1 4

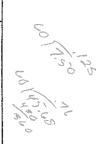
bucket	12	1	10	9	8	7	o	5	4	ω	2	-4	SEQ.	FIRED	SEC CO	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		00	CONSC CAST #	R/V Al	VESSEL
											11-00	Roll	DESIRED	FIRED DEPTH	SEC COND SN	NS OF	MP SN	(P SN	S.	ı		159,		R/V Alpha Helix	
			 								7	1	RO	<u></u>								5	LATITUDE		
													ROSETTE POSITION		2	Αī	AT	STA	DAI	TIMES	M	9 Z		HX287	CRL
											ļ	¢:	<u>Ş</u>		N/PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	ES	Local Da	492		87	CRUISE ID
												1-100/	SALT	SAMP			ļ	ı	ı	75	Local Date & Time	0 2	LONGITUDE		
	i.e			A								11	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME		20 W			
											<		CHL. Bot. no.	NUMBERS	V FLUOR S/N						J L	c 8	JD=	GLOBEC/FOCI	PROJECT & LEG
									50				t. no. CHL. VOL		NS S/N					Γ	0 4	9.7	<del></del>		LEG
													VOL									<u>u</u> 3	<del></del>		
															Spark							7.14	DRY BULB		DSD8 I.D.
									52.						A								WET BULB		
			:																			/ / /	PRESSURE SEA STATE		!
								:					COMMENTS									7 3 2	VISIBILITY		
																7				1		0	wind spo.	-	STATION
																MAX. DEPTH =			Cal	REMARKS			TYPE WEATHER		STATION DESIGNATION
																= 225		GR	Conseh			233	воттом		ON .
										b						3			1			<i>a</i>	STA. NAME/ID		
													į									B / A	IE/ID		

Celebration for 682c

bucket	12	=	ī	9	8	7	6	5	4	ω	2		SEQ. 0	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		400		CONSC CAST #	R/V Alpha Helix	VESSEL
											Z	305	DESIRED	DEPTH	NS C	SZ L	NS I	NS	_	(		59	DEG		a Helix	
									<u> </u>	<u></u>	<u>                                     </u>		70										X Z	LATITUDE		
			ł		!								ROSETTE POSITION									2 9 N		,,,		
													OSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	٤	1 42	DEG		нх287	CRUISE ID
						<u> </u>			<u></u>			2	SALT		N	Œ	_	NW			Local Date & Time	11		LONGITUDE		
												50201		SAMPLE						/JOL		25	<u> </u>	æ		
													NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	II.	× 0	DAY	DATE JD=		
											1			UMBERS	FLI						U L	J U L	N O	JD_	GLOBEC/FOCI	PROJECT & LEG
													CHL. Bot. no. C		FLUOR S/N_				ı	<u> </u>	0	2	¥	4	Ö	& LEG
											W		CHL. VOL.									W	HR MIN	TIME (GMT)		
																						15	(°C)	DRY BULB		
									223				9													DSDB I.D.
																							(°C)	WET BULB		
								VA														12	(dm)	PRESSURE SEA STATE		
										:			COMMENTS			;						7209	(d	VISIBILITY		
													πs									-		WIND WIND DIRN. SPD.		ST/
																MAX.				REMARKS		0	/s) *	으로 CLOUD (amt) TYPE	-	STATION DESIGNATION
									:							MAX. DEPTH =				RKS			#	WEATHER		SIGNATION
																218						218	3	BOTTOM DEPTH		-
																3						<b>(1)</b>		STA. NAME/ID		
											<u> </u>											821		ME/ID		

	bucket	12	11	10	9	8	7	6	5	4	3	2	 SEQ. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		73	DEG		R/V Alpha Helix	VESSEL
													ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Loca		DEG		HX287	CRUISE ID
42													SALT					≥ 	ĺ	/ar	Local Date & Time	9.50	N.	LONGITUDE		
-													NUTRIENTS	SAMPLE BOTTLE NUMBERS	4					JD/TIME	1 U	<b>L</b>	DAY MO	DATE JD=	GLOE	PROJ
							:						CHL. Bot. no. CHL. VOL.	ERS	FLUOR S/N_	J			i 		J L 0 4	L 0 4 0	¥		GLOBEC/FOCI	PROJECT & LEG
													IL VOL								-	0531		TIME (GMT)   DR		
										-			9									5		DRY BULB WET		DSDB LD.
:																						$\Box$	(m)	WET BULB PRESSURE		
													COMMENTS									7209	*	SEA STATE VISIBILITY  DR WIND		
77																MAX. DEPTH =		<u> </u>		REMARKS		0/	*	S No. (amt) CLOUD (amt) TYPE		STATION DESIGNATION
																EPTH =				S		1 29	$\neg$	WEATHER BOTTOM DEPTH		NATION
																3						9 6BM3		STA. NAME/ID		

bucket	12	=	10	9	8	7	6	5	4	ω	2	_	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		9		CONSC CAST #	R/V AI	VESSEL
											_	とって	DESIRED	FIRED DEPTH	ND SN	NS ON	MP SN	AP SN	NS	·		04159	D£G	≉ K	R/V Alpha Helix	•
· - ·-												7/										170	ME	LATITUDE		
													ROSETTE POSITION									N 9.2				:
													)SITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Loca	1848	DEG		HX287	CRUISE ID
												7	SALT	П		m		Ž			Local Date & Time	451	ME.	LONGITUDE		
												Α.	NUTR	AMPLE BOT						JD/TIME	ne ■	6 8 W 4		وا		
													NUTRIENTS	TLE NUMBI							r L	л г С	DAY MO	DATE JO-	GL OB	PROJ
							8				1		CHL. Bot. no.	SAMPLE BOTTLE NUMBERS	FLUOR S/				•		J L 0 4	0 4	O YR		GLOBEC/FOCI	PROJECT & LEG
													CHL VOL		Z							0343	HE MIN	TIME (GMT)		
																						13	(°C)	T) DRY BULB		
									30													0			-	'T'I BUSD
55									107													•	င်	WET BULB		
																							(mb)	PRESSURE SEA STATE		
													COMMENTS									7238	* (deg)	VISIBILITY DIRN.		
													S									8	) (m/s)	D WIND	-	STATI
	2.1															MAX. DEPTH =	<del>'</del>			REMARKS			*	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
																- HT				S)		148	3	ВОТТОМ ВЕРТН	1	ATION
																3						080				
																						4 A		STA. NAME/ID		



bucket	12	=	<b>5</b>	9	œ	7	6	5	4	ω	2	 SEQ.	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	3	00	9	CAST		R/V Alpha Helix	VESSEL
												DESIRED	DEPTH	INS OIL	NS (	IP SN	SN	z 			0055982.	DEG			na Helix	
	-											ROSETTE									2.69 <sub>N</sub>	MIN	ATITIONS OF	2		
												ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local (	<u></u>	DEG LO	 		HX287	CRUISE ID
												SALT	SAMPLE						/ar	Local Date & Time	6	MIN		h9'1h		
												NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	J	-	DAY	DATE IN		GLOE	PROJ
												CHL. Bot. no. CHL. VOL.	ERS	FLUOR S/N_				l 		U L 0 4	Г 0 4	Mo X			GLOBEC/FOCI	PROJECT & LEG
							_					CHL. VOL.									(3 (4)	$\dashv$	TIMF (GMT)	0426		
							ļ					==									18.00	$\dashv$	DRY RIM R		<u> </u> -	DSDB I.D.
																						_+	WET BUILB			
												СОМ									77	* 5	/ISIBI	TATE		
												COMMENTS							:		-64-		WIND WIND		<u> </u>	STAI
															MAX, DEPTH =	المن عدد		Sealiens	REMARKS		1 9 1	* (				NOITANDISED NOITATS
															1-192		,	١.	Salmer		1946	$\dashv$	BOTTOM	196		ON
															3	92		X CVP	1 4 mary p		1946BPSA		STA. NAME/ID	192		

25/20 0 0 K

Pb --- OF ---

bucket	12	=	5	9	ω	7	G	5	4	ω	2		SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		φ <b>φ</b> 6		CONSC CAST #	R/V Alpha Helix	VESSEL
												Fod	DESIRED	FIRED DEPTH	ND SN	D SN	₽SN 	PSN	ž 	I		6584	DEG	***	ha Helix	
												210	ROSE									1.20	MN.	LATITUDE		
													ROSETTE POSITION			AT	AT	STA	P.	TIMES		Z			HX287	CRU
													ĬŌN.		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	ES	Local C	00	DEG	LON	87	CRUISE ID
												< /	SALT	SAN							Local Date & Time	570.31	M N	LONGITUDE		
													NUTRIENTS	IPLE BOTT						JD/TIME	11	e e	DAY	DATE		
													NTS C	LE NUMBE							J U	<u>-</u>	MO	=QL 3T	GLOBE	PROJE
													IL. Bot. no.	SAMPLE BOTTLE NUMBERS	FLUOR S/N						1 0 4	0 4	ΥR		GLOBEC/FOCI	PROJECT & LEG
													CHL. Bot. no. CHL. VOL.								•	070	HR MIN	TIME (GMT)		
																						5/3	N (°C)	T) DRY BULB		
									.+-				ii									. 7	9			DSDB I.D.
																						•	(၀)	WET BULB		
																						<u>-</u> 4	(mb) +	PRESSURE SEA STATE		
													COMMENTS									72	* (deg)	VISIBILITY DRN.		
													rs .									d	L	ND WIND SPD.		STA
												:				MAX. D				REMARKS			*	CLOUD (amt)		STATION DESIGNATION
												:				MAX. DEPTH =				SS			*	WEATHER	}	IGNATIO
																2/0					,	<u>-</u>	(m)	BOTTOM		2
																3						GP B		STA. NAME/ID		•
						<u></u>																1 2 A		ME/ID		

