMES	JD/TIME	ΛĒ			DAT	DATA LOCATION	Z		REMARKS	KS		
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SEC COND SN	303	PAR S/N	4242		FLUOR S/N	/N 1 5	ر س	ChlAM S/N	N/S		TRA	TRANS. S/N		
POS. TRIP			CTD CONVERTED		MONITOR VALUES	VALUES			SAMP	SAMPLE BOTTLE	<u> </u>	SAMPLE BOTTLE NUMBER	TLE NUN	BER
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	PRESSURE	URE	PRI. TEMP.	Т Р.	SEC. TEMP	EMP	SALI	SALINITY	S,	SALINITY	SAL.	NUTR.	CHL.	WHIT'S NUTR.
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WHIT'S NUTR. NAME/ID SAMPLE BOTTLE NUMBER Ε Cleaned air bleed valve CH. MAX. DEPTH = 4/6 8.01.00 x 210 05 872 BOTTOM STATION DESIGNATION 3 - 1DEPTH NUTR. TRANS. S/N REMARKS 7 SAL. (ged) (m/s) SAMPLE BOTTLE SALINITY MIND DIRN. File Name/Header YTIJIBISIV (mp ChIAM S/N DATA LOCATION BULB ပ္ပ SALINITY DSDB I.D. DRY BULB Tape/Diskette ID 5 0 4 40 6 6 YR HR MIN TIME (GMT) CTD CONVERTED MONITOR VALUES FLUOR S/N SEC. TEMP PROJECT & LEG MF99-11 535637.07N16934. POWISSEP õ DATE JD= DAY JD/TIME PRI. TEMP. PAR S/N _ 4 2 4 2 LONGITUDE START DOWN AT SURFACE AT DEPTH DATA ON PRESSURE LATITUDE 6 7 SBE 9+ 09P89 1 6 6 MIN 889 884 RV Miller Freeman TRIP DEPTH SEC COND SN DEG SEC TEMP SN PRI COND SN PRI TEMP SN PRESS SN CONSC CAST # 9 7 12 6 S 9 ω

VESSEL RV Miller Freeman				PROJEC MF99-11	PROJECT & LEG MF99-11	9	DSDB I.D.	D	i ja	STA	STATION DESIGNATION	SIGNATIO #95	ZI	
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	LATITUDE	LONG	LONGITUDE	DATE JD=		TIME (GMT)	DRY BULB	WET WE BULB	āं ≷ ∧ISIBII SE∀ ट	WIND WINI	SLOUC TYPE ITABW	BOTTOM DEPTH		STA. NAME/ID
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PRI COND SN	530	AT SURFACE	JE,								MAX. DEPTH =	Ť	33	: . E
SEC COND SN	303	PAR S/N	4		FLUOR S/N	/N 1 5	3	CHIAM S/N			TRAN	TRANS. S/N		
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WHIT's NUTR. STA. NAME/ID SAMPLE BOTTLE NUMBER Ε Cleaned air bleed valve 1-501 10 hour gay hear Cle to or 끉 BOTTOM DEPTH STATION-DESIGNATION CS+ NUTR. MAX. DEPTH = TRANS. S/N REMARKS ЯЭНТАЭМ 714080812 SAL. (s/w) SAMPLE BOTTLE WIND DIRN SALINITY File Name/Header VISIBILITY **3TATS A3**2 DATA LOCATION ChIAM S/N WET BULB ပ္ပ SALINITY DRY BULB Tape/Diskette ID ഗ HR MIN TIME (GMT) CTD CONVERTED MONITOR VALUES SEC. TEMP PROJECT & LEG MF99-11 FLUOR S/N Ϋ́R တ οŽ DATE JD= DAY MO 29 W 1 5 S E JD/TIME PRI. TEMP. LONGITUDE Z START DOWN 04 40 AT SURFACE PAR S/N AT DEPTH DATA ON DEG TIMES **PRESSURE** 7 ATITADE SBE 9+ 09R89 1 6 6 182 884 SEC TEMP SN 889 530 RV Miller Freeman DEPTH SEC COND SN DEG TRIP PRI COND SN PRI TEMP SN PRESS SN CONSC CAST# VESSEL POS. 12 9 ; \sim ŝ ന 4 ဖ ∞

VESSEL RV Miller Freeman	u V		7/0	PR	PROJECT & LEG MF99-11	စ္ပ	DSDB I.D.	.O.	19		STATION DESIGNATION	DESIGN 104	ATION -1 /C4		
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PRESS SN	29772	DATA ON				Tape/Diskette ID	te ID	File	File Name/Header	eader					
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PRI COND SN	530	AT SURFACE	Щ					 • [MAX.	MAX. DEPTH =			E
SEC COND SN	303	PAR S/N	4	~:	FLUOR S/N	ιO	3	CHIAM S/N	N/S			TRANS. S/N	N N N) —:
POS. TRIP DEPTH			CTD CC	NVERTED	CTD CONVERTED MONITOR VALUES	VALUES			SAN	SAMPLE BOTTLE	<u> </u>	AMPLE	SAMPLE BOTTLE NUMBER	NUMB	Ä E R
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,	LATITUDE	PONG	LONGITUDE	DATE JD=		TIME (GMT)	DRY BULB	WET WET BULB	SEA STATE VISIBILITY	WIND WII	S V NEVE WEATHER			STA.
