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VESSEL R/V Kilo Moana	Moana				K 3	PROJECT & LEG KM0313		DSDB 1.D.	Ġ.		S	STATION DESIGNATION	ATION	
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VESSEL R/V Kilo Moana					PROJECT KM0313	PROJECT & LEG KM0313		DS08 1.D.				STATION	STATION DESIGNATION	N.		
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C S S V	MIN O . O	DEG 5		97 W 15	S S E	TP 03	HR MIN	(3,)	(°C)		(deg)	+ (s/m) €	*	(m)	KE,	I N
	SEAPOINT FL DA	TIMES DATA ON		JD/TIME			REMARKS					ě		-	мах рертн	
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CONSC CAST #	1 ATTHIDE		JORGELEGIOE	DATE JD		TIME (GMT)	DRY BULB	WET BULB	SEA STATE A32 YTURIEN	WIND W	S WN CLOUD (amt) TYPE WEATHER	BOTTOM DEPTH	STA. NAME/ID
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_ե ն] º	NOLLING	SAMPL	E BOTTLE NUME	SER VOI	OTHER			SAMPLE COMMENTS:	Z: TS:			
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CONSC CAST #	LATITUDE	20	ONGITIDE	DATE ID.		TIME (GMT)	DRY BULB	MESSURE E E E E E E E E E E E E E E E E E E	STAT2 A33 YTLIBISIN	ON W	CLOUD (amt) TYPE VEATHER	ВОТТОМ	STA NAME/ID
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PAR VETSTAR	SEAPOINT FL	TIMES DATA ON	e e	JD/TIME		REMARKS		Ď.					мах рертн
FIRED DEPTH	ROSETTE POSITION	NOILIS	SAMPL	SAMPLE BOTTLE NUMBER	BER	OTINE		SAI	SAMPLE COMMENTS:				
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STATION DESIGNATION	CCOUD (smt) TYPE WEATHER PETTOM							37506						3 miles des	eter saul	Som 7 31												
STATIO	WIND WIND DIRN. SPD.	(m/s)		ENTS:		36B5a	7	NA S	42 N	060 W				(nl. 23	Altin	1 pat 1 4												
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DSDB I.D.	DRY BULB WET BULB	(C)				Jalibra) (Leploye	late.	Long	time			Sotton d	Buch 18	Stagend							:					
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PROJECT & LEG KM0313	= Qf	MO YR S E P 0 3	1319	NUMBER CHI VOI		37			70										0.5		19							
	DE DATE	MIN DAY	JD/TIME	SAMPLE BOTTLE NUMBER	7	7	<u></u>	\ \ \	2	2716	2																	
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STATION DESIGNATION	CLOUD (amt) TYPE WEATHER	* *			184																							
STATIO	WIND SPD.	(m/s)			1. 21 35-134A																							
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VESSEL R/V Kito Moana	CONSC CAST #	024	PAR WETSTAR	SEO DEPTH		2	3	4	S	9	7	8	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

STATION DESIGNATION	O (smt)	WIND WIND S ₩ ₹ BOTTOM STA. NAME/ID	(deg) (m/s) * * * (m)	₹ ¥	NTS:	nutriant sounde of the metin	ΙV		6 1/2 3/3 BB.	A																		100000000000000000000000000000000000000	
DSDB I.D.	3TAT.	(GMT) DR	MIN (°C) (°C) (°C) (°C) (°C) (°C) (°C) (°C)	REMARKS	SAMPLE COMMENTS:	Got downle	n Cal. pratie		pre-puchum rales	a A				-				177											
PROJECT & LEG KM0313	. 333W	LONGITUDE DATE JD=		JD/TIME 1607 ON STOOT 1607	SAMPLE BOTTLE NUMBER	ALL VOL.	2						6.8																
VESSEL R/V Kilo Moana	N57.	LATITUDE	O 2 5 5 9 / 6 . 8 ! N 1	AR SEAPOINT FL Z	FRED DEPTH POSETTE POSITION	16m	2 16m	ю	4	5	9	2	8	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