S ALE

CRUSE D   CRUS	CAUSE ID   PROJECT & LES   DOSO LO.	CAUTILOR   CANSTILE	bucket	12	=	10	9	۰	00	7	6	ري د	4	ω	2	_	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		400		CONSC CAST #	R/V Alg	VESSEL
CRUSE ID	CRUSE ID HROBET A LEG HROZET HROZET LONGITUDE  LONGITUDE  LONGITUDE  DATE JD-  THUE (AMT) DEG MAN  DAY MO  THUE DATA ON  STAFT DOWN  AT DEPTH AT SURFACE  DATE DOTTLE NUMBERS  SCHILE BOTTLE NUMBERS  SCHILE BOTTLE NUMBERS  CHAL BOL NO. CHL VOL.  COMMENTS  CHAL BOL NO. CHL VOL.  COMMENTS  COMMENTS  CHAL BOL NO. CHL VOL.  COMMENTS	CRUSE D  HX287    CRUSE D    CRUSETOR   HX287    CRUSETOR   HX287    CRUSETOR   LONGITUDE   DATE _D								0	10	20	30	HO	50	200	DESIRED	DEPTH	ND SN	E SE	NS div	IP SN	ŝ	I		S	H		ha Helix	•
DATE	DOMORTUDE   DATE   D.   TIME (GMT)   DRY BULS   WET BULS   RE   SE   SE   WIND	DOMORTUDE   DATE UD-   TIME (GMT)   DRY BILLS   WET BILLS   SSS STABLE   WIND	:						-								ROSETT									G	¥	ATITUDE		
PROJECT & LEG	STALT   NUTRENTS   CH. Bot. no. CHL VOL.   COMMENTS   SALT   NUTRENTS   CH. Bot. no. CHL VOL.   COMMENTS   CH. Bot. no. CHL VOL.   C	DATE JD=   TIME (GMT) DRY BULB WET BULB SSURE STATE Y DAYS AT TIME (GMT) DRY BULB WET BULB SSURE STATE Y DAYS AT TIME   MIN (°C) (°C) (°C) (°C) (°C) (°C) (°C) (°C)			<u> </u>												E POSITION		PAR S/N	AT SURFAC	AT DEPTH	START DOV	DATA ON		Loca	- H 9			HX287	CRUISE ID
TIME (GMT) DRY BULB WET BULB PRESSURE  * SEA STATE	TIME (GMT) DRY BULB WET BULB PRESSURE  (°C) (°C) (mb) PRESSURE  SEA STATE  1 (deg)  CHL VOL  COMMENTS  COMMENTS	TIME (GMT) DRY BULB WET BULB PRESSURE  (°C) (°C) (mb) PRESSURE  SEA STATE  1 (deg)  CHL VOL  COMMENTS  COMMENTS														7	SALT	SAMP		m	ı	¥.		J.	l Date & Time		M.	ONGITUDE		
TIME (GMT) DRY BULB WET BULB PRESSURE  * SEA STATE	TIME (GMT)  DRY BULB  WET BULB  WET BULB  PRESSURE  SEA STATE  VISIBILITY  DIRN.  COMMENTS  COMMENTS	TIME (GMT) DRY BULB WET BULB PRESSURE  (*C) (*C) (mb) PRESSURE  SEA STATE  1 (deg)  CHL VOL  COMMENTS  COMMENTS					-										NUTRIENTS	TE BOTTLE NU						D/TIME	u -	-0 8	DAY	DATE JD	<u> </u>	-P
TIME (GMT) DRY BULB WET BULB WET BULB ("C) ("C) ("C) (mb) PRESSURE  * SEA STATE	TIME (GMT) DRY BULB WET BULB PRESSURE  (*C) (*C) (mb) PRESSURE  SEA STATE  VISIBILITY DIRN.  CHL VOL.  COMMENTS	TIME (GMT) DRY BULB WET BULB PRESSURE  (*C) (*C) (mb) PRESSURE  SEA STATE  1 (deg)  CHL VOL  COMMENTS  COMMENTS								1	/	7	7	,	7		CHL. Bot. no	MBERS	FLUOR S/I		İ				U L 0	U L 0	_	_	OBEC/FOCI	OJECT & LEG
WET CC CC BE PRESSURE  * SEA STATE	WET BULB  WET BULB  PRESSURE  * SEA STATE  T VISIBILITY  PRESSURE  * VISIBILITY  PRESSURE  * VISIBILITY  PRESSURE  * VISIBILITY  PRESSURE  * VISIBILITY  PRESSURE	WET BULB  WET BULB  WET BULB  PRESSURE  * SEA STATE  * VISIBILITY  PL Geg  DIRN.  COMMENTS															CHL VOL		1							-		TIME (GMT)		
C C B PRESSURE  * SEA STATE	COMMENTS  WET BULB  (*C)  (*C)  (*Mb)  PRESSURE  * SEA STATE  * VISIBILITY  * VISIBILITY  * Qeg  DIRN. UD  **  **  **  **  **  **  **  **  **	COMMENTS  WET BULB  (*C)  (*C)  (*Mb)  PRESSURE  * SEA STATE  * VISIBILITY  * VISIBILITY  * Qeg  DIRN. NO		·																						1 . 2	(°C)	DRY BULB		n adsa
* SEA STATE	COMMENTS  * SEA STATE  * VISIBILITY  Company  Company  * SEA STATE  * VISIBILITY  Company  * SEA STATE  * VISIBILITY  * VISIBILI	COMMENTS  * SEA STATE  * VISIBILITY  Company of the											101				= -											WET BULB		Þ
																	СОМ									11	*	SEA STATE	-	
MAX. DEPTH =     CLOUD (amt)   TYPE   WEATHER   DEPTH   COUNTY   C	MOLLOW MICHAEL WOLLOW																			3						2378		STA, NAME/ID		

₽ |-

VESSEL  R/V Alpha Helix  CONSC CAST # DEG MIN DEG MIN	CRUISE ID HX287 DEG DEG	MIN WINDE	PROJECT & LEG GLOBEC/FOCI  DATE JD-  DAY MO YR  DAY J U L 0	<del> *                                    </del>	R MIN	DSDB I.D.  DRY BULB  (°C)  (°C)	WET BULB	PRESSURE  * SEA STATE	* VISIBILITY  DIRN.  Odeg)	STATION I	STATION DESIGNATION  WIND DD (amt)  SPD. CLOUD (amt)  TYPE  * WEATHER  DD 2 4  A 4 4  A 4 4  A 4 4  A 4 4  A 4 4  A 4 4  A 4 4  A 4 4  A 6 6  A 7 4 4  A 7 4  A 7 4  A 7 4 4  A 7 4 4  A 7 4 4  A 7 4 4  A 7 4 4  A 7 4 4  A 7 4 4	H G 9 H BOTTOM DEPTH DEPTH	E4CE
	Local Da	Local Date & Time =	n r	0 4	10.1								
SBE 9+	TIMES	JD/TIME	П	1							REMARKS		
PRESS SN	DATA ON												
PRI TEMP SN	START DOWN												
SEC TEMP SN	АТ DEPTH												
PRI COND SN	AT SURFACE									Μ×	MAX. DEPTH =		3
SEC COND SN	PAR S/N			FLUOR S/N									
FIRED DEPTH	1	SAMPLE BO	SAMPLE BOTTLE NUMBERS	5,									
SEQ. DESIRED	ROSETTE POSITION	SALT NUT	NUTRIENTS CHL	CHL. Bot. no. Ch	CHL VOL.				COMMENTS				
1 5000			/										
2 400	í		IJ										
3 300 -			S										
4 2000			H										
5 150-			5										
6 100			1										
7 504			-7										
10h 8			<i>∞</i> 3										
9 301	<b>3</b> 1		36		4								
10 20.			106		ナ						E		
101			116		7								
0			126		4								
bucket													

east end of Twayers Lune

~ | 무

bucket SBE 9+ 449 SEC COND SN PRI COND SN SEC TEMP SN PRI TEMP SN R/V Alpha Helix VESSEL SEQ. PRESS SN FIRED DEPTH CAST # 12 5 ဖ 6 Çī DESIRED 1006 2001 000 150 -400 9 U <00. 10 0 2000 LATITUD€ ROSETTE POSITION 88 N 147 48 . 94 W 10 J U L looks like warn - salty CRUISE ID START DOWN DATA ON TIMES HX287 PAR S/N AT SURFACE AT DEPTH Local Date & Time LONGITUDE SALT SAMPLE BOTTLE NUMBERS JD/TIME NUTRIENTS 22 ろ 22 7 20 DATE JO-3 N I ã S, ũ JUL04 PROJECT & LEG GLOBEC/FOCI CHL. Bot. no. CHL. VOL. ₹ - FLUOR S/N 44 17 0 4 ¥ Austral 156-250 455¢18. 1450 픗 TIME (GMT) <u>K</u> DRY BULB OSDB LD 7 WET BULB ೦ PRESSURE SEA STATE 781 VISIBILITY COMMENTS DIRN. \ (s) SPD. STATION DESIGNATION CLOUD (amt) REMARKS MAX. DEPTH = TYPE WEATHER あって 4862 BOTTOM DEPTH 43719 STA. NAME/ID 3 E46

or cool blad 40-175 m

P6 | 07 |

bucket	12	==	10	9	8	7	6	S	4	ω	2	-	SEQ.	FIRED	SEC CC	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		9	CONSC CAST #	R/V AI	VESSEL
	0	10.	20,	30	3	703	1002	1507	2000	300 4	780H	5001	DESIRED	DEPTH	SEC COND SN	ND SN	MP SN	MP SN	NS	<del>+</del>		DEG 1		R/V Alpha Helix	
											`		ROSETTE POSITION			AT	АТ	31.	DA	TIP		7 + L	LATITUDE	Ж	CRI
												_		1	PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local Date & Time	65 t th	FONGLINDE	HX287	CRUISE ID
_													SALT	SAMPLE F						JD/TIME	& Time =	. 7 l w	59,84 wellook		
	e 23	32	78	N	S	3	30	24	28	27	26	75	NUTRIENTS	SAMPLE BOTTLE NUMBERS						Æ	L.,	- PAY	DATE JD=	ELO GELO	PRO
	7	~	7	77	4								CHL. Bot. no.	ERS	FLUOR S/N				l		U L 0 4	MO YR	-	GLOBEC/FOCI	PROJECT & LEG
													CHL. VOL.									# HR MIN	(IMB) 3MIT		
								v														(°C)	DRY BULB		DSDB I.D.
									51													. (C)	WET BULB		p.
													C									(mb) * *	PRESSURE SEA STATE VISIBILITY		
													COMMENTS									(deg)	WIND DIRN.		
								×								MAX. [	ź	<u> </u>		REMARKS		(m/s) * *	SE SE CLOUD (amt	<u>)</u>	STATION DESIGNATION
																MAX. DEPTH = 5	Max w/o			RKS		1 * 	WEATHER 4892		IGNATION
																SOO m	-540m					e 4	<del> </del>		
																	ž					0	STA. NAME/ID		