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CONSC CAST # CONSC CON	VESSEL RV Miller Freeman		,		_ ∑	PROJECT & LEG MF99-11	EG	DSDB I.D.	I.D.	10	S	STATION DESIGNATION	SESIGNA (07-	ZION C		
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TapelDiskette ID File Name/Header		9 9	TIMES	JD/T	JME			DA	TA LOCATIK	NO		REM	RKS		1	
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PAR SN	SEC TEMP SN	889	АТ ОЕРТН									<u></u>	eaned a	ir bleed	valve	
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WHIT's NUTR. STA. NAME/ID SAMPLE BOTTLE NUMBER Ε 80 B Cleaned air bleed valve SH. BOTTOM DEPTH STATION DESIGNATION NUTR. 1936 1934 MAX. DEPTH = TRANS. S/N 935 REMARKS **ABHTABW** 32 SAL. S WIND (smt) 470651385 (s/ш) SAMPLE BOTTLE WIND DIRN. SALINITY DATA File Name/Header SEA STATE VISIBILITY (qm) 7 304 DATA LOCATION ChIAM S/N PRESSURE WET BULB (°C) SALINITY DSDB I.D. 70 DRY BULB ် Tape/Diskette ID വ HR P 9 9 0 0 0 0 TIME (GMT) CTD CONVERTED MONITOR VALUES SEC. TEMP PROJECT & LEG FLUOR S/N YR õ N1 7012.76W/78E DATE JD= PA JD/TIME PRI. TEMP. LONGITUDE PAR S/N _ 4 START DOWN AT SURFACE AT DEPTH DATA ON DEG TIMES PRESSURE Q. ~ ~ LATITUDE 2 9 7 SBE 9+ 09P89 1 6 6 DEG MIN 889 303 884 530 414509 RV Miller Freeman PRI COND SN DEPTH SEC TEMP SN SEC COND SN 2 TRP 0 PRI TEMP SN PRESS SN CAST # CONSC Pos. 10 Ξ 7 0 Ω ტ ന 9 ø

OF OF	1 (H	WIND WINDOUT STA. DIRN SPD C PTH STA.	(m) * * (s/m)	06015855 30 63	REMARKS	Jen	SC 00	Cleaned air bleed valve	MAX. DEPTH = 25 m	TRANS. S/N	SAMPLE BOTTLE SAMPLE BOTTLE NUMBER DATA	SAL. NUTR. CHL. NUTR.	40 1939 /	1933	1937								
.D.		Y E E S E E E E E E E E E E E E E E E E	(mb) *	7.584470	DATA LOCATION	File Name/Header				ChlAM S/N	SAMPL	SALINITY								٠			:
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VESSEL		CONSC CAST # LATITUDE	DEG MIN	635716.13NJ401	SBE 9+ 09P89 1 6 6 0	PRESS SN 2 9 7 7 2	PRI TEMP SN 884	SEC TEMP SN 889	PRI COND SN 530	SOND SN 303		PRESSURE	ر م	2 10	3	4	5	9	7	8	о	10	12

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	į.					TIME	DRY	WET	SS3: TS A IJIBIEI	WIND	ьЕ	HTA:		STA.