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ATION	185 BOTTOM DEPTH	<u> </u>	2643			36B3MB	~																						
STATION DESIGNATION	S NO CLOUD (amt) TYPE TYPE	6 .	d = 2:	2 +:24@		for 36	<i></i>						here									:							
	YTIJBILITY ON WIND	. 00	۱۳,	SAMPLE COMMENTS		cost	Emound	, //					ter the			1600													
,	WET BULB PRESSURE	(dE) —	1	16.04 N		Zer	I derol	B					161.0	-		not do						- 63							
DSDB 1.D.	DRY BULB WET	 	1 /	56		alibra	Po	40					i long	0 . 0	1.1	Wedid										-		٨	
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PROJECT & LEG KM0313	<u> </u>	MO YR	RE	EB.	CHL. VOL.			()																					
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	ነራ. ቂሳ LATITUDE	MIN (SEAPOINT FL	ROSET		3	7	9	1	5		7	2	<u>,</u>														
VESSEL R/V Kilo Moana	CONSC CAST #	02659		WEISTAK S	힉	08	1500	(25	3	75.	500	30 4	26,	9	٥														
VESSEL R/V Kilo	88	S	PAR	* #	SE		2	m	4	'n	9	7	∞	6	2	=	12	13	14	15	16	17	18	19	20	21	22	23	24

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ATION	WEATHER POTTOM DEPTH																											
STATION DESIGNATION	S NEVEL (SIME)	9 h (* (s/w)																										
v	3TAT2 A32 YTUI8I2IV NIS IO	2 2 8 7 8	<i>(</i> 2)	SAMPLE COMMENTS:	!																							
O.	WET BULB	(dm) (0.)	#	SAM														,			2							
DSDB I.D.) DRY BULB	(°)					:				:														·			
,	ф7ФФ ПМЕ (GMT)	HR WIN	REMARKS		OTHER					,																		
PROJECT & LEG KM0313		MO YR S E P 0 3		MBER	CHL. VOL.				1 6to	13814	233 1	181 1					ļ											
<u>a</u> z	DATE JD=		JD/TIME	SAMPLE BOTTLE NUMBER	MUTRIENTS 6	7	00	6	01	4 ==	いる	18 F										Α			:			
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SEL Kilo Moana		0	TAR		CASKED	\$	75	49			01	Q																
VESSEL R/V Kilo Moana	CONSC 11.45	1 1 6			1 (43)	孝 -	75	49	s 40		01 2	<i>Q</i>	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	

VESSEL R/V Kilo Moana			PROL	PROJECT & LEG KM0313		.O.1 8080		ST/	STATION DESIGNATION	181
59 01	59 06,927W	148 38,770W					∃TA.		(smt)	
CONSC CAST #	ГАТПОЕ	TONGILINDE	DATE JD=		TIME (GMT)	DRY BULB	WEESSU PRESSU	WIND DIRN.	WIND CLOUD TYPE WEATH	STA, NAME/ID
	MIN	9	DAY	ξ-	H.	1	(E)	(deg)	\	╂
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PAR WETSTAR SE	SEAPOINT FL	TIMES DATA ON	JD/TIME ON OSO!		REMARKS		ñ ŝr		19/6/	мах рертн
			AMPLE BOTTLE NUMB	æ			SAMPLE COMMENTS:	WENTS:		
Sex.	KOSETTE POSITION	δ <u></u>	NOT KIEN IS	CAL: VOI:	ž D					
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STATION DESIGNATION CORP. GARLINGS	WIND WIND (amt) TYPE TYPE DIRN. SPD. CLOUD (amt) OPPTHER SPD. CLOUD (amt) TYPE DIRN. SPD. CAME/ID	(m/s) * * * (m)											FROM ROSETTE POSITION # 15				エトノエ		77	20000	オの大きこ・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	S ROTTLE))	MY NEVER	1127	ACCORDING TO CHAD29.6+1 FILE		
DSDB I.D.	TIME (GMT) DRY BULB WET BULB YTUSIBILITY ZEC STATE YTUSIBILITY	MIN (°C) (°C) (mb) * *	·	SAMPLE COMMENTS:	OTHER								SAMPLED ONLY FR				TOPK L' AKTOR		刊1十十日		DEPTH		PER		ROSETTE BOTTLE	FIRED ACCORD		
PROJECT & LEG KM0313	DATE JD∞ TIME	MO YR	JD/TIME REMARKS	NUMBER	. VOL.	24	75	26	14	28	1586 66		3 (32 4811	33 2834	34 281 1												
	LONGITUDE	DEG MIN	TIMES & JD/		SALT	7					3	7	15 to 10	19: W E	20 5	21	-									-		
VESSEL R/V Kilo Mgana	VSC T # LATITUDE	9 5 9 6	PAR 🗸 SEAPOINT FL	_	DESIRED ROSETTE POSITION	7	15.0	7	001	56,	50		10 C	200	0	C												
VESSEL R/V Kilo	CONSC CAST #	0	PAR	FIRED	SEQ.	- 2	8	χ	125 5	9 00/	75 7	50,00	6 04	10	11	12	13	4	15	16	17	18	19	20	21	22	53	24