bucket	12	Ξ	10	9	ω	7	6	(A	4	ω	2		SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		0 1	CONSC CAST #		R/V Alpha Helix	VESSEL
	0	10	20	بر 0	070	50	100	150	200	000	700	500	DESIRED	DEPTH	NS ON	D SN	AP SN	SS SS	Z	1		12	DEG		ha Helix	
													ROSETTE POSITION		PAR	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	3	3 2	LATITUDE DEG		HX287	CRUISE ID
													SALT	_		FACE	<b>I</b>	DOWN		_	Local Date & Time	800.05	LONGITUDE			₽
	84	ナナ	46	54	44	43	42	4	40	\(\mathcal{O}\)	38	37	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	-	- C	DATE JD-		GLO	PRO.
	T	7	W	1	7)								CHL. Bot. no. C	ERS	FLUOR S/N	) I		 		<u> </u>	U L 0 4	L 0 4 6	5 3		GLOBEC/FOCI	PROJECT & LEG
													CHL. VOL.									20	TIME (GMT)			
				į									ia.									w N	DRY BULB WE			DSDB I.D.
																					3	-	WET BULB PRESSU	RE		
													COMMENTS									3//	* SEA ST/ * VISIBILIT			
																MAX.				REMARKS			SPO WIND  * CLOUD  * TYPE	(amt)	_	STATION DESIGNATION
																MAX. DEPTH =				RKS		140	* WEATH	ÉR		SIGNATION
																æ						3 E 4 X 1	STA. NAME/ID			

bucket	12	=======================================	10	9	80	7	6	55	4	3	2	1	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		10	CONSC CAST #	R/V Alpha Helix	VESSEL
	0	10	20	(J	3 0	000	10,0	150	200	300	HOO	500	DESIRED	DEPTH	NS ON	O SN	AP SN	PSN	ž 	•		1457		ha Helix	
													ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	Q.44 N 1475	UDE	HX287	CRUISE ID
												7	SALT	SAMPI			· I	_	I	JD	Local Date & Time	9.94	LONGITUDE		
	60	53	225	5	V 6	25	15	53	.52	7	50	49	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME		- 0 W	DATE JD-	<u>P</u>	7
	77	77	71	, T	11	١							CHL. Bot. no.	ABERS	FLUOR S/I				•		บ L 0 4	C 0 X	<u>;                                    </u>	GLOBEC/FOCI	באסמבניו מיננט
													, CHL. VOL.		_							/ N	~		
															•							/3./	DRY BULB		
									200				11										JLB		į
													8									(110)	SEA STATE		
								:					COMMENTS									290	WIND DIRN.		
																MAX. DEPTH =				REMARKS		S (1)	CLOUD (amt)	- - - -	,
																TH=				0,		49/12	- B		
																3						r E	STA. NAME/ID		

bucket	12	=	<del>1</del> 0	9	00	7	6	5	4	ω	2	_	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		0	CONSC CAST #	R/V Alp	VESSEL
	0	10	20	30	40	50	- 100	150	200	200	400	500	DESIRED	DEPTH	ND SN	NS OF	MP SN	₽ SN	<b>≅</b> 	I		9 DEG	┨_	R/V Alpha Helix	
													ROSETTE									9.22	LATITUDE		:
													ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	N 1 4 7 5	5	HX287	CRUISE ID
													SALT	SAMPL				- 	1	JD,	Local Date & Time	8 3 MW	LONGITUDE		
	72	17	70	129	68	67	66	65	64	63	62	(6)	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	#	DAY	DATE JD=	GLC	PRC
	TI	71	77	TI	T								CHL. Bot. no.	BERS	FLUOR S/N						U L 0 4	MO YR	-	GLOBEC/FOCI	PROJECT & LEG
													CHL. VOL.									S MN	님;;;		
		lea				leake																(°C)	DRY BULB	_	DSD8 I.D.
		ake				2																(°C)	LB L		,
													COM		i							mb) * * (	PRESSURE SEA STATE		
													COMMENTS									(deg) (m/s)			STAT
																MAX. DEPTH =		1		REMARKS		*	CLOUD (amt) TYPE	-	STATION DESIGNATION
																<b>4</b>						1840E	<del>- X</del>		ION
		:														а						4 X 3	STA. NAME/ID		

bucket	12	11	10	9	œ	7	6	ςs.	4	ω	2	-	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		0		CONSC CAST #	R/V Alpha Helix	VESSEL
,	8	10	29	30	40	SO	100	150	200	300	400	500	DESIRED	DEPTH	NS GN	D SN	AP SN	PSV	ž	}		0	DEG		ha Helix	
							Į.		į		i		ROSETTE									4.47	<u>S</u>	ATITUDE		
													ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	N 1475	DEG	£0	HX287	CRUISE ID
							\					\	SALT	SAMP			I	z 	I	JD	Local Date & Time	-9 -8	ME.	LONGITUDE		
	2	Si Si	22	8)	88	かか	Z	ナチ	4	7	7	73	NUTRIENTS	SAMPLE BOTTLE NUMBERS			:			JD/TIME	# 	7 w / O J		DATE JO=	<u></u>	PR
	77	77	77	77	21								CHL. Bot. no.	/IBERS	FLUOR S/N						U L 0 4	U L 0 4	MO YR		GLOBEC/FOCI	PROJECT & LEG
													CHL. VOL.									1303	FR MIN	TIME (GMT)		
								ę	Ž													2.9	(ီ)	DRY BULB	_	DSD8 LD.
	5					(		)		X				\								•	(°C)	WET BULB		9
	7	7			1		,	9		6			СОМ										(mb) * *	PRESSURE SEA STATE VISIBILITY	-	
		0	<b>&gt;</b>						{	>	>		COMMENTS									Co.	(deg) (m/s)	WIND WIND DIRN. SPD.		STAT
		+		>	,											MAX. DEPTH =				REMARKS		6 11	*	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
		5														II.						17226	(E)	BOTTOM DEPTH		NOI
																3						63 X Y		STA. NAME/ID		

Late of distance, Tomo of coyochocks

HX287		GLOBEC/FOCI	)BEC/FOCI		
				; ;)	SURE
LATITUDE   LON	GITUDE	DATE JO=		TIME (GMT)	DRY BULB WET BULB
DEG	MiN		MO YR	HR MIN	(C) (n
3.99N14Co	0.06	0	L 0 4	2020	14.8
Local D	ate & Time		U L 0 4		
TIMES	JD/	TIME		Clea	r water
DATA ON	l		 	C	current
START DOWN					
AT DEPTH	1		!	Dind to	redait
AT SURFACE				6	ommo on
PAR S/N			FLUOR S/N		
	SAMPLI	BOTTLE NUM	BERS		
ROSETTE POSITION	SALT	NUTRIENTS	CHI Rot no		
			0110	CHL VOL.	ē.
	Υ.	1 W		CHL. VOL.	· 1
		7 4 4		CHL VOL.	
		1 2 4 W		CHL VOL	- ~
		4 7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		CHL VOL	
		4 4 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		CHL VOL	
		2 4 6 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		CHL VOL	
		4 8 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		CHL VOL	
Che may				CHL VOL	
				CHL VOL	
				CHL VOL	
				CHL VOL	
				CHL VOL	
	CRUISE HX287 HX287 HX287 TIMES DATA ( START AT DEP AT SUR PAR PAR	HX287  LONGITUDE  DEG  MIN  DEG  MIN  LOCAL Date & 1  LOCAL DA	HX287  LONGITUDE  DEG  MIN  PAT START DOWN  AT SURFACE  PAR S/N  SAL	LONGITUDE DATE JD=  LONGITUDE DATE JD=  DEG MIN DAY MO YR  LOCAL DATE & TIMES  DATA ON  START DOWN  AT DEPTH  AT SURFACE  PAR S/N  SAMPLE BOTTLE NUMBERS	LONGITUDE DATE JD=  TIME (Gh DEG M/N DAY MO YR HR N 1 AC DATA ON  START DOWN  AT SURFACE  PAR S/N  SAMPLE BOTTLE NUMBERS

bucket	12	-	:	10	9	8	7	6	5	4	ω	2	<b>-</b>	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		01	CONSC CAST #	R/V Alc	VESSEL
	0	) (i	16	36	40	50	100	150	200	250	400	1000	1500	DESIRED	FIRED DEPTH	ND SN	NS CB	MP SN	₱SV 	¥ 	I		7 /	DEG	R/V Alpha Helix	•
										256	400	1000	7841/	ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	. 98 N/	MIN DEG LO	HX287	CRUISE ID
											<del></del>			SALT					- 	1	JD,	Local Date & Time	1.43	LONGITUDE MIN		
														NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	4	_	DATE JD=	<u>                                      </u>	780
														CHL. Bot. no.	BERS	FLUOR S/N			<u> </u>			U F 0 4	L 0 4	MO T	GLOBEC/FOCI	ראטשבטו מי בפט
														CHL VOL									k 1	TIME (GMT)		
										22				COMMENTS								172	7 . 0 72.	ORY BULB WET BULB  (°C) (mb) PRESSURE  * SEA STATE  * VISIBILITY  (dea)		0000 10.
																	MAX. DEPTH = m				REMARKS	2	38723	WIND OUD (and the spo. CLOUD (and the spo. CLO	nt)	