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SBE 9+ 09P89 1	0 9 9 1	TIMES	JD/TIME	/E			DA	DATA LOCATION	NO		REM/	REMARKS		
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PRI TEMP SN	884	START DOWN			l	v								· · · · · · · · · · · · · · · · · · ·
SEC TEMP SN	889	АТ ОЕРТН			ł						ŏ	Cleaned air bleed valve	bleed val	e
PRI COND SN	530	AT SURFACE		7	ı			1] ¥ ¥	MAX. DEPTH =	44	٤
SEC COND SN	303	MPAR S/N	4 2 4 2		FLUOR S/N	S/N_1 5	3	ChIAM S/N	N/S		 	TRANS. S/N		
POS. TRIP			CTD CONVERTED MONITOR VALUES	VERTED	MONITOR	VALUES			SAN	SAMPLE BOTTLE	<u> </u>	SAMPLE BOTTLE NUMBER	TTLE NUI	MBER
<u></u>										DAIA				
-	PRESSURE	URE	PRI. TEMP.	۵	SEC.	SEC. TEMP	SAI	SALINITY		SALINITY	SAL	NUTR.	S.	WHIT's NUTR.
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CONSC CAST#	LATITUDE	JOE	Plong	LONGITUDE	DATE JD=	11	TIME (GMT)	DRY BULB	WET	BAUSSBAG BTATS ABS VILIBIEN	NISIBILITY	S S S S S S S S S S S S S S S S S S S	BOTTOM PER PER PER PER PER PER PER PER PER PER		STA.
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SBE 9+ 09P89	1 6	0 9	TIMES	JD/TIME	IME			DA	DATA LOCATION	NOI		REM.	REMARKS		
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PRI TEMP SN	AP SN 884	34	START DOWN	NA NA]	,			;		<u> </u>	3	44 OW	
SEC TEMP SN	MP SN 889		АТ ОЕРТН									<u> </u>	Cleaned air bleed valve	bleed val	ve
PRI COND SN	ND SN 530	,	AT SURFACE	<u>Щ</u>		,]			MAX	MAX. DEPTH =	45	٤
SEC COND SN	ND SN 303		K PAR S/N	4242		WFLUOR S/N	1 5	3	ChIAM S/N	1 S/N			TRANS. S/N		
POS.	TRIP			стр со	CTD CONVERTED MONITOR VALUES	MONITOR	VALUES			SA	SAMPLE BOTTLE	1	SAMPLE BOTTLE NUMBER	TTLE NU	MBER
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RV Miller Freeman	٠			SINI IMLS	-		+	-	-		*			
	e'n		· · · · · · · · · · · · · · · · · · ·					,	BAUS BTATE YTIJ	(tms) Q	ЯЭН	7		
CONSC CAST # LA	LATITUDE	FONG	LONGITUDE	DATE JD=		TIME (GMT)	DRY BULB	WET	SEA S	WIND WIND DIRN, SPD.	∃9YT ГA∃W	ВОТТОМ DEPTH	STA. NAME/ID	A. E/ID
DEG	MIN	DEG	MIN	DAY MO	ΥR	HR MIN	(0,)	(0,0)	*	(deg) (m/s)	*	(E)		
675720	0 . 8 5 N 1	1 7008		. 04W17SE	Р 9 9	0403	7.5	\$. 9	84470	07522	30	57	4	67
SBE 9+ 09P89 1	0 9 9	TIMES	L/Qf	JD/TIME			DA	DATA LOCATION	NO	- •	REMARKS	S		,
PRESS SN 2	9772	DATA ON			<u> </u>	Tape/Diskette ID	tte ID	File	File Name/Header	ler			7. 2.5 5.0	
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-	000			,	N/S AOI I ISIN	1 N/N	, cr	CHIAM S/N	N/S		TRAN	TRANS. S/N		ı
SEC COND SN	303	XAR SIN	1	VERTED	MONITOR				'	SAMPLE BOTTLE	SAMP	SAMPLE BOTTLE NUMBER	LE NUME	BER
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PROJECT & LEG DSDB I.D. STATION DESIGNATION MF99-11	DATE JD= (GMT) BULB BULB © SIRN. SPD.	DAY MO YR HR MIN (°C) (°C) (mb) * * (deg) (m/s) * *	. 25 W 17 SEP 9 90 439 7.6 7.0844706518855 60 68	JD/TIME DATA LOCATION REMARKS	Tape/Diskette ID File Name/Header	400 54	Cleaned air bleed valve	MAX. DEPTH = 55 m	4 2 4 2 TRANS. S/N 1 5 3 ChIAM S/N TRANS. S/N	CTD CONVERTED MÖNITOR VALUES DATA DATA DATA	PRI. TEMP. SEC. TEMP SALINITY SAL. NUTR. CHL. NUTR.	7 1961 /	3	1 2961	7 6561	7 8261	148× 1					