STA. NAME/ID MAX DEPTH 2 48 BOTTOM DEPTH Ξ STATION DESIGNATION TYPE WEATHER CLOUD (amt) Buelog Report Frong Scrittward current on This line. Confession by greater Spotoner grown of for same # theress (m/s) WIND SPD. WIND DIRN. (deb) SAMPLE COMMENTS: YILIBIZIY **STATS A32** (gm) WET BULB DSDB I.D. DRY BULB 1014 1004 HR MIN TIME (GMT) OTHER 0102030 REMARKS 1 0 w / 7 S E P 0 3 PROJECT & LEG KM0313 ٣ CHL. VOL. õ SAMPLE BOTTLE NUMBER
T NUTRIENTS CHI 47T DATE JD-7 456 44 7 43 39 DAY H 33 24 36 JD/TIME SALT LONGITUDE 14849 DATA ON DEG TIMES ROSETTE POSITION 2 0 0 m 5 9 7 SEAPOINT FL LATTTUDE L535060 Rotous 75 100 200 150 125 HA 75 29 WETSTAR THEED DEPTH SEQ. DESIRED 20 20 R/V Kilo Moana CONSC CAST # VESSEL)º 12 15 16 7 18 6 20 21 22 23 24 6 13 14 Ģ æ

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CONSC CAST # LATITUDE DEG MIN PAR	TIMES TIMES TIMES TO DATA ON THE POSITION	LONGITUDE MIN 4	Д			-		3TA:	Š Š Š Š Š Š Š Š Š Š Š Š Š Š Š Š Š Š Š	HER	aka
DEG MIN DEGTH SEAPOINT	TIMES TIMES DEG TIMES DATA ON TE POSITION	LONGITUDE MIN			100			TS IJIE		T,	2
DEG MIN 5 6 5 3 . DEPTH DESIRED R 250		SAL SAL	╡	ł	<u> </u>	-	9		SPD.	IQ/T	STA. NAME/ID
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VESSEL R/V Kilo Moana				P. W.	PROJECT & LEG KM0313		DSDB I.D.	0.		STATION DESIGNATION	TION	
CONSC CAST #	LATITUDE	LON	LONGITUDE	DATE JD=		1223 TIME (GMT)	DRY BULB	WET BULB	PRESSURE SEA STATE TIMESIVITY OR WENT OF THE STATE THE STATE OF THE ST	S W S O O O CLOUD (amt) TYPE WEATHER	ВОТТОМ DEPTH	STA, NAME/ID
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PAR	EMOGRAS	TIMES 8	JD/TIME			REMARKS		47. 88				MAX DEPTH
FIRED DEPTH	1	אַס עינעם עינעם	SAMPLE	BOTTLE NUN	18ER				SAMPLE COMMENTS:			ý
SEQ. DESIRED	D ROSETTE POSITION	NOLLISC	SALT NUTRIENTS CH	UTRIENTS	CHL. VOL.	OTHER						
1 ROT			8/	62								
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3 200		t		69								
4 175				151								
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VESSEL R/V Kilo Moana	9.0			8 3	PROJECT & LEG KM0313		DSDB I.D. STATION DESIGNATION $ABC/CB-/A$
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	SEAPOINT FL	DATA ON) 1	Start	1345	KEMAKKS	
FIRED DEPTH	NOTICE BOSTICE		SAMPLE	SAMPLE BOTTLE NUMBER	ABER CLI VOI	GILLE	SAMPLE COMMENTS:
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STATION DESIGNATION ATBZ	₹ SOUD (amt) E ATHER	Sign CLO	(m) (m/s) * * * (m) 760 7	111																										
DSDB I.D.	SSURE TELES	WET BULB PRE				SAMPLE COMMENTS:																								
		TIME (GMT) DR	P 0 3 / 50 3	문	6	$^{+}$	VOC.				,																			
PROJECT & LEG	M240.	LONGITUDE DATE JD.	PI WITSE	JD/TIME ON 1458	start 1459	SAMPLE BOTTLE NUMBER	NOINENIS CHE	(%)	8-8	05	16 9	6 92	E 43	_																
	452 W	UDE	36.82 N - 48	TIMES	SEAPOINT FL DATA ON		MOSELIE POSITION	87	5	6	//	13		_																
VESSEL R/V Kilo Moana	CSNCC	CAST#	0 3 4 S 8	PAR	*	FIRED DEPTH	1 Rot						0 2		8	80 6	9 6 10	9 9 10 11	9 10 11 12	9 9 10 11 12 13	9 9 10 11 13 14	9 9 10 10 11 11 11 11 11 11 11 11 11 11 11	9 6 9 10 11 11 12 12 13 15 16 16 16 16 16 16 16 16 16 16 16 16 16	9 9 10 11 13 14 15 17	8 6 9 10 11 12 12 13 15 17 17 18 18	9 9 10 11 13 13 16 17 19	9 10 11 12 13 15 16 17 19 20	9 9 10 11 13 14 15 16 17 17 20 20	9 10 11 11 12 13 16 17 18 19 20 20 21 22	9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

