WHITS NOTR NAME / ID STATION SAMPLE BOTTLE NUMBER 봀 Ю 026.0 BOTTOM DEPTH NUTR STATION DESIGNATION PG **NEATHER** SAL CLOUD (amt) TYPE REMARKS x Cleaned air bleed valve
MAX. DEPTH (m)
ChLAM S/N= MIND SHEED DIRECTION *O* V) SAMPLE BOTTLE SALINITY 휭 DATA MIND VISIBILITY 15/06/16/06: SEA STATE PRESSURE BULB WET CODID Filemanne for CTD 30 = STUI OTDO. 3/11/00 File Name/Header SALINITY BULB DRY GEBO POSADICI HR MIN TIME GMT MF-02-07 07 SECONDARY TEMP PROJECT & LEG Tape/Diskette 1D FLUOR S/N= CTD CONVERTED MONITOR VALUES DATE PRIMARY TEMP NOAA Ship MILLER FREEMAN LONGITUDE START DOWN PAR S/N= AT SURFACE AT DEPTH DATA ON **PRESSURE** 29772 710 LATITUDE 884 304 530 DEPTH SEC COND SN SEC TEMP SN PRI COND SN TRIP PRI TEMP SN PRESS SN VECCE CAST # 9 Ξ 12 æ O **NOITISO9** 3 S 9 ~ CONSECUTIVE

WHITS NAME / ID STATION SAMPLE BOTTLE NUMBER 占 OF BOTTOM DEPTH NUTR STATION DESIGNATION 20 PG CLOUD (amt) TYPE WEATHER 5 SAL REMARKS x Cleaned air bleed valve 8 MIND SPEED DIRECTION SAMPLE BOTTLE SALINITY MAX. DEPTH (m) ChLAM S/N= DATA SEA STATE VISIBILITY WIND PRESSURE BULB File Name/Header WET COD I.D. SALINITY BULB DRY HR MIN TIME GMT pewlor boy mooring SECONDARY TEMP PROJECT & LEG Tape/Diskette ID MF-02-01 FLUOR S/N= CTD CONVERTED MONITOR VALUES DATE Q M PRIMARY TEMP NOAA Ship MILLER FREEMAN LONGITUDE START DOWN PAR S/N= AT SURFACE AT DEPTH DATA ON Dre-recovery PRESSURE 91660 29772 710 LATITUDE 884 304 530 DEPTH SEC COND SN SEC TEMP SN PRI COND SN TRIP PR! TEMP SN PRESS SN المحددا SBE 94 CONSECUTIVE CAST # 10 F 12 ω σ, **NOITISO9** က S ဖ 2 4

8421048611002 WHITS NUTR NAME / ID STATION SAMPLE BOTTLE NUMBER 분 9 BOTTOM DEPTH NUTR STATION DESIGNATION PG CLOUD (amt) TYPE MEATHER SAL REMARKS x Cleaned air bleed valve MIND SEED DIRECTION 15 96 3736 D SAMPLE BOTTLE SALINITY DATA MAX. DEPTH (m) SEA STATE VISIBILITY WIND ChLAM S/N= PRESSURE BULB WET CODID File Name/Header SALINITY BULB DRY 315FERCA02097 GMT HR MIN Post Bergerment, Paulos Boy TIME SECONDARY TEMP PROJECT & LEG Tape/Diskette ID MF-02-01 FLUOR S/N= CTD CONVERTED MONITOR VALUES DATE ş DAY PRIMARY TEMP 130110114114 NOAA Ship MILLER FREEMAN LONGITUDE START DOWN PAR S/N= AT SURFACE АТ ОЕРТН DATA ON PRESSURE 29772 710 884 304 530 LATITUDE DEPTH SEC COND SN SEC TEMP SN TRIP PRI COND SN PRI TEMP SN PRESS SN VECCE CAST # 9 Ξ ထ 6 **NOITISO9** က 2 φ 2