PROJE MF99-1	ONGITUDE			TIMES JD/TIME	DATA ON	START DOWN	АТ DEPTH	AT SURFACE	2 4 2	CTD CONVERTED							*					
VESSEL RV Miller Freeman	CONSC CAST # LATITUDE	DEG MIN C	685723.55NI	SBE 9+ 09P89 1 6 6 0 TII	PRESS SN 2 9 7 7 2 DA	PRI TEMP SN 884 SI	SEC TEMP SN 889 A1	PRI COND SN 530 AT			PRESSURE	1 50	2 40	3	2	6 10	<i>Q</i> 9	4	8	6	70	0.1

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VESSEL RV Miller	VESSEL RV Miller Freeman	an			PR MF	PROJECT & LEG MF99-11	, LEG	DSDB I.D.	3 I.D.			STATION	N DESIG	STATION DESIGNATION	3.5	
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O S	CONSC CAST #	LATITUDE	LONG	LONGITUDE	DATE JE	=Qr	TIME (GMT)	DRY BULB	WET	2EV 2. 6EP	VISIBII O'RN O'RN.	SPD. SPD. SPD.	39YT ITA3W	BOTTOM DEPTH		STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO YR	HR MIN	(၁)	(၁့)	* (dm)	(deg) .	(s/ш)	*	(E)		
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SBE	SBE 9+ 09P89	1660	TIMES	T/QL	JD/TIME			Ö	DATA LOCATION	NOIT		<u>~</u>	REMARKS	S		·
PRE	PRESS SN	29772	DATA ON			1	Tape/Diskette ID	cette ID	臣	e Name	File Name/Header					
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SEC	SEC TEMP SN	889	АТ DEРТН	30		1	j		į				Clean	Cleaned air bleed valve	ed valv	a)
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SEC	SEC COND SN	303	MPAR S/N	4 2 4 2		N FLUOR S/N	R S/N 1 5	8 3	ChiA	ChiAM S/N			TRANS. S/N	S. S/N		,
POS.	S. TRIP			ıl	NVERTE	MONITC	CTD CONVERTED MONITOR VALUES			S	SAMPLE BOTTLE	TLE	SAMP	SAMPLE BOTTLE NUMBER	LE NUN	BER
	DEPTH									·	DATA	<u></u>				
· -		PRESSURE	SURE	PRI. TEMP	MP.	SEC	SEC. TEMP	75	SALINITY		SALINITY		SAL.	NUTR.	CHL.	WHIT'S NUTR.
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VESSEL RV Mille	VESSEL RV Miller Freeman			PRO MF9	PROJECT & LEG MF99-11	EG	DSDB I.D.	.D.	æ	S	TATION	STATION DESIGNATION	343	
CONSC CAST #		LATITUDE	LONGITUDE	DATE JD		TIME (GMT)	DRY	WET	PRESSURE SEA STATE YTIJIBIEIV	WIND DIRN.	S WIND (amt)	BOTTOM DEPTH	9	STA. NAME/ID
	DEG		DEG MIN	DAY	MO YR	HR MIN	(၃)	(C.)	*	(deg)				
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SBE	SBE 9+ 09P89 1	660	TIMES	JD/TIME			DAI	DATA LOCATION	NOI		REN	REMARKS		_
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SEC	SEC TEMP SN	889 AT	AT DEPTH									Cleaned air bleed valve	leed valve	4
PRI	PRI COND SN	Ē,	AT SURFACE								MA	MAX. DEPTH =	57	ε
SEC	SEC COND SN		N PAR S/N 4 2 4	2	MELUOR:	S/N 15	8	CHIAM S/N	N/S			TRANS. S/N		
POS.	TRIP		ıl	CTD CONVERTED	MONITOR VALUES	VALUES			SAM	SAMPLE BOTTLE DATA	<u> </u>	SAMPLE BOTTLE NUMBER	ITLE NUM	BER
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		PRESSURE		PRI. TEMP.	SEC.	TEMP	SAL	SALINITY		SALINITY	/S	SAL. NUTR.	CHL.	WHIT'S NUTR.