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VESSEL R/V Kilo Moana				<u>- ×</u>	PROJECT & LEG KM0313		DSDB I.D.			STATION	STATION DESIGNATION	
CONSC CAST #	LATITUDE	LON	LONGITUDE	4 DATE	4	TIME (GMT)	DRY BULB	WESSOURE SEA STATE	VISIBILITY	S S CLOUD (amt)	медтнее Воттом	STA, NAME/ID
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PAR		TIMES			-	. ₩						мах рертн
- 1	SEAPOINT FL D	DATA ON						.				
SEQ. DESIRED	ROSETTE POSITION	NOIL	SALT	SAMPLE BOTTLE NUMBER SALT NUTRIENTS CHI	JMBER CHL. VOL.	OTHER		SAMPLE (SAMPLE COMMENTS:			
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R/V Kilo Moana			KM0313	313		_			
							37AT2	(tms) Ol	
CAST # LATITUDE	*	LONGITUDE	DATE JD=		TIME (GMT)	DRY BULB WET BULB	PRES	WEA CLOC TYPE TYPE	STA. NAME/ID
DEG MIN	DEG T	۾ ا	DAY M	MO YR	H WIN	(°) (°) (°) (°) (°) (°) (°) (°) (°) (°)	* (qup)	* * * (S/m)	1 1 0 1
- 2	TIMES	<u>-</u>	<u>، ا</u>	2	DEMARKS	<u>.</u>		2 1 1 1 1 1 1 1	A PEOPLY XVI
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HTH COOK		SAMPLE	SAMPLE BOTTLE NUMBER	BER	1111		SAMPLE COMMENTS:		
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VESSEL R/V Kilo Moana			PRC	PROJECT & LEG KM0313		S GI BOSO	STATION DESIGNATION CARK 12
						STAT:	THER M
CONSC CAST #	LATITUDE	LONGITUDE	DATE JD=		TIME (GMT)	DRY BULB WET BULB C SE SIGN WIND W	WIND OF THE BOTTOM STA. NAME/ID
03 # 5 9	4 5 . 8 9 N	DEG MIN	ν	MO YR E P 0 3 4	HR MIN	* * (deg) 1 1 1 1 1 1 1 1 1	(m/s) * * * (m)
-1	POINT EI		JD/TIME			shelpans	MAX DEPTH
FIRED DEPTH	4	ŀ	AMPLE BOTTLE NUM	88	_	SAMPLE COMMENTS:	
SEQ. DESIRED	ROSETTE POSITION	SAL	T NUTRIENTS CH	CHL. VOL.	OTHER		
1 252			ㅂ				
2 225	3		Įģ		*****		
	\$		61				
1 1751			70				
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VESSEL R/V Kilo Moana			PROJECT & LEG KM0313		DSDB I.D.			STATION DESIGNATION	ATION	
CONSC 41.91 CAST #		19.32.	DATE JD=	か3や7 TIME (GMT)	DRY BULB W	WET BULB	STATS A3S YTUIBISIV SERVICE S VINC CLOUD (amt) TYPE TYPE	222 BOTTOM DEPTH	STA. NAME/ID	
DEG MIN .	0EG	NIM NIM N 3 8 W	MO YE	HR MIN	1 -	12/2	1 7 4 5	(m/s) + 0		G81A
PAR CEADONITE	TIMES	JD/TIME	ME	REMARKS		= '. 30'	•			мах рертн
	4	SAMPLE	SAMPLE BOTTLE NUMBER			SAME	SAMPLE COMMENTS:			
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	STA. NAME/ID	2GAK21	ЭТН										1																
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STATION DESIGNATION	TYPE WEATHER																												
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	WIND DIRN.	۸. ا		:NTS:																									:
	SEA STATE YTLIBICIY	. + 2	0.0	SAMPLE COMMENTS:															:										
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.D.	WET BULB	⊕ 14	(57)																										
DSDB I.D.	DRY BULB	(°) 0 . 2											:																
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	4 GE	<u> </u>	REMARKS	+	H																								
PROJECT & LEG KM0313		MO YR		SER.	CHL. VOL.					-																			
PROJECT KM0313	DATE JD=	S		TTLE NUME	SALT NUTRIENTS CH	P		7	3	4	S	و	() -	00	12														
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	15,54 LONGITUDE	8 · S		S.	SALT																								
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	34,59 LATITUDE	MIN 7	SEAPOINT FL		ROSE		3	کا	6		5	H	<u>S</u>	(6	18	6	,												
2		DEG MIN	SEAP.		ED ED	203	r 5±)	S4 -	1257	200	757	50 4	8	200	10.	ó									<u> </u>				
VESSEL R/V Kilo Moana	CONSC CAST #	5 68 0	PAR WETSTAR	FIRED DEPTH	EQ. DESIRED	م	2 (5			8		10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