	bucket	12	=	10	9	8	7	თ	5	4	ω	2	-	SEQ. [	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		0-1		CAST #			R/V Alpha Helix	VESSEL
		0	0	30	40	53	100	150	200	250	400	1000	1500	DESIRED	DEPTH	NS C	Σχ. I	NS	N N	- 	1		757,	DEG	-			Helix	
Cow	~	7				35.7					:			ROSETTE POSITION									13.93 <sub>N</sub>	<u>M</u>	LATITUDE				
Cava va al lasc	-	2	17		10	かばん	<b>~</b> ∖₁	7	S	<i>\\</i> -	2	W	1+2	OSITION	,	L PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Loca	146	DEG				HX287	CRUISE ID
+										,				SALT	SAMPL		m	ļ	<u>\$</u>	1	'QL	Local Date & Time	22.83W	MN	LONGITUDE				
mojgard		108	F 107	101 7	F 105		1.01	102	162	101	100	99	97.	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME		-	DAY	DATE JD=			o :	P
5		В	13		70			,,	2	7.		= 0	99	CHL. Bot. no. CHL. VOL.	MBERS	FLUOR S/N						U L 0 4	J U L 0 4	MO YR	)		1	GLOBEC/FOCI	PROJECT & LEG
most														CHL VOL									\	됐	TIME (GMT)	0135			
																							14.9	(2)	DRY BULB				DSD8 I.D.
										2	100	6	Conhe										-	(°C)	WET BULB			•	.D.
									1	17/24	1230	col To	boon										2	(mb) * *	SEA	STATE BILITY	<u> </u>		
			:							1000	927	1101	Save	COMMENTS									7354	(deg)	DIRN.				
										mal.	100	MILT	exally.				MAX				REM		00 SZ	(m/s) * *		UD (ar	nt)		STATION DESIGNATION
									-	T	72	9	MA				MAX. DEPTH =				REMARKS		4 7 4 ¢	*	$\overline{}$	THER	_		SIGNATION
		:								150	Nor	TW.											P 9	13	DEPTH ST	HOPH HOPH	:		
										۵	HOI						3						E403	-	STA. NAME/ID				

communication problem at appear to mark, second did

bucket	12	1	10	9	8	7	6	5	4	ω	2	_	SEQ.	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		3 1 2		CONSC CAST #	R/V Alpha Helix	VESSEL
	Q	101	26	404	50	100-	1501	200-	250	4000	10001	1500-	DESIRED	DEPTH	D SN	NS (	P SN	SN	_			7	DEG M	_	a Helix	
		·	Ì				,	`					ROSETTE POSITION									98	MIN	LATITUDE		
	って	7	2	7	T								POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	0	DEG	LO	HX287	CRUISE ID
					,								SALT	SAMPI				_		۵Ľ	Local Date & Time	34.50	MIN	LONGITUDE		
	120	119	2//	117	11/6	t	114	113	1/2	111	110	109	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	II	٤	DAY	DATE JD=	<u>G</u>	PR
	f												CHL. Bot. no.	MBERS	FLUOR S/N						U L 0 4	L 0 4	MO YR	•	GLOBEC/FOCI	PROJECT & LEG
													CHL, VOL.								, ·		HR MIN	45/ TIME (GMT)		
						Serie																14.6	(°C)	DRY BULB	_	DSDB i.D.
			:			nono 1		į														Н	(°C) (	WET BULB		٩
						cake -							COM									1371	(mb) * *	PRESSURE SEA STATE VISIBILITY		
						Sam							COMMENTS	!							1	0	L	WIND WIND DIRN. SPD.		STAT
						she n										MAX. DEPTH =				REMARKS		87 2	* *	CLOUD (amt) TYPE WEATHER	1	STATION DESIGNATION
						otto										B						4/70	(m)	ндер воттом ФЕЛН		NOI
						ken										m						E404		STA. NAME/ID		

bucket	12	=	10	9	œ	7	6	ر.	4	ω	2	_	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		4 9		CONSC CAST #	R/V Alı	VESSEL
	0	10	10	OH	50.	100	150	200	250	400	1000	1500-	DESIRED	FIRED DEPTH	ND SN	NS Q	MP SN	P SN	¥ 			571	DEG	_	R/V Alpha Helix	•
										`			ROSETTE									. 98	MIN	LATITUDE		
													ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Loca	10	DEG	5	HX287	CRUISE (D
													SALT				1	Z	1	<u>-</u>	Local Date & Time	45.80	NE.	LONGITUDE		
	F 132	R 131	F 130	F /29	128	127	126	125	,24	123	122	121	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	1	¥	DAY	DATE JD=	ള	PR
	<u>,                                     </u>										,		CHL. Bot. no.	MBERS	FLUOR S/I						U L 0 4	U L 0 4	MO YR	1 11	GLOBEC/FOCI	PROJECT & LEG
- 20													CHL, VOL									A	HR ME	TIME (GMT)		
											:											14.9	(°C)	DRY BULB		DSDB I.D.
						C			**************************************													•	(°C)	WET BULB		p.
													СОМ										(mb) * *	PRESSURE SEA STATE VISIBILITY		
9													COMMENTS									[ D		WIND WIND DIRN, SPD.	  -	STA
																MAX. DEPTH =				REMARKS		/ 2	s) * *	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
		:											:			B							(m)	¥29 <b>⊋</b> вогтом рертн		TION
																3						e4 <del>4</del> 5		STA. NAME/ID		

Т		I			_	Т					Ι	90	(0		SE	ァ	SE.	₽	무	SE SE		0	Г	lo -	콘	<u> </u>
	12ر	=	ō	9	∞	7	ത	S	4	ω	2 '	-	SEQ.	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		120		CONSC CAST #	R/V Alpha Helix	VESSEL
	0	10	20	40	20	100	150	200	250	400	1000	1500	DESIRED	DEPTH	D SN	NS (	PSN	NS.	_	1			DEG		a Helix	
											(15											13.	MIN	LATITUDE		
											1500 m	bothe 2?	ROSETTE POSITION									9 8 N				
													SITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Loc	1465	DEG		HX287	CRUISE ID
												7	SALT			Ж		NZ.			Local Date & Time	· 1	N N	LONGITUDE		
	7	1	7)	77	,							\		SAMPLE B						JD/TIME	ime =	20 W				
	144	143	142	141	140	139	138	137	134	135	134	133	NUTRIENTS	SAMPLE BOTTLE NUMBERS						m	٦	  L	DAY	DATE JD=	ନ	PR
													CHL. Bot. no.	MBERS	FLUOR S/N						U L O	с г о	ŏ		GLOBEC/FOCI	PROJECT & LEG
													. no. CHL. VOL		R S/N						4	4 0 9	YR HR	TIME		EG
													VOL									1	<u>s</u>	TIME (GMT)		
						le			leake	/	6	) ao									^	5	(°C)	DRY BULB	_	DSDB LD.
						alca			۱, کم	/ 4		gave s	~									_	(°C)	WET BULB		Б,
						{ ~		_/	4	j	hose	RYYOY										-	3	PRESSURE		
			(					9	M	)(d	S.	ωĺ	0									2	*	SEA STATE VISIBILITY		
				From	Sam	P	عمران ودي	765	eistoa	500	Says	when	COMMENTS									0 0 3	(deg)	WIND DIRN.		
				(_	ballon	2	2		Sel	fire	botte	tried										3		WIND SPD.		STATI
				0948		Tired	1	Ş	81311	l '	6	′				MAX. [		<u> </u>		REMARKS			*	CLOUD (amt) TYPE		ON DES
				İ	ついけ		poot	CONVE	ľ _	a 1	2 24	મ વ				MAX. DEPTH =				RS.		24	*	WEATHER		STATION DESIGNATION
				00H	Jutrica	at 1	(	- - - - -	Salo	204	fired o	fre t										4407	(m)	ВОТТОМ DEPTH		۷
				6	E	1005	bo Hee	1	proceed	lo al	at 1:	Do Ha				3						4		STA. NAME/ID		
						M	ما			+	1500 M	-										06		NME/ID		

PG OF OF OF

bucket	12	=	<b>1</b> 0	9	œ	7	စ	5	4	ω	2		SEQ.	FIRED	SEC CC	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		02		CONSC CAST #	R/V AI	VESSEL
	Ō.	10	20	40	50	100	150	200	250	400	1000	1500	DESIRED	FIRED DEPTH	SEC COND SN	ND SN	MP SN	NS de	NS 			1571	DEG	-	R/V Alpha Helix	_
													ROSETTE									3.98 N	M.	LATITUDE		
													ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	47	DEG	5	HX287	CRUISE ID
													SALT	SAMPL				_		JD,	Local Date & Time	08.62	X.	LONGITUDE		
	156	155	154	153	152	151	150	149	148	147	146	145	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	fl tun	w   L	DAY	DATE JO=	GL(	PR(
	7	7	77										CHL. Bot. no.	BERS	FLUOR S/N				İ		U L 0 4	U L 0 4	MO YR		GLOBEC/FOCI	PROJECT & LEG
													CHL VOL								, a 1	1214	HR MIN	TIME (GMT)		
																						4.8	(°C)	DRY BULB		DSDB I.D.
									**														(°C)	WET BULB		,
													COM									2	(dm)	PRESSURE SEA STATE VISIBILITY		
	:												COMMENTS									283 6	(deg) (m/s)	WIND WIND SPD.		STAT
																MAX, DEPTH =				REMARKS		, 24	*	CLOUD (amt) TYPE WEATHER	1	STATION DESIGNATION
				***************************************												H						S16E	3	BOTTOM DEPTH		ON
																3						七0十	1	STA. NAME/ID		