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RV Miller Freeman			MF99-1	PROJECT & LEG MF99-11		DSDB I.D.	Ö.	44		STATION DESIGNATION	NON DESIGNATION DE	NATION	N N	1
LATITUDE	TONG		DATE JD=		TIME (GMT)	DRY BULB	WET BULB		WIND DIRN.	SPD (amt)	ABHTABW	BOTTON DEPTH		STA. NAME/ID
MIN	DEG	MIN	DAY MO	YR H	R MIN	(°C)	(၁.)		(gəb)	* (s/m)	*	(m)		
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530	AT SURFAC	Ü								Σ	AX. DEF		3	Ε
303	WEAR S/N	4 2 4 2	Z	LUOR S/N	1 5	3	ChiA	N/S W			TRANS	S. S/N		
TRIP DEPTH			VERTED MO	NITOR V	ALUES]	3	AMPLE BO DATA		SAMPL	LE BOTT	LE NUM	BER
PRESS	URE	PRI. TEA	J. J.	SEC. TE	MΡ		YLINITY	-	SALINIT			NUTR.	H	WHIT'S NUTR.
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CONSC CAST # L/	LATITUDE	ONG	TUDE		1	(GMT)	BULB		∀∃S	WIND DÍRN.	CLOU	VEA	DEPTH	NAN S	STA. NAME/ID
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VESSEL RV Mille	VESSEL RV Miller Freeman	· ·			<u>E</u>	PROJECT & LEG MF99-11	EG	DSDB I.D.	.E.D.	**		STATION DESIGNATION	DESIGN CANA	NOLA-		
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CONSC CAST #	,	LATITUDE	FONG	LONGITUDE	DATE J	≃00	TIME (GMT)	DRY BULB	WET BULB	SEA S	VIND VIRN.	SPD. CLOU		ВОТТОМ DEPTH	STA. NAME/I	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO YR	HR MIN	(၁့)	(၃)	* * (dm)	(geb)	(m/s) *	*	(m)		
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a Jud 4 NAME/ID SAMPLE BOTTLE NUMBER Ε Cleaned air bleed valve CHL 4 STATION DESIGNATION (32. BOTTOM DEPTH 12.36 NUTR. 38 21 12 37 233 MAX. DEPTH = 12.34 233 1232 Ξ TRANS. S/N REMARKS 40 CH 8 142 ЯЭНТАЭМ SAL. YPE 7 S King (smt) (s/ш) (бер) SAMPLE BOTTLE WIND DIRN. SALINITY DATA File Name/Header VISIBILITY **STATS ASS** ₽ 0 0 0 (gm) ChIAM S/N DATA LOCATION WET BULB ပ္ပ SALINITY DSDB I.D. 0 DRY BULB ပ် Tape/Diskette ID 1 775751.16N16852.46W178EP991824 HR MIN CTD CONVERTED MONITOR VALUES TIME (GMT) SEC. TEMP FLUOR S/N PROJECT & LEG Ϋ́R MF99-11 Q DATE JD= DAY JD/TIME PRI. TEMP. LONGITUDE Z START DOWN AT SURFACE PAR S/N AT DEPTH DATA ON DEG TIMES PRESSURE 20 00 10 B 0 4 $^{\circ}$ ~ LATITUDE 0 297 **9** 9 Z 530 303 884 889 RV Miller Freeman TRIP DEPTH DEG SEC COND SN SBE 9+ 09P89 SEC TEMP SN PRI COND SN PRI TEMP SN 3 9 20 8 PRESS SN CAST.# CONSC VESSEL POS. Ξ 12 10 N က 4 S 9 ω 6

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17 WHIT's NUTR. STA. NAME/ID TRANS. S/N SAMPLE BOTTLE NUMBER Ε 22 Cleaned air bleed valve STATION DESIGNATION CH. 77 BOTTOM DEPTH $\widehat{\mathbf{E}}$ NUTR. MAX. DEPTH = REMARKS WEATHER SAL. LVPE 7.08:1173200787 SPD (amt) (deg) (m/s) SAMPLE BOTTLE SALINITY DIRN. WIND DATA File Name/Header VISIBILITY Moor & Indian **SEA STATE** CHIAM S/N (gub) DATA LOCATION PRESSURE WET BULB ္ပ SALINITY ন ১ DRY BULB ပ္ပ Tape/Diskette ID 7. . 3 6WI 7SEP991936 YR HR MIN TIME (GMT) CTD CONVERTED MONITOR VALUES SEC. TEMP FLUOR S/N PROJECT & LEG MF99-11 Q DATE JD= DAY JD/TIME PRI. TEMP. LONGITUDE Z 4 START DOWN AT SURFACÉ 785751 12 NI 6852 PAR S/M АТ ОЕРТН DATA ON DEG TIMES PRESSUŘE 7 0 LATITUDE 297 9 Z 889 530 303 884 9 SBE 9+ 09P89 1 RV Miller Freeman TRIP DEPTH DEG PRI COND SN SEC COND SN SEC TEMP SN PRI TEMP SN PRESS SN CONSC CAST # VESSEL POS. 7 9 7 က ß 9 ω Ø