CONSECUTIVE

12

2 WHITS NUTR NAME / 1D STATION SAMPLE BOTTLE NUMBER 9 몫 9 BOTTOM DEPTH NSTR <u>8</u> STATION DESIGNATION **MEATHER** CLOUD (amt) SAL も REMARKS x Cleaned air bleed valve MAX. DEPTH (m) knt's MIND SHEED DIRECTION SAMPLE BOTTLE SALINITY DATA <u>~</u> VISIBILITY ChLAM S/N= 45/09/09 SEA STATE PRESSURE BULB WET COD I.D. File Name/Header SALINITY BULB DRYDATA LOCATION HR MIN TIME GMT SECONDARY TEMP PROJECT & LEG Tape/Diskette ID MF-02-01 FLUOR S/N= CTD CONVERTED MONITOR VALUES DATE DAY PRIMARY TEMP NOAA Ship MILLER FREEMAN LONGITUDE Z START DOWN PAR S/N= AT SURFACE AT DEPTH DATA ON PRESSURE 29772 LATITUDE 710 884 304 530 TRIP DEPTH DEG SEC TEMP SN SEC COND SN PRI COND SN PRI TEMP SN PRESS SN 028 VECCE **SBE 9+** CONSECUTIVE 9 12 Ħ S 9 6 **NOITISO9** N 3 ø

PG 24 OF

.

STATION DESIGNATION			VT[8 77 51	S.			SAMPLE BOTTLE NUMBER	34	(LIVW)	SAL NUTR CHL NUTR	7										
STATION DE		ESSURE RESTION RECTION RECTION RECTION RECTION	MI SE	010729919	REMARKS	x Cleaned air bleed valve	MAX. DEPTH (m)	CILAIM SIV-	SAMPLE BOTTLE	DATA	SALINITY	112										8
COD I.D.		TIME DRY WET	GMT BULB BULB	39-23	CATION File Name/Header	CT1024					SALINITY											
PROJECT & LEG	MF-02-01	F	DATE GI	F 6 6 2 4] 😤			FLUOR S/N=	CTD CONVERTED MONTON VALUES		P SECONDARY TEMP											
	NOAA Ship MILLER FREEMAN		ONG	DEG MIN	DATA ON	START DOWN	AT DEPTH AT SURFACE	PAR S/N=	CTD CONVERSIEN		RE PRIMARY TEMP		×									
VECCEI	NOAA Ship MIL	# 1:	Ϋ́	DEG MIN	+ 9166C + 9166C		SEC TEMP SN 884 PRI COND SN 304				TRIP PRESSURE	25	2	6	4	2	9	7	- 00	6	10	12

PG 25 OF

אבטבען						PROJECT & LEG	R LEG		000	i.D.	,	S	STATION DESIGNATION	ESIGNA	NOIL	5	
	NOAA	NOAA Shin MILLER FREEMAN	FR FR	EEMAN		MF-02-01	2-01			-							
SECUTIVE T						ŝ.		TIME	DRY	WET	ESGURE ETATE	IBILITY JECTION	ND SPEED	OUD (amt) PE REHTAE	воттом		STATION
CON		LATITUDE	LO	LONGITUDE	2			GMT	BULB	BULB	/∃S	۱W و	<u> </u>	ME LAI	DEPTH	NAM	NAME / ID
4	DEG.	Z Z		0 - NW XX		11	1	z O	1	حہ	7	8335	7	1 29	133		
₹ SBE BE		1660	7	TIMES	9		DATAL	DATA LOCATION		- -			REMARKS	ξKS			
PRESS SN PRI TEMP	PRESS SN PRI TEMP SN	29772 D	DATA ON START DOWN	NW.		l ape/Diskette ID	Cette ID	Lie Nam	CTO 025	Y el	ľ	•	-				
SEC 1	SEC TEMP SN	•	AT DEPTH							<u>*</u>	AAX DE	x Cleaned air bleed valve MAX DEPTH (m)	d valve				
<u>R</u>	PRI COND SN		AT SURFACE	7 1 N		FLUOR S/N=	=				ChLAM S/N=	-N					
SEC	SEC COND SN	530	2 VXL	CTD CONVERTED MONITOR VALUES	TED MO	NITOR VALL	ES					SAMPLE		SAME	SAMPLE BOTTLE NUMBER	LE NUME	3ER
113		-	U	Ç								BOTTLE					
NOI			1	}.								DATA					į
TISO	TRIP			DOMARY TEMP		SECONDARY TEMP	RY TEMI		SALINITY	<u> </u>		SALINITY		SAL	NUTR	늉	WHITS
d 7	i i	FRESSON	Ш		ļ								ā	74			
												:					
7 (77)						
2)																	
ruc																	
9											ļ						
7					E#												
00					ì			_									
o																	
5																	
=							\$	_			3.0						
12								_									