1000	bucket	12	11	10	و	8	7	თ	Cr.	4	ω	2	-	SEQ.	FIRED	SEC COND SN	PRI COND SN	PKI LEMP SN	PRESS SN	SBE 9+		0225	CONSC CAST #	VV Alpi	VESSEL
		0	10	20	U) O	40	50	100	150	200	250	400	1000	DESIRED	FIRED DEPTH	AD SN	D SN	N N		1	:	7 6		R/V Alpha Hefix	
					2									ROSETTE POSITION								3 · · · · · · · · · · · · · · · · · · ·	LATITUDE		
														DSITION		PAR S/N	AT DEPTH AT SURFACE	START DOWN	DATA ON	TIMES	Local Da	1 4 7 2		HX287	כאסטרוט
														SALT	SAMPLE					JD/TIME	Local Date & Time =	. MN	LONGITUDE		
			167	166	165		163	162	161	160	159	1881	157	NUTRIENTS	SAMPLE BOTTLE NUMBERS					ME	u L	U L MO	þ	GLOE	
		1)	17	7	1)	T							<u>.</u>	CHL. Bot. no. (	ERS	FLUOR S/N	)	1	, 		J L 0 4	0 3		GLOBEC/FOCI	
														CHL. VOL.							-	\(\frac{1}{2}\)	(GMT)		
					!							/	Botte									4.8	<u> </u>	  -	
													2000									. (mo)	8		
													( day	COMMENTS								2	SEA STATE VISIBILITY	-	
													Time.	NTS								1703	WIND SPD.		
				į									at 15				MAX. DEPTH =			REMARKS		4 + 63	TYPE WEATHER	-	
												-33	(500)				_					615	1 5		
	_																<b>3</b>					408	STA. NAME/ID		

	bucket	12	=	10	9	8	7	6	(J	4	ω	2	-	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		02	9	CAST #	R/V Al	VESSEL
		0	10	20	ah	29	100	150	200	250	400	1000	1500	DESIRED	DEPTH	ND SN	₩ 	MP SN	IP SN	¥ 			3571			R/V Alpha Helix	
														ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	3.96 N 14 73	DEC.		HX287	CRUISE ID
*2													7	SALT	SAMP			! !	_	1	JC	Local Date & Time	- M	CONGLICUE			
		180	179	178	177	176	17%	174	173	172	4	170	169	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME		W	200		ല	PR
		7	77	7)	7\	IJ								CHL. Bot. no.	MBERS	FLUOR S/N						U L 0 4	0 4	5		GLOBEC/FOCI	PROJECT & LEG
														CHL, VOL.									7720	LID CHILL	TIME (GMT)		
																							13.6	(%)	DRY RIJI R		DSDB I.D.
										es.				## T										_ L	WET BIN B		D.
														ÇQ									8	*  S	PRESSURE SEA STATE //SIBILITY		
														COMMENTS									22010	L	WIND WIND SPD		STA
				R													MAX. DEPTH ==				REMARKS		872472	* C	CLOUD (amt) TYPE VEATHER DEFINITION		STATION DESIGNATION
																	Э						3E409	+	STA. NAME/ID		

bucket	12	=	10	9	ထ	7	6	σ	4	ω	2	_	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		02		CONSC CAST #	R/V Alpha Helix	VESSEL
	0	) 0,	20	40	507	1001	150	200	250	400	000	1500	DESIRED	FIRED DEPTH	ND SN	ID SN	WP SN	IP SN	<u> </u>	1		45713	DEG		ha Helix	
			`										ROSETTE POSITION									3.99 N	MZ.	LATITUDE	a.	
								:		-			POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	11474	DEG	LOI	HX287	CRUISE IÐ
													SALT	SAMPL				<u>-</u>	1	/ar	Local Date & Time	2.99	M	LONGITUDE		
	192	191	190	189	138	121	186	581	12/2	183	182	181	NUTRIENTS	SAMPLE BOTTLE NUMBERS		,				JD/TIME	H	w 1 1 J	DAY	DATE JD=	GLC	PRC
	CT	7	77	TI									CHL. Bot. no.	BERS	FLUOR S/N						U L 0 4	U L 0 4	MO YR		GLOBEC/FOCI	PROJECT & LEG
													CHL. VOL.								-1	1930	HR MIN	TIME (GMT)		
																		ñ				14	(°C)	DRY BULB		DSDB I.D.
									£														(°C)	WET BULB		
		i											COM	×								12	(mb) * *	PRESSURE SEA STATE VISIBILITY		
													COMMENTS			33		100				0791	(deg) (m/s)	WIND WIND DIRN. SPD.		STA
																MAX. DEPTH =	<u>                                       </u>	1		REMARKS		18724	*	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
																<b>"</b>						818	(E)	BOTTOM DEPTH ST		ž
																3						0 -		STA. NAME/ID		

12	=	10	9	8	7	6	5	4	ω	2		SEQ.	FIRED	SEC CO	PRI CON	SEC TEN	PRI TEM	PRESS SN	SBE 9+		7	CONSC CAST #	R/V Alp	VESSEL
0	10 -	20 +	304	504	100 -	1504	200-	250	400	1	10051	DESIRED	DEPTH	ND SN	ID SN	AP SN	P SN	ž	1		57/	7.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5	ha Helix	
												ROSETTE PO			A		S				D	TTUDE.		0
					-							SITION		PAR S/N	T SURFACE	T DEPTH	TART DOWN	ATA ON	IMES	Local Da	1475		X287	CRUISE ID
										1		SALT	SAMPLI						JD/	ate & Time	200	ATTUDE		
r 204		102	F 201	F 200	199	198	197	196	195	194	193	NUTRIENTS	BOTTLE NUM						TIME	=   _		DATE JD-	GLO	PRC
;												CHL. Bot. no.	BERS	FLUOR S/N						U L 0 4	-	<u></u>	DBEC/FOCI	PROJECT & LEG
												CHL VOL								-	· ·			
,														: :							16.	DRY BULB		DSDB I.D.
								.01				15									Н	E E		.D.
												co				¥						* SEA STATE		
												MMENTS		į							1711	WIND DIRN.		SI
				g.e											MAX. DEF	<u> </u>			REMARK			* CLOUD (amt * TYPE	) 	STATION DESIGNATION
								:							■ HJ,				S			1		IATION
															3						1 1 1 2	<del>- </del>	†	
	0		01	201	30 L	108 L 20 L 10 L	108 L 50 L 20 L	2001 1081 201 201 701	250- 260- 197 198 198 199 50 L 50 L 199 6 201 7 201 6 203	100 195 250 197 260 197 108 199 50 1 199 50 1 199 6 200 7 201	10802 194 4002 194 2502 197 2604 197 1084 199 1084 199 1084 199 1084 199 1084 199 1084 199 1084 199	1500. 1080. 1080. 108	DESIRED   ROSETTE POSITION   SALT   NUTRIENTS   CHL Bot. no.   CHL VOL.	SAMPLE BOTTLE NUMBERS    193	OND SN         PAR S/N         SAMPLE BOTTLE NUMBERS           DESIRED         ROSETTE POSITION         SALT         NUTRIENTS         CHL. Bot. no. CHL. VOL.           15700         193         194         195           1080         195         194         195           1080         197         197         198           1080         198         198         198           1080         198         199         198           1080         198         199         199           1080         198         198         198           1080         198         198         198           1080         198         198         198           1080         198         198         198           1080         198         198         198           1080         198         198         198           1080         198         198         198           1080         198         198         198           1080         198         198         198           1080         198         198         198           1080         198         198         198	AT SURFACE    PAR S/N	AT DEPTH  AT SURFACE    PAR S/M   SAMPLE BOTTLE NUMBERS	START DOWN   AT DEPTH   MAX.	DATA ON   START DOWN   AT DEPTH   MAX. DEP	THES JOTINE REMARKS  P SN START DOWN  P SN AT SERRACE  DEFIN DESTREE  DESTR	TIMES   DOTINE	S	Construct	An Heist   Incast
	bucket	12	1	10	9	8	7	6	رم د	4	ω	2	-	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		4	CASI
---	--------	-----	-------	------	-------	-----	-----	-----	---------	-----	------	------	------	------------------	-----------------------	-------------	--------------	-------------	-------------	----------	---------	-------------------	---------	---------------
		0	0	200	300	50.	00	150	204.	250	Hoal	1000	1500	DESIRED	DEPTH	ND SN	ID SN	AP SN	P SN	ž			~	DEG
														ROSETTE POSITION									4.41 N	MIN
														OSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local D	_	DEG
5														SALT	SAMPI			1			6	Local Date & Time	5.57	MIN
		216	215 €	2144	2/3 €	212	211	2/8	208	208	207	206	205	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	II	w 1 2 J	DATE JO=
														CHL. Bot. no.	IBERS	FLUOR S/N						U L 0 4	U L 0 4	MO YR
														CHL. VOL.									1	HR MIN
																							151.11	(°C)
														25.									•	(°C)
														COI									1918	* s
										:				COMMENTS									$\sim$	
																	MAX. DEPTH =				REMARKS		8361	* C
																	H.H.				•		49020	
																	3						20412	STA. INAME/ID

bucket	12	=	10	9	8	7	თ	5	4	ω	2	-	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		22		CONSC CAST #	R/V Al	VESSEL
	a	10 +	20 -	30-	105	1001	150	2000	250	4004	1000	1500	DESIRED	FIRED DEPTH	ND SN	ND SN	MP SN	AP SN	SN 			757	DEG N	_	R/V Alpha Helix	•
		,		\			\				<b>`</b> 		ROSETTE POSITION									z	MZ	14, 02 ATITUDE		
													OSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local Da	1811	DEG	LONG	HX287	CRUISE ID
										1			SALT	SAMPL					l	'n	Local Date & Time	7	ME.	LONGITUDE 34		
	228	227	226	225	224	223	777	22/	220	2/9	2/8	2/7	NUTRIENTS	E BOTTLE NUN						JD/TIME	<u>=</u> / / J	w / 2 J	DAY	DATE JD=	EL.	PR
		+	4	4									CHL. Bot. no.	SAMPLE BOTTLE NUMBERS	FLUOR S/1						U	U L 0 4	MO YR		GLOBEC/FOC!	PROJECT & LEG
													CHL. VOL.						-		\$ # 3 ¢	0245	HR MIN	TIME (GMT)		
		Pe					0,0															15.3	(°C)	DRY BULB		DSDB I.D.
		KRY					Z+		30													•	(°C)	WET BULB		Þ.
						,	(Jan)						00									1918	(mb) * *	PRESSURE SEA STATE VISIBILITY		
							not c						COMMENTS									8291	(deg) (m	WIND W	-	ST
							hopen		i							MAX. DEPTH =				REMARKS		4261	(m/s) * * *	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
							at bat									- HT				<i>57</i>		4937	(B)	ВОТТОМ		ATION
							battom									3						E41		STA. NAME/ID		

fun state

C/FOCI  C/FOCI  TIME (GMT)  YR HR MIN  L 0 4 4 4 4 9  L 0 4 5 4 4 9  L 0 4 5 7 10  RLUOR S/N  RLUOR	ID   PROJECT & LEG   GLOBEC/FOCI
TIME (GMT)  HR MIN  CHL VOL	TIME (GMT) DRY BULB WET BULB WET BULB WET SURE  CHL VOL  CHL VOL  CHL VOL  CO  CO  CO  CHL VOL  CO  CO  CO  CO  CHL VOL  CO  CO  CO  CO  CO  CO  CO  CO  CO
TIME (GMT)  HR MIN  CHL VOL	TIME (GMT) DRY BULB WET BULB WET BULB WET SURE  CHL VOL  CHL VOL  CHL VOL  COL  CHL VOL  COL  CHL VOL
	WET BUT BUT TO THE SEA STATE  OP * VISIBILITY