VESSEL RV Miller	VESSEL RV Miller Freeman	n				PROJEC MF99-11	PROJECT & LEG MF99-11	EG	DSDB I.D.	I.D.			ST/	ATION	DESIGNA	STATION DESIGNATION 133-1		
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6 S	CONSC CAST #	LATITUDE	LONG	LONGITUDE	DAT	DATE JD=		TIME (GMT)	DRY BULB	WET BULB	PRESS 12 A 32	SEA ST VISIBIL	WIND WIN DIRN. SPI	SP CLOUD CLOUD TYPE	ITA3W	BOTTOM DEPTH	STA. NAME/ID	A. E/ID
	DEG	MIN	DEG	MIN	DAY	۲ MO	Ϋ́R	HR MIN	(၁့)	(၁ _၈)	* (mb)	*	(s/ш) (бар)	* * (S	*	(m)		
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VESSEL RV Miller Freeman	_			PR.	PROJECT & LEG MF99-11	LEG	DSDB I.D.	l.D.		:	STATIC 73	TION DESI 34-1	STATION DESIGNATION	z	
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CONSC CAST # LA	LATITUDE	LONG	LONGITUDE	DATE JD=	=(TIME (GMT)	DRY BULB	WET BULB	SESS SEAS	VISIBII D WIN D RN D RN D RN D RN D RN D RN D RN D R		39YT ITA3W	BOTTOM DEPTH		STA. NAME/ID
DEG	MIN	DEG	MIN	DAY	MO YR	HR MIN	(°C)	(၃)			* (s/m)		(m)		
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SBE 9+ 09P89 1	6 6 0	TIMES	JD/T/IME	IME			D.	DATA LOCATION	TION	7020		REMARKS	S)		
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CONSC CAST #	LATITUDE	LON LON	LONGITUDE	DATE JD=		TIME (GMT)	DRY BULB	WET	SBR9 8 A38 18181V	WIND DIRN.	SPD CLOUI	∃9YT TA∃W P	BOTTOM DEPTH	STA. NAME/ID
	DEG MIN	DEG	MIN	DAY MO	YR	HR MIN	(°C)	П		(deb)	(m/s)		(m)	
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SEC TEMP SN	IP SN 889	АТ БЕРТН										Cleaned	Cleaned air bleed valve	valve
PRI COND SN	D SN 530	AT SURFACE	 					 			MΑ	MAX. DEPTH =	H=65	
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Pos.	TRIP DEPTH	4 1 1		CTD CONVERTED MONITOR VALUES O O T	SONITOR	VALUES O 7]] T	SA	SAMPLE BOTTLE DATA	<u> </u>	SAMPLE	SAMPLE BOTTLE NUMBER	NUMBER
		PRESSURE	PRI. TEMP.	MP.	SEC. TEMP	EMP	SA	SALINITY		SALINITY	<u>.</u>	SAL. NI	NUTR: CHL.	WHIT'S L. NUTR.
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STATION DESIGNATION	ВОТТОМ DEPTH	Œ a	S		0-0	Cleaned air bleed valve	PTH =	TRANS. S/N	SAMPLE BOTTLE NUMBER	NUTR.	1366	1365	1364	1263	2007	1261	1260						1360
NO DESI	MEATHER	. 9	REMARKS		3	Clean	MAX. DEPTH =	TRAN	SAMP	SAL.	3				*					1			
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×	SEA STATE YTIJIBI2IV	Λ, Έ,		File Name/Header					SAM	0,													tun was
	PRESSURE	(qu Co	ATION	=ile Na				ChIAM S/N															twa
	WET BULB	() ()	DATA LOCATION					<u>ਵ</u>	 	SALINITY						•			-			-	7/
DSDB I.D.	DRY BULB	δ Ο	۵	tte ID				3		\S					,								1 570
o l	TIME (GMT)	HR MIN		Tape/Diskette ID				N 1 5	CTD CONVERTED MONITOR VALUES	EMP						,							5 Hu wecols
ROJECT & LEG IF99-11		7R 9		<u> -</u>				FLUOR S/N	NITOR \	SEC. TEMP													N. Y.
PROJEC MF99-11		S E P					f		ED MO	ļ	,								_				2
	DATE	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	JD/TIME					2	NVERT	MP.													