PG 26 OF

NOAA Ship MILLER FREEMAN	R FREEMAN	PROJECT & LEG MF-02-01		COD I.D			STATION DESIGNATION				
	a ^a		TIME	DRY N	WET	SESSURE SIBILITY SIBILITY	иир speed	LOUD (amt) YPE ABHTAEV			STATION
LATITUDE	LONGITUDE DAY	DATE MO YR	GMT B	BULB B	BULB	M IA) T	E CEDIT		NAME / ID
NIM C	20 CO	(FR. 02)	1	C- 11 &	0	9382	15/0	12	1809	2	0016
91660		DATA	0	P/Hoader			REM	REMARKS	1		
V	START DOWN			(10026		- Johanne sir blood valve	blood valve				
884 AT	AT DEPTH				<u>Σ ≥</u>	MAX. DEPTH (m)	J)				
	PAR S/N=	FLUOR S/N=			5	ChLAM S/N=			TOO I IO	7 1 11 17 2	200
	CTD CONVERTED MONITOR VALUES	ONITOR VALUES				SAMPLE BOTTLE	当当		SAMPLE BOTTLE NOMBER	LE NOME	Ř –
	•					DATA	A				F
TRIP PRESSURE	PRIMARY TEMP	SECONDARY TEMP		SALINITY		SALINITY	È	SAL	NUTR	됭	NCTR &
							2	0			
				į				1			
			-							8	
,											
						3					
						ş				_	

PG 27 OF

NOAA Ship MILER FREEMAN MF 02-01 Time NoA Ship MILER FREEMAN MF 02-01 Time NoAA Ship MILER FREEMAN MF 02-01 Time NoA Ship MILER FREEMAN MF 02-01 MF 02-02 MF 02-0						TOTI COOL			2		STA	O NOIL	FSIGNA	TION			
NA Ship MILER FREEMAN MF-02-01	טטנו	_				PROJECT & LE	ري	<u> </u>	٠ <u>٠</u>		5						
TIME DATE		NOAA Ship MIL	LLER FF	REEMAN		MF-02-01					-				-		
ATTITUDE	# 1			2		·	TIME	DRY		STATE YTIJIBI		-	30	BOTTOM	_	NOIT	
13	CVZ	LATITUDE	ΓO	NGITUDE	- 2	DATE		BULB	-	∧i2	AIO E		III	DEPTH		E/1D	
STATE PART	0	2 P	- DEG	7 7		CEB	7 S 9 (1 4	10	3	\ <u>\</u>	35	499	30	± 0 0	P	4
710 START DOWN	E 9+	91660	DATAON	TIMES		DATA Tape/Diskette II	Ö	N lame/Heade				REMAR	S S				
S84 A TSURFACE FLUOR SAN= ChLOM SAN= SAMPLE BOTTLE NUM S10	I TEN		START DO	OWN			-	1700		Cleaned	air bleed	valve					
PRESSURE PRIMARY TEMP SECONDARY TEMP SALINITY SALINITY CH.	C TE		AT SURFA	ACE						MAX. DEPT	(m)						
CTD CONVEKTED MONTION VALUES SAMPLE 1	8	ž.	PAR	S/N=		FLUOR S/N=				Chlam S/N=			SAM	LE BOTT	TLE NUM	BER	
TRIP PRESSURE PRIMARY TEMP SALINITY SALINITY CH.				CTD CONVER		ALOES AALOES				A SA	MPLE	-				<u>, '-</u>	
TRIP PRESSURE PRIMARY TEMP SECONDARY TEMP SALIMITY SAL NUTR CH.	NO		•								ATA				7		
	_	<u></u>	JRE	PRIMARY TE	-	SECONDARY TE	MP	SALINIT	>	SA	YTINITY		SAL	NUTR		WHITS	
		1365											7				
	-			Ħ													
	_						\dashv			83							
										-		-					
	~																
	_																
	_								1		ļ						
	0								1								
	-				\dashv				1								
	2				-												