4

	bucket	12	=	5	g	ω	7	6	5	4	ω	2	-	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		029		CONSC	R/V Alpha Helix	VESSEL
		0	10	at	700	50	1000	150-	200	250-	400	1000	1500	DESIRED	DEPTH	NS OF	D SN	IP SN	NS -	Z			571	DEG		na Helix	
			į											ROSET									3.98	MIN	LATITUDE		
														ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	L	2	DEG		HX287	CRUISE ID
														SALT			ACE	Ĭ	NWO	-		Local Date & Time	<i>4</i> 5.	MIN	LONGITUDE		0
EX.											. \	2	Z)		SAMPLE BO						JD/TIME	īme =	27 w				
	_	+ 45t	251 +	250 €	249 F	248	247	246	245	24	243	242	241	NUTRIENTS C	TTLE NUMBE		]					r L	/210	DAY MO	DATE JD=	GLOB	PROJE
														CHL. Bot. no.	SAMPLE BOTTLE NUMBERS	FLUOR S/N			_			다 0 4	L 0 4	) YR		GLOBEC/FOCI	PROJECT & LEG
														CHL, VOL.									2	HR MIN	TIME (GMT)		
																							14.		DRY BULB	_	DSI
										0.				7			:						1	Н	B WET BULB		DSDB I.D.
													!										-0		PRESSURE		
														COMMENTS									77	*	SEA STATE  VISIBILITY  □ ≤		
														пs									ĽΛ.		WIND WIND DIRN. SPD.		STAT
																	MAX. DEPTH =				REMARKS			*	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
																	# #						45 3	(m)	ВОТТОМ ДЕРТН		TION
																	3						1 eu		STA. NAME/ID		
																							- 5		ME/ID		

bucket	12	<b>:</b>	10	9	ω	7	6	ç	4	ω	2	_	SEQ.	FIRED	SEC CC	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		030		CONSC CAST #	R/V AI	VESSEL
	0	10	20	30	So	100	150	200	250	400	1000	1500	DESIRED	FIREO DEPTH	SEC COND SN	ND SN	MP SN	NP SN	SN	, 		571	DEG		R/V Alpha Helix	
							!		:				ROSETTE									3.98	MIN	LATITUDE		
		:											ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	N 1 485	DEG	5	нх287	CRUISE ID
												7	SALT	SAMP			1	Z	l	'n	Local Date & Time	-67	MZ.	LONGITUDE		
	26	263	202	261	260	259	358	257	256	255	254	253	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	11	¥ 2) _	DAY	DATE JD=	<u></u>	PR
	R	77	N	11									CHL. Bot. no.	VIBERS	FLUOR S/N						U L 0 4	U P 0	MO YR		GLOBEC/FOCI	PROJECT & LEG
													CHL, VOL,		4						11	D950	HR MIN	TIME (GMT)		
											:											4.4	(°C)	DRY BULB	_	DSD8 I.D.
									10													•	(°C)	WET BULB		D.
													СОМ									0	(mb) * *	PRESSURE SEA STATE VISIBILITY		
												1	COMMENTS						4			21806	(deg) (m/s)	WIND WIND DIRN. SPD.		STA
											ī					MAX. DEPTH =			- 111	REMARKS			*	CLOUD (amt) TYPE WEATHER	- - - - -	STATION DESIGNATION
																-						4199E	(m)	ВОТТОМ		ION
																3						E416		STA. NAME/ID		

	bucket	12	=	10	9	œ	7	ნ	s	4	ω	2		SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		03		CONSC CAST #	R/V Alp	VESSEL
		0	10	20	30	50	100	150	200	250	400	1000	1500	DESIRED	FIRED DEPTH	ND SN	ID SN	MP SN	P SN	SX 			7	DEG	_	R/V Alpha Hefix	
					:									ROSETTE POSITION			AT :	AT I	STA	DAT	TIMES		3 · 9 · 8 · 8		LATITUDE	HX287	CRU
								<u>-</u>								PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON		Local Date & Time	4903	DEG	LONGITUDE	87	CRUISE ID
4.			:											SALT	SAMPLE						JD/TIME		 (3)	M.	-10E		
		276	275	274	273	272	271	270	269	268	267	266	265	NUTRIENTS	SAMPLE BOTTLE NUMBERS						IME		w / 2 j	DAY	DATE JD=	<u>e</u>	PRO
		N	T	77	77									CHL. Bot. no	IBERS	FLUOR S/N						U L 0 4	U [ 0 4	MO YR		GLOBEC/FOCI	PROJECT & LEG
														CHL VOL		2						-	1218	HR MIN	TIME (GMT)		
																<u> </u>							4	(°C)	DRY BULB		DSD8 I.D.
										81				iii			!						1	ී	WET BULB		i.D.
ľ	=		v														A						19	(mb) +	PRESSURE SEA STATE		
								22						COMMENTS		:							229	* (deg)	VISIBILITY  DIRN.		
																	MAX				REP		0	*	S No CLOUD (amt)		STATION D
																	MAX. DEPTH =				REMARKS		1 35	*	TYPE WEATHER		STATION DESIGNATION
																							522E	╀	воттом ст		
														:			m						4-17		STA. NAME/ID		

bucket	12	<b>=</b>	10	9	œ	7	6	ъ	4	ω	2	-	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		co		CONSC CAST #	R/V Alc	VESSEL
	0	0 }	20	<i>S</i>	50	100	150	200	250	400	1015	1500	DESIRED	FIRED DEPTH	ND SN	NS ON	MP SN	IP SN	SS			4	DEG		R/V Alpha Helix	•
													ROSETTI									. 97	MIN	LATITUDE		
													ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Loca	N   나 	DEG		HX287	CRUISE ID
												5	SALT	SAM		m		ž	ı	_	Local Date & Time	4	MIZ	LONGITUDE		
	288	287	286	285	284	283	282	281	280	279	278	277	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	H _	\$	DAY	DATE JD=	6	P
		-11	71	T									CHL. Bot. no.	MBERS	FLUOR S/N						U L 0 4	U L	MO YR	Ĭ	GLOBEC/FOCI	PROJECT & LEG
													CHL. VOL.		Z						-	4	HR MIN	TIME (GMT)		
	BUC																					- 나 - 구	(°C)	DRY BULB		DSDB i.D.
	Bucket								*17														(°C)	WET BULB		Þ
													CO									197	(mb) * *	PRESSURE SEA STATE VISIBILITY		
	·												COMMENTS									Ľ	(deg) (m/s)	WIND WIND DIRN. SPD.		ST/
																MAX. DEPTH =				REMARKS		5	/s)  *  *  *	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
																T =				-		3140	(m)	BOTTOM		ATION
																æ						E418		STA, NAME/ID		

bucket	12	11	10	9	∞	7	6	5	4	ω	2		SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		o U		CONSC CAST #	R/V Alp	VESSEL
	0	20	O M	40	50	100	150	200	250	COA	1000	1500	DESIRED	FIRED DEPTH	ND SN	NS OF	MP SN	® SN 	SS	1		11 + 5 8	DEG		R/V Alpha Helix	•
													ROSETTE									3.99 N	MIZ	LATITUDE		
									:				ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	149	DEG	5	HX287	CRUISE ID
													SALT	SAMPL			ı	- 	1	JD	Local Date & Time	25.99	MIN	LONGITUDE		
	300	299	298	297	296	295	294	293	292	291	290	2239	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	ll Con	w / 2 J	DAY	DATE JD=	GL	PR
	77	T	-17	T	13								CHL. Bot. no. CHL. VOL.	BERS	FLUOR S/N						U L 0 4	U L 0 4	MO		GLOBEC/FOCI	PROJECT & LEG
													CHL. VOL.									109	HR MIN	TIME (GMT)		
		lake												:					:			13.11	(°C)	DRY BULB		DSDB I.D.
		2							10				60						:			•	(°C)	WET BULB		D.
									:				СОМ									207	(mb) * *	PRESSURE SEA STATE VISIBILITY		
													COMMENTS		! ! !					:		181181	(deg) (m/s)	WIND WIND DIRN. SPD.		STA
																MAX. DEPTH =				REMARKS		8 11289	s) * * * (m)	CLOUD (amt) TYPE WEATHER DEPTION		STATION DESIGNATION
																3						61130		OM STA. NAME/ID		

bucket	12	11	<b>7</b>	9	∞	7	6	S	4	ω	2	_	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		480		CONSC CAST #	R/V Alpha Helix	VESSEL
	0	بر 0	$\omega$	40	20	100	150	200	250	400	1000	1500	DESIRED	FIRED DEPTH	VID SN	D SN	AP SN	PSN	ž			125	DEG		ha Helix	
													ROSETT	:								94	M	LATITUDE		
													ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Loc	-01	DEG		HX287	CRUISE ID
												1	SALT	SAM		Μ	. 1	N.	ı		Local Date & Time	1	MIN	LONGITUDE		
	312	311	310	309	308	4	306	305	304	303	302	301	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME		╅┷╼┉┥	DAY	DATE JI		٠
	7	71	7	7	T								CHL. Bot. no.	JMBERS	FLUOR S/N						J U L 0 4	1	MO YR	JD=	GLOBEC/FOCI	PROJECT & LEG
	<u> </u>												D. CHL. VOL.		Z					×		- 0	HR MIN	TIME (GMT)		
											111											- \	(°C)	DRY BULB		DSDB i.D.
									-							25						-	(°C)	WET BULB		lD.
								:					8				/	:				20 7	(mb) * *	PRESSURE SEA STATE VISIBILITY		
110										10			COMMENTS									1		WIND WI		ST.
								,								MAX. DEPTH ₩				REMARKS		1 7871	(m/s) * * *	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
																II.				•		26266	(m)	ВОТТОМ ОЕРТН		ATION
																Э						E420		STA, NAME/ID		