	Щ	MIN W	, and					2 4 2	стр со	PRI. TEMP					•				i 				
	LONGITUDE	-21			OWN	I	ACE	N/														:	
	S)	DEG 72	TIMES	DATA ON	START DOWN	АТ ОЕРТН	AT SURFACE	PAR S/N	7	 													
		Z	-	2 D	SO.	∢	▼			PRESSURE								٠					
	LATITUDE	MIN CO	0 9 9	977	884	889	530	303		<u> </u>													
VESSEL RV Miller Freeman				2			- 1	l	TRIP		65	50	Ö	20	20	0	C						
VESSEL RV Miller F	CONSC CAST #	P 3 S	€0 +6 ∃	PRESS SN	PRI TEMP SIN	SEC TEMP SN	PRI COND SN	SEC COND SN	POS.		_	2	8	4	2	9	7	8	6	10	11	12	
<u>></u> &	00	. ^ [<u> </u>	<u> </u>	<u>ā</u>	<u> </u>	ŭ	SE	امِ	<u></u>													

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VESSEL			<u>ā.</u>	PROJECT & LEG	ဂ္ဌ	DSDB 1.D.		*	STATIC	N DESK	SNATION	
RV Miller Freeman	n in	`	Σ	MF99-11			20	ゼ		137	137-1	
		5				:*	SURE	3TAT	(lms) C			
CONSC CAST # L	LATITUDE	LONGITUDE	DATE	=Qr	TIME (GMT)	DRY BULB	WET SE BULB	SEA S VISIBII DIRIN DIRIN ORN		39YT TA3W	BOTTOM DEPTH	STA. NAMEND
DEG	MIN	DEG MIN	DAY	MO YR	HR	(0,0)	Ţ	<u>.</u>			(m)	
83579	25.02N	16551	7 3 W 8 S E	9 9	£060	00	. S	016310	5	8 18	9	(A)
SBE 9+ 09P89 1	1660	TIMES	JD/TIME	,		DA	DATA LOCATION	, Z	<u>IE</u>	REMARKS	S,	
PRESS SN 2	2 9 7 7 2	DATA ON			Tape/Diskette ID	te ID	File N	File Name/Header	!	7	45 0	4
PRI TEMP SN	884	START DOWN							! 	,		T. I. II
SEC TEMP SN	889	AT DEPTH			250				<u></u>	Cleane	Cleaned air bleed valve	d valve
PRI COND SN	530	AT SURFACE						• -	ا جا	MAX. DEPTH =		59 m
SEC COND SN		M PAR S/N 4	2 4 2	KFLUOR S/N	LC.	3	CHIAM S/N	Z	L	TRANS. S/N	S. S/N	
POS TRIP DEPTH			CTD CONVERTED	D MONITOR VALUES	<u>VALUES</u>			SAMPLE BOTTLE DATA	OTTLE OTTLE	SAMP	LE BOTTL	SAMPLE BOTTLE NUMBER
	PRESSURE		PRI. TEMP.	SEC. TEMP	EMP	SAL	SALINITY	SALINITY		SAL.	NUTR.	WHIT'S CHL. NUTR.
58										4	1273	
2 50	Z	m.,									1272	>
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5 20	20										1269	>
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7 0	3			. !			,				1267	>
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6												
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VESSEL RV Miller Freeman	n	·		PROJECT & LEG MF99-11	r & leg	DSDB 1.D.	I.D.		STATI	STATION DESIGNATION (38-	NO.
		2				, , , ,		3TAT	(amt)		4
CONSC CAST #	LATITUDE	LONGITUDE		DATE JD=	TIME (GMT)	DRY	WET BULB	VISIBIL OF WIND SEA S		WEATH DEPTH	DM STA H NANEYD
DEG	MIN	DEG M	MIN	DAY MO	YR HR MIN	(°C)	(°C) (mb)				
845706	N 06.90	65 0	w £ €.	8 S E P	991206	0 0	9.281	1 a732 a	16	E 1048	h8 0-
SBE 9+ 09P89 1	1660	TIMES	JD/TIME	UΊ		DA	DATA LOCATION	Ž		REMARKS	
PRESS SN 2	29772	DATA ON			Tape/Diskette ID	cette ID	File	File Name/Header	<u> </u>	59 0	0
PRI TEMP SN	884	START DOWN	22			7			·	7	
SEC TEMP SN	889	АТ DEРТН		,	3		· · · · · · · · · · · · · · · · · · ·		 	Cleaned air bleed valve	oleed valve
PRI COND SN	530	AT SURFACE				*				MAX. DEPTH =	60
SEC COND SN	303	PAR S/N	4242	MFLL	FLUOR S/N 1 5	5 3	CHIAM S/N	N.		TRANS. S/N	1000
POS. TRIP DEPTH	l3]]	CTD CONVERTED		MONITOR VALUES]	SAMPLE BOTTLE DATA	BOTTLE I'A	SAMPLE BO	SAMPLE BOTTLE NUMBER
	а М М М М М	E SE	PRI TEMP		SEC. TEMP	AS.	SALINITY	SALINITY	<u> </u>	SAL. NUTR.	CHL NUTR.