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ATION	ВОТТОМ	5.0	-																									
STATION DESIGNATION	S NO CLOUD (amt) TYPE WEATHER	水																										
	VISIBILITY NISIBILITY OR WIND OR WIN	00	=	SAMPLE COMMENTS:																								
	WET BULB		20	SAMPLE																								
DSDB I.D.	DRY BULB WE	(0.0)																										
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PROJECT & LEG KM0313	- QF	MO YR S E P 0 3	30	VUMBER CHI VOI	i i i				87												-							
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VESSEL R/V Kilo Moana	CONSC CAST #	क्रिभिक	PAR VETSTAR 7	FIRED DEPTH SEO. DESIREI		2	. 8	4	ín	9	7	8	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

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PG 0F	STATION DESIGNATION	WIND WIND (amt) OUD (amt) PEATHER SOTTOM OUT (amt)	(m/s) ci	634865	МАХ DEPTH	-	<i>i</i>																								
	DSDB I.D.	YESSURE STRING	(*C) (*C) (*Mb) * *	9 9 2 7 500370	ż	٠,	SAMPLE COMMENTS:													0											
57 26	PROJECT & LEG KM0313	276	MO YR HR	P 0 3 0 6			BOTTLE NUMBER OTHER OTHER		63	<u> </u>	59	99	729	6 8	69	35	ا ا ا ا ا	72													
		42.24	DEG	947.		DATA ON	ROSETTE POSITION SAMPLE BOTTLE N									1.		12.													
	VESSEL R/V Kito Moana	CONSC 28, 94	DEG	0415928.94h	PAR	WETSTAR SEAPOINT FL	FIRED DEPTH SEQ. DESIRED ROSETTE	1)		4 125 4 9	7	6 75- 13	hi	8 30 - 15	_	81 21 01	61 0 "	12	13	14	15	16	17	18	19	20	21	22	23	24