PG 28 OF

MF-02-01		1		PROJECT & LEG	ි ල	COD I.D	i.D.		STAT	STATION DESIGNATION	GNATI	NO	5	
TIME DRY WET GAT BULB BULB PRESSURE COTION STATE THE MIN "C" "C" mb SEE SIBILITY SAMPLE BOTTLE NUMBER SAMPLE SAMPL	NOAA Ship MILLER FREEMAN N		_	MF-02-01		_			-	F				
Chicamol air bleed valve					TIME	DRY	WET	STATS A			A3HTA3	SOTTOM	STATIC	×
HR MIN			}-		GMT	BULB		AIS SE	iia	- 1	M	DEPTH	NAME /	2
TEMP SALINITY SALINITY SALINITY CH.	MIN DEG MIN DAY MO	MIN DAY MO	W U I	× 6	H O	2	့ ၁ –	2	Va	E 00	5		9	0
TEMP SALINITY SALINITY SALINITY CHL	TIMES	TIMES	-		LOCATION	+	•			MARKS	e.l			
TEMP SALINITY SALINITY SALINITY CH.	29772 DATA ON		Tape/	Diskette II		ame/Heade								
TEMP SALINITY SALINITY SALINITY CHL	PRITEMP SN 710 START DOWN	TAKI DOWN				2		Cleaned ai	bleed v	Ive		ļ		
TEMP SALINITY SALINITY SALINITY CHL	9004	TSURFACE			} .		<u> </u>	AX. DEPTH	(E)					
SAMPLE BOTTLE DATA DATA DATA DATA DATA DATA CHL CHL CHL CHL CHL CHL CHL CH	530 PAR S/N=		FLUO	R S/N=			0	HLAM S/N=		7				
SALINITY SALINITY SAL NUTR CH. 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.		CTD CONVERTED MONITOR VA	ONITOR VA	VLUES,	2	No.	K	SAN	Щ		SAMPL		E NUMBE	Y.
SALINITY SALINITY SAL NUTR CHL	KOIN THE RECEDEN	2 THE PE	7.95%	T.		The second second		108			Ø	0	35	
SALINITY SALINITY ONLY ONLY	\vdash	\vdash									1	<u> </u>		₹ F
	H PRESSURE PRIMARY TEMP	PRIMARY TEMP	SECOND	ARY TE	a. X	SALINIT	_	SAL		, 4	,			
						1		29-						
						:								
										-		\dashv	-	
													i	
					:									
														Ì
											+			
								8)				-		