bucket	12	==	10	9	œ	7	6	υ	4	ω	2	1 /	SEQ. DI	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		035		CONSC CAST #	R/V Alpha Helix	VESSEL
	0	10	202	W W	50.	100	1501	200,	250	400	000	1500	DESIRED	EPTH	NS	SN	NS	ž ,	<u>!</u>			1.6	DEG	ū.	Helix	
		١					\		\	`			ROSETT									4.29 N	MIN	LATITUDE		
							:						ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	5	4 1	DEG		HX287	CRUISE ID
	1	,											SALT	S		ĆĒ	_	NWC	_		Local Date & Time	14949.1	MIN	LONGTUBE 92		
	324	323	322	321	320	ري ا	S [⊗	317	3/6	315	314	313	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME		/ w		72 DATE		
	ケート	13 E	ナイ	十	8	-0	∞	4.	6		÷	W	VTS CHL. Bot. no.	E NUMBERS	FLUOR S/N						2 J U L	ט ר	Y MO		GLOBEC/FOCI	PROJECT & LEG
													ot. no. CHL VOL		OR S/N						0 4	2	YR HR		Ö	LEG
	·												/OL									/				
									10				ie.											DRY BULB WE		DSDB I.D.
																						Z	<u>-</u>	WET BULB		
													COMMENTS									1221	*	SEA STATE VISIBILITY		
													SIL											WIND WIND DIRN. SPD.		STAT
																мах. рертн =				REMARKS		862	16-	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
															:	i i						5	(m)	ВОТТОМ DEPTH		TION
																3						E421		STA. NAME/ID		

	bucket	12	11	10	9	8 10	7 26.	6 30.	5 400	4 50	3 75	2 100	1 3070	SEQ. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		P36575	DEG	CONSC CAST #	R/V Alpha Helix	VESSEL
					1		1	1						ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES		4.08N/50	MIN DEG	LATITUDE	HX287	CRUISE ID
80					+		7	*						SALT	SAMPLE E		ACE	로   	NWO		JD/TIME	Local Date & Time =	16.00 W	MIN	LONGITUDE		D
								13						NUTRIENTS CHL. Bot. no.	SAMPLE BOTTLE NUMBERS	FLUOR S/N					¥.	J U L O	13 1010	DAY MO YR	DATE JD=	GLOBEC/FOCI	PROJECT & LEG
							4							10. CHL, VOL.		S/N						4	4011313	HR MIN	TIME (GMT) DRY		5,
							hoowy lea			0				==									81.1/1	(°C) (°C)	DRY BULB WET BULB		DSDB I.D.
				:			Ker		2					COMMENTS									ر ب	*	PRESSURE SEA STATE VISIBILITY DR & NO	- - - -	
м														TS			MAX. DEPTH ==				REMARKS		8911872 13	(m/s) * * *	SPD. WIND CLOUD (amt.) TYPE WEATHER DEPTH DEPTH		STATION DESIGNATION
																	m						38 5789	(m)	TOM STA. NAME/ID		

\*

bucket	12	=	<del>-</del> 0	9	œ	7	თ	s	4.	ω	2	-	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		48.8		CONSC CAST #	R/V Alp	VESSEL
		0	10 0	200	30 -	404	50-	750	1000	125	150,	BOT.	DESIRED	FIRED DEPTH	ND SN	ID SN	MP SN	IP SN	ž	I		574	DEG		R/V Alpha Helix	
					1				\	\			ROSET									6.83	SE SE	LATITUDE		
													ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES		N / 5	DEG		HX287	CRUISE ID
				2									SALT	S		ACE	Ξ	OWN	-		Local Date & Time	009.	MZ.	LONGITUDE		
		€ 343	F 342	241 434	2 40 € 3 <sup>1</sup>	₹ 339	3	737	736	335	334	22	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	me =	/ 7 w   1	DAY	DAT	-	
		3	2		6	39	822	57	8	ς <sub>\</sub>	4	3	ПS CHL. Bot. no.	E NUMBERS	FLU						J U L	ري _ _ _ _	MO	DATE JD=	GLOBEC/FOCI	PROJECT & LEG
													ot. no. CHL VOL		FLUOR S/N				<u> </u>		0 4	0 4 0 3	YR HR	TIME (GMT)	ŭ	LEG
	:												.P								·	0912	MIN			
									- 10													2	C	DRY BULB WET		DSDB LD.
																						. 19	(°C) (mb)	WET BULB PRESSURE		
													COMMENTS									4	*	SEA STATE VISIBILITY		٠
													ALS.									6517	(deg) (m/s)	WIND WIND DIRN. SPD.		STATIC
																MAX. DEPTH =				REMARKS		2 +8	*	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
																4						18/	(m)	BOTTOM		ON
																В						5+68		STA. NAME/ID		

9 30 357 10 20 357 11 10 357	20.	30		8 40 357	7 50.	6 75	348	4 125: 347	3 150 -	2 175	1 Bot - 243 / 244	SEQ. DESIRED ROSETTE POSITION SALT NUTRIENTS		ND SN PAR S/N	PRI COND SN AT SURFACE	SZ.	PRESS SN DATA ON	SBE 9+ TIMES JD/TIME	Local Date & Time =	0385750.04N15004.99W13	LATITUDE LONGITUDE DATE	R/V Alpha Helix HX287	VESSEL CRUISE ID	
	1	3 4	2 6	1	*							TS CHL. Bot. no. CHL. VOL.	SAMPLE BOTTLE NUMBERS	FLUOR S/N					J U L 0 4	MO YR HR MIN	JD. TIME (GMT)	GLOBEC/FOCI	PROJECT & LEG	
								2)				COMMENTS								(°C) (°C) (mb) * (deg)	DRY BULB WET BULB PRESSURE SEA STATE VISIBILITY DRN.		DSDB LD.	
															MAX. DEPTH = m			REMARKS		17872 (m)	SPD. CLOUD (amt) TYPE WEATHER DEPTH STA. NAME/ID		STATION DESIGNATION	

DHAREL	bucket	12 0	10 7	10 30 4	9 40 -	8 50	7 75 1	_	5 150 /	1 375	3 200 /	2 225	1 307 260 -	SEQ. DESIRED ROSE	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		0395759.20	DEG	CONSC LATITUDE	R/V Alpha Helix	VESSEL	
														ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local Date & Time	N	DEG	LONGITUDE	HX287	CRUISE ID	
		267	366	378	364	363	362	34/	310	359	358	357	1 352	SALT NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	Ц	9 / W		TUDE DATE JD=		P	
-														CHL. Bot. no. CHL, VOL.	JMBERS	FLUOR S/N						J U L 0 4	U L 0 4 9 S 2	MO YR	D= TIME (GMT)	GLOBEC/FOCI	PROJECT & LEG	
										<b>3</b>				NL. COMMENTS									7 12.4 . 119 7 86	(°C) (°C) (mb) * * (deg)	DRY BULB  PRESSURE  SEA STATE  VISIBILITY  DIRN.		DSDB I.D.	
																	MAX. DEPTH = m				REMARKS		872	* * * (m)	WIND CLOUD (armt) TYPE WEATHER DEPTH STA. NAME/ID		STATION DESIGNATION	

\* result butter did of work

bucket	12	=	10	9	00	7	ð	5	4	ω	2	-	SEQ.	FIRED	SEC CC	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		44	CONSC CAST #		R/V AI	VESSEL
	0	10	20	30	20	75	100	150	175	200	225	Bor	DESIRED	DEPTH	SEC COND SN	NS ON	MP SN	AP SN	SN	ı		0 (77 S	* 6		R/V Alpha Helix	
		Z.	CX	4	<b>X</b>	*	*	1 6		-	\	267	ROSETTE POSITION									S MIN	LATITUDE	2		
														1	PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local Date & Time	DEG   5 4	LONGITUDE		HX287	CRUISE ID
												-	SALT	SAMPLE						JD/TIME		. WM V	TUDE:			
,	379	379	377	376	375	374	W 7.3 W 7.3	272	37/	370	369	368	NUTRIENTS	SAMPLE BOTTLE NUMBERS						TIME	1	7 DAY	DATE JD=		<u></u>	PR
													CHL. Bot. no.	MBERS	FLUOR S/N						U L 0 4	U L O 4		53	GLOBEC/FOCI	PROJECT & LEG
													CHL. VOL.								.00	HR MIN	TIME (GMT)	<del>-</del>		
		:	leak									:										2 (6)	DRY BULB			DSD8 i.D.
			ter						11.				3									(°C)	WET BULB			5.
													CO									(mb) * *	PRESSU SEA ST VISIBIL	ATE		
													COMMENTS									(deg) (m	DIRN.			S
	;															MAX. DEPTH =	L_ 			REMARKS		7 2 8 8 6 x	CLOUD TYPE WEATH			STATION DESIGNATION
																TH =				0,		2 (m)	ВОТТОМ			ATION
																3						570	STA. NAME/ID			