STATION DESIGNATION	WIND WIND COUD (amt) DIRN. SPD. CLOW DEPTH STA. NAME/ID	(m) * * * (s/m) (g	MA	190	TS:																								
DSDB I.D.	TIME (GMT) SEE STATE SEE STATE SEE STATE SEE STATE SEE STATE	(all 0.	REMARKS		SAMPLE COMMENTS:	OT ICK																**							
PROJECT & LEG KM0313		Ø √ W Q O S E P O 3	JD/TIME	N	SAMPLE BOTTLE NUMBER	52	h2	1 75	96		82	62	3	18	28	83		•		6									
VESSEL R/V Kilo Moana	CONSC CAST # LATITUDE	DEG MIN NIN KO N		SEAPOINT FL				150	125				_	20 16		0	12 28		14	15	16	17	18	19	20	21	22	23	24

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R/V Kilo Moana					KM0313		_					617	043
	LATITUDE	07	LONGITUDE	DATE JI	<i>598</i> - ar	TIME (GMT)	DRY BULB	WET BULB	PRESSURE SEA STATE YTLIBISIV	WIND W	S S S S S S S S S S S S S S S S S S S	воттом рертн	STA, NAME/ID
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Z	1	TIMES	9		-	REMARKS	-			28 0			MAX DEPTH
	SEAPOINT FL K	DATA ON	. 83					<u>.</u>	iii Ee	!			157
DESIRED	ROSETTE POSITION	NOLLISC	SALT	SALT INUTRIENTS CHI	CHL. VOL.	OTHER	<u>_</u>	n	SAMPLE COMMENTS:	S. S.			
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					PROJECT & LEG KM0313		OSDB 1.D.			STA1		C/9 NOIT	440/0
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ROSETTE POSITION	SITION		SALT	T NUTRIENTS CH	CHL. VOL.	OTHER		HARKO	LE CUMMENTS:				
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VESSEL R/V Kilo Moana				PR	PROJECT & LEG KM0313		DSDB I.D.		STA	STATION DESIGNATION	N. S.	1 16045
CONSC					6	!		3AUSS39 3TATS A	MIND	OUD (amt) PE AHTHER	.1	
CASI #	MIN	DEG	LONGITUDE	DATE JD-	JD- 4/6 3	TIME (GMT)	DRY BULB	as ∗	\neg	* WI	+	STA. NAME/ID
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WEISTAK		DATA ON	CAMPI	E ROTTI E NI IN	BED			SAMOLE COMMENTS:	MTC.			9
SEQ. DESIRED	ROSETTE POSITION	NOILISC	SALT	T NUTRIENTS CHI	CHL. VOL.	OTHER		SAMPLE COMME	Ä			
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STATION DESIGNATION ρ_{L}	Ö Ğ CLOUD (amt) TYPE WEATHER	* t & 9 C			- 1	Å														,								
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	PRESSURE SEA STATE YTURIBILITY	(dm) 0 3 0 6 0 5 0		SAMPLE COMMENTS:	1 -								920															
DSDB 1.D.	JLB WET BULB	(S)	127		1.7	ر د د															9							
0	SMT) DRY BULB	S NIM	ស		\perp	2		1						_		,		-									-	
	TIME (GMT)	¥ ↑	REMARKS		OTHER																							
PROJECT & LEG KM0313	596 - ar	MO YR S E P 0 3		MBER	CHL. VOL.				140													_		-				
<u>a</u> x	DATE JD	-	JD/TIME	SAMPLE BOTTLE NUMBER	NUTRIENTS) o		111	100	113	7	1	0)//															
	LONGITUDE	NIW 85	, ה	SAM	SALT	<u>0</u>	-			-	4	4	山				13				,							
		N SO	TIMES DATA ON	4	ROSETTE POSITION																							
	LATITUDE	7	SFAPOINT EL		ROSETTE	1 L	0	1	13	7.	15/2	16	8				**											
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