PG 29 OF

			STATION	NAME / ID				·			0	8F.K			WHIIS								T						
5		_				7	21 > 50-	_ }			L	LE NOM	7		훔						131								
1	<u> </u>		BOTTOM	DEPTH	- - -	7	~)			1	SAMPLE BOTTLE NUMBER	30		NUTR											-		-	
	<u> </u>	F	ЯЗНТЛ	ΛΞΛ				0				SAMPL		-					+		+	+	+	+		 -	-	+	\dashv
i d	ביי		UD (amt)	СГО		M	IRKS	16.			╡				SAL	%				_		1	_					\perp	
	STATION DESIGNATION		O SPEED			1/2	REMARKS		x Cleaned air bleed valve						!	146													
	ιν <u> </u>	\dashv	иоітэ		뜅	5			ir blee	Έ		40	BOTTLE	DATA	SALINITY							Ì							
		-	STATE YTIJII	VISIB VISIB		37			aned a	EPTH	S/N=	CAR	8 8	ò	SAL									i				14	
			SOURE		$\overline{}$	8			X Cle	MAX. DEPTH (m)	ChLAM S/N=																		
	<u></u>		WET	RUB	့	2	_	ار							>										6				
	COD 1.0	_	>80	. E	ပ္	त		File Name/Header	C+0029						SAI INITY														
	-		T ME	I W	HR MIN	7	DATA LOCATION	File N	5	•								-	+								-	_	
	& LEG	5	<u>.</u>		YRH	4	ATAL	Xte 12			=	S	_	1	Z Z												1.5		
	PROJECT & LEG	MF-02-01		DATE	\vdash	و_	<u>.</u>	Tape/Diskette ID			FLUOR S/N=	CTD CONVERTED MONITOR VALUES	_	\	SECONDARY TEMP														
	<u>æ</u>	-		Č	DAY	7	1	<u> </u>			17	ONITO	10-	4	אַנייַ														
		}				142			1			TED M	6,	5	CMD		64												
		MAN	=	: <u>C</u>		3 04	TIMES					CONVE	7	O. S	ODILIADY TEMP														
	2	REE			5	-	 -	N.	START DOWN	FACE	S S	CTD	が	Ç	1		+	$\frac{1}{1}$	-						-	+		_	
		LER		_	בייטי בייטי			DATA ON	START DO	AT SUF	PAR S/N=		3	a		휘													
		o MIL		36	-	000		Ŋ	_				3			THEOLOGIC													
		NOAA Ship MILLER FREEMAN		į	LATITUDE	15	╗┰	29772	710	304	101	120	2/20	le T		7						 							
		NOA		-	Y	5 6 2			Z 2	5 Z	, Z	5	0	-		ב <u>ו</u> רי	+	2.5					+	+	+	+	\dashv		
	VECCEI		#	TSA:		9 0		PRESS SN	PRITEMPSN	PRI COND.SN	SEC COND SN					3 -	1	4					-	-	-	_	_		
	2		# ECUTIVE	SNO	0	C	SBE 94	PRE	Z j	í Œ	. V	3		NOI.	TISO	d '		7	ധ	4	2	မ	,			က	우	1	12

. Р П PG 30

	STATION	NAME / ID					ABER		14/CI	NUTR S												
			1				LENU	10		콩												
NOI	воттом	DEPTH	167				SAMPLE BOTTLE NUMBER	N		NUTR			-									
STATION DESIGNATION	OUD (amt) PE REHTRE	м -	6 6 KS				SAMP			SAL		-							\dagger		+	-
TION DE	AD SEED		REMARKS		alve				1						\parallel	-		+		+	+	
STA	ECTION	- 1: L	2 6		bleed v		 	3	₹	Ϋ́				9								
	STATE YTING	SIA I	5 7 /		X Cleaned air bleed valve	=N/S		SAMPLE	DATA	SALINITY											X	
	SSURE	ا ۾ ان	9 73		× X	ChLAM S/N=				-	<u> </u>		2.									
i.D	WET	BULB	23	<u> </u>			i			Si .					1							
COD 1.D.	DRY	BULB C	2	File Name/Header	030					SALINITY	6											
		Z	7 CA	File Nam	CTO			95														
LEG	TIME	H	DATA LOCATION					5. K		TEMP										e u	9	
PROJECT & LEG		YR	_0	Tape/Diskette ID		FLUOR S/N=	VALUES	Course		SECONDARY TEMP				,		.						
PRO		DAY MO	3 4	Tape		FLU	ONITOR	The state of the s		SECO				_								
		à	75		*		ERTED M	2		TEMP												
CAVAN	NOAA Ship Mileen Freeze	LONGITUDE	7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	2 - 2			CTD CONVERTED MONITOR VALUES	g.		PRIMARY TEMP		!										
		LON	9	DATA ON	AT DEPTH	AT SURFACE	בל הלילו	4		a.												
	2		0		<u> </u>	₹[7	KC-02-		HAI ISSUED												
	dino v	LATITUDE	9	91660 29772	884	304	230	7		J GO	8											
	PONT TO THE PONT T	DEG	562	_ 2	NS.	NS S	NSO			TRIP	LO.	1								-		
VECCEI	SECUTIVE T #	CYS	030	SBE 9+ PRESS SN	SEC TEMP SN	PRI COND SN	SEC COND SN	, ,	IOI	LISO	\	2	10	2 4	. 2	9	7		· σ.	. <u>6</u>	=	12