00)	3									10	`
2 50	50			!						47	,
3	36				-					35-21	`
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9	0	£4			:		; .			72	1
7	8						,			n-{21	>
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PG 850F

VESSEL RV Miller Freeman		`	PROJECT & LEG MF99-11	T & LEG	DSDB I.D.	I.D.	ĕ	S	ATION D	STATION DESIGNATION	z	
	15 16						3TAT		(Jms) C	ਮੁਤਮ		
CONSC CAST # LATITUDE	LONG	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB	WET	SEA S SEA SIBII	WIND DIRN.	TYPE	E BOTTOM ■ DEPTH		STA
DEG MIN	DEG	MIN	DAY MO	YR HR MIN	(°C)	(C)		(deg)	,	(m)		
855652.36N	1,64 03	W-2-4-5	(XSEP	991539	7 8 7	Co	4000	9 80	188	5 72	4	8
SBE 9+ 09P89 1 6 6 0	TIMES	JD/TIME	ᆔ		Ď	DATA LOCATION	NO		REM	REMARKS		
PRESS SN 2 9 7 7 2	DATA ON			Tape/Diskette ID	skette ID	File	File Name/Header	eader		12		
PRI TEMP SN 884'	START DOWN	Z.				1			2.1			150
SEC TEMP SN 889	АТ БЕРТН								Ö	Cleaned air bleed valve	eed valv	ω.
PRI COND SN 530	AT SURFACE		-						MAX.	MAX. DEPTH ≈	9	- 1
SEC COND SN 303	PAR S/N	4 2 4 2	N I	FLUOR S/N 1 5	5 3	ChIAM S/N	N/S			TRANS. S/N_		
$\overline{}$		CTD CONVERTED	VERTED MON	ITOR VALUES			SAI	SAMPLE BOTTLE		SAMPLE BOTTLE NUMBER	TLE NUM	10 m
H H H			ets	(E)				DAIA	<u> </u>		٥	Med
- PRES	PRESSURE	PRI. TEMP		SEC. TEMP	<i>1</i> 'S	SALINITY		SALINITY	SAL	. NUTR.	CHL.	WHYT'S NUTR.
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2 50 50	0											2
50	0			-							,	
44 ph 44	4										1	>
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4h 9	f										>	†
7 36 30	0					,					>	>
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9 PF 34											`	
10 24 34											>	-
11 320 21				=	00	П					>)	>
12 00 0		Œ.									7	>

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STATION DESIGNATION	WIND (smt) PE PE BTHER BOTTOM	SPD CLYWE	0 4 8 4 8 6 8 6 8 6 8 6 8 6 8 6 8 6 8 6 8	REMARKS	File Name/Header 59		Cleaned air bleed valve	MAX. DEPTH = 61 m	ChIAM S/N	SAMPLE BOTTLE SAMPLE BOTTLE NUMBER	DATA	SALINITY SAL. NUTR. CHL., NUTR.	>										
T & LEG DSDB 1.D.	DRY	YR HR MIN (°C) (°C)	16.88.9	DATA LOCATION	Tape/Diskette ID F				5 3	ED MONITOR VALUES		SEC. TEMP SALINITY										3	
PROJECT & LEG MF99-11	,	LONGITUDE DATE JD= DEG MIN DAY MO	3wt 8	TIMES JD/TIME	DATA ON	START DOWN	Ат ОЕРТН	AT SURFACE	PAR S/N 4 2 4 2 FLI	CTD CONVERTED MON		PRI. TEMP.					1						
VESSEL RV Miller Freeman	CONSC	DEG MIN	52 . 35 N	3 0	PRESS SN 2 9 7 7, 2 DA	PRI TEMP SN 884 ST	SEC TEMP SN 889 AT	PRI COND SN 530 AT	SEC COND SN 303	POS. TRIP	DEPTH	PRESSURE	1 [3	2 (3 (3	71 21 8	4 5	5 5	ハ い 。	 8	6	10	11	12