Suc Suc Suc Suc Suc Suc Suc Suc Suc Suc	hiicket	12	11	10	9	ω	7	o.	5	4	ω	2	-	SEQ.	FIRED	SEC CO	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		04	CONSC CAST #	R/V Alp	VESSEL
		0	0	20	Ω Ω	50	. 75	100	125	150	175	200	Box	DESIRED	FIRED DEPTH	ND SN	ID SN	MP SN	IP SN	ž			5 0 0 M		R/V Alpha Hetix	•
:										'			242	ROSETTE									- 0	LATITUDE		
														ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	2 		HX287	CRUISE ID
<b>€</b> 1													/	SALT	SAMPI				- 		Or.	Local Date & Time	S MM	LONGITUDE		
	1.1	50	390	282	388	387	386	385	354	383	382	38/	380	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	1	. ΔΑ ΔΑ ΔΑ	DATE JD=	GL	
		77	7/	7)	7									CHL. Bot. no.	ABERS	FLUOR S/N	1					U L 0 4	U L O A		GLOBEC/FOCI	PROJECT & LEG
														, CHL. VOL.									0830 1	TIME (GMT)		
								1 60															<u></u>	DRY BULB		DSDB I.D.
								bothe d		***													. °	WET BULB		Đ.
						,		lidus						cc									(mb) * *	SEA STATE		
								Clos						COMMENTS									0 1 2 0	WIND DIRN.		
								4									MAX. DEPTH =				REMARKS		(m/s) * * *	CLOUD (amt)		STATION DESIGNATION
																	TH =				S		24	ВОТТОМ		ATION
		:												i			3						5784	STA. NAME/ID		

bucket	12	=	ī0	9	8	7	6	C1	4	ω	2	_	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		042	CONSC CAST #	R/V Alp	VESSEL
	ð	10	20	0 N	50	75	100	125	/So	宏	200	Box	DESIRED	DEPTH	NS GN	ID SN	AP SN	P SN	ž	1	į	2580	DEG.	R/V Alpha Helix	
												216	ROSETTE									7.22	LATITUDE		
					:								ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	N 1 49 4		нх287	CRUISE ID
													SALT	SAMP			!	- 	1	1	Local Date & Time	48	LONGITUDE		
	403	402	401	400	392	398	797	396	395	394	393	392	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME		W 13	DATE JD-		PR
	7	7	7	7									CHL. Bot. no.	ABERS	FLUOR S/I						U L 0 4	U L 0 4	5	GLOBEC/FOCI	PROJECT & LEG
													CHL, VOL.	li							¥:	09111	–lä		
																						12.6	DRY BULB	_	DSD8 I.D.
									\$8														JLB		p.
													СОМ										PRESSURE  * SEA STATE  * VISIBILITY		
													COMMENTS									25008	}		STA
																MAX. DEPTH =				REMARKS			* CLOUD (ami * TYPE * WEATHER	;) 	STATION DESIGNATION
		:														# # # # # # # # # # # # # # # # # # #						221	BOTTOM DEPTH		TION
																3						ST 83	STA, NAME/ID		

bucket	12	=	10	9	8	7	6	ر.	4	ω	2	<b>-</b>	SEQ.	FIRED	SEC CC	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		40		CONSC CAST #	R/V AI	VESSEL
					0	10	20	30	40	50	75	307	DESIRED	FIRED DEPTH	SEC COND SN	ND SN	MP SN	NS div	NS	1		358/	DEG	* S	R/V Alpha Helix	ר
												105	ROSETTI									40	조	LATITUDE		
													ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	N 1 4939	DEG	[0	HX287	CRUISE ID
			-									1	SALT	SAMP				-	ı	JO	Local Date & Time	∞	M	LONGITUDE		
					411	410	409	804	+0+	406	8	+0+	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME		6 w 1 3 J	DAY	DATE JD=	GL	PR
					 TT	77	7	T					CHL. Bot. no.	MBERS	FLUOR S/N				ļ		U L 0 4	U Ł 0 4	MO YR		GLOBEC/FOCI	PROJECT & LEG
													CHL, VOL.								7.	1032	HR MIN	TIME (GMT)		
																						12.6	(°C)	DRY BULB		DSDB I.D.
									95													•	(°C)	WET BULB		.p.
													60						:			10	(mb) + +	PRESSURE SEA STATE VISIBILITY		
													COMMENTS									$\mathbb{L}$	(deg) (m/s)	WIND WI		ST
				-												MAX. DEPTH =				REMARKS		09 2	/s) + + +	CLOUD (armt) TYPE WEATHER		STATION DESIGNATION
																H#						1/0/5	(m)	BOTTOM DEPTH		ATION
																3						STB 2		STA. NAME/ID		

bucket	12	11	10	9	00	7	6	5	4	ω	2	_	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		440		CONSC CAST #	R/V Al	VESSEL
						0	10	20	30	な	50	Box	DESIRED	FIRED DEPTH	ND SN	NS ON	MP SN	AP SN	SN	` 1			DEG	* K	R/V Alpha Helix	_
											<u></u>	67	ROSE									13.49	¥.	LATITUDE		
													ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES		z 	DEG		HX287	CRUISE ID
													SALT			ACE	7	NWO	Ž		Local Date & Time	36.	MIN	LONGITUDE		Б
						817	ナル	911	415	414	413	412	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	me =	2 ( w )	DAY	DATE		
						8 Tj	ヹ	TI	S	7	CN	2	NTS CHL. Bot. no.	E NUMBERS	FLU						J U L	_	Y MO		GLOBEC/FOCI	PROJECT & LEG
			_										ot. no. CHL VOL		FLUOR S/N						0 4	-	¥ ₩			LEG
			<del></del> -										P.											TIME (GMT) DRY		
									(F)				5.									6	(°C) (	DRY BULB WET		DSD8 I.D.
																							(°C) (mb)	WET BULB PRESSURE		
													COMMENTS										* * (d	SEA STATE VISIBILITY  □ ≤		
	:					:							пѕ										(m/s)	WIND WIND DIRN. SPD.		STATIO
																MAX. DEPTH =				REMARKS		2	*	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
																						695		воттом		ž
																3						TBI		STA. NAME/ID		

	bucket	12	=	10	g	œ	7	6	s	4	ω	2	-	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		9 H G		CONSC CAST #	R/V Alp	VESSEL
						0	10	20	30	40	93	K	Box	DESIRED	FIRED DEPTH	ND SN	D SN	AP SN	P SN	ž 	ļ			DEG	_	R/V Alpha Helix	
													) (	ROSE									7.49	MIN	LATITUDE		
														ROSETTE POSITION		PAF	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES		N 1 4	DEG		HX287	CRUISE ID
														SALT		PAR S/N	WACE	HI	DOWN	S		Local Date & Time	932		LONGITUDE		Ð
¥									-	4					SAMPLE B						JD/TIME	Time =	9 0 W	Z	<del>m</del>		
						426	425	424	423	422	421	420	419	NUTRIENTS	OTTLE NUME						m	ے	ے		DATE JD=	GLO	PRO
						7	N	T	77					CHL. Bot. no.	SAMPLE BOTTLE NUMBERS	FLUOR S/		l		!		U L 0 4	٦ (	MO YR		GLOBEC/FOCI	PROJECT & LEG
														. CHL, VOL.		2								HR MIN	TIME (GMT)		
																<b>  </b>							12		)   DRY BULB		Sa
														=									6	Н	8 WET BULB		DSDB LD.
																:							19				:
														COMMENTS									02	*	SEA STATE VISIBILITY		
72											!			SIN									0		WIND WIND DIRN. SPD.		STAI
																	MAX. DEPTH =	<u>                                       </u>			REMARKS			*	CLOUD (amt) TYPE WEATHER	-	STATION DESIGNATION
																; ;	TH =						11		ВОТТОМ DEPTH		ATION
																:	з						5576				
																							Ø		STA. NAME/ID		

bucket	12	=	10	9	∞	7	თ	رى د	4	ω	2	-	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		046		CONSC CAST #	R/V Alp	VESSEL
			0	9	20	30	40	50	75	100	125	Box	DESIRED	HLdad	ND SN	D SX	AP SN	P SN	ž	1			DEG		R/V Alpha Helix	
												161	ROSET									11.98	MIN	LATITUDE		
													ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	_	z 	DEG		HX287	CRUISE ID
			<u> </u>									7	SALT			ACE	Ĭ	NWO	Z		Local Date & Time	٠ ٢	MIN	LONGITUDE		0
-			436	435	124	433	432	431	430	429	A26	七27	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	ne #	4 0 w / 3	DAY	DATE		
			77	7	TT.	-	2		0	<u>`</u> _0	~	7	TS CHL. Bot. no	NUMBERS	FLUC						J U	C C	MO	E JD=	GLOBEC/FOCI	PROJECT & LEG
													rt. no. CHL. VOL.		FLUOR S/N						0 4	0 4 1 3	¥	тіме (дмт)	Ω	LEG
													ب 									0 - 2		MT) DRY BULB		
																						6		ULB WET BULB		DSDB I.D.
													1									19	-	PRESSURE		
													COMMENTS									35	* * (deg)	SEA STATE VISIBILITY  DRN.		
													S			<u>A</u>				R		101		SPD. CLOUD (amt)		STATION
																MAX. DEPTH =				REMARKS		2	*	TYPE WEATHER		STATION DESIGNATION
																						16457		воттом спертн		<i>ح</i> ـ
																B						T 800		STA. NAME/ID		

	bucket	12	11	10	9	œ	7	6	5	4	ω	2	-	SEQ.	FIRED	SEC CO	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		0 ب	CONSC CAST #	R/V All	VESSEL
				0	10	20	30	40	50	75	100	125	408	DESIRED	HTA30	SEC COND SN	NS ON	MP SN	(P SN	SN	1		285140	1	R/V Alpha Helix	•
													188	ROSET									760-88	LATITUDE		
														ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	_	z	D	HX287	CRUISE ID
														SALT	Ş	N/N	ACE	ᄑ	NWO	_		Local Date & Time	41	LONGITUDE		
				445	446	444	<b>4</b> 22	てわ.わ	141.	440	439	478	437	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	1 1	4 w 13	DATE		
				31	6	$\pi$	5	J.		0	-43	98	7		NUMBERS	FLUOR S/N						ס בו ע נ	-	JD.	GLOBEC/FOCI	PROJECT & LEG
														CHL. Bot. no. CHL. VOL.		S/NN					3	4.		TIME (GMT)		G
																							2	DRY BULB		DSDB I.D.
										20				=										WET BULB		I.D.
														8										PRESSURE  * SEA STATE  * VISIBILITY		
4 6									!					COMMENTS									10-1	WIND DIRN.		SI
																	MAX. DEPTH =				REMARKS		47	* CLOUD (amt)  * TYPE  * WEATHER		STATION DESIGNATION
																	TH=				3-		851	воттом рертн		ATION
																	э						5780	STA. NAME/ID		

VESSEL		2			pac	PROJECT & LEG		DSD8 LD.	ם 		SI	STATION DESIGNATION	ATION	
R/V Alpha Helix	ਜੋੜ Helix	<u></u>	HX287		<u>er</u>	GLOBEC/FOCI								
CONSC		LATITUDE		LONGITUDE	DATE JD=		TIME (GMT)	DRY BULB	WET BULB	PRESSURE SEA STATE VISIBILITY	WIND W	CLOUD (amt) TYPE WEATHER	воттом	STA. NAME/ID
	DEG	AN A	DEG			MO YR	HE MIN	(°C)	(°C)	* ;		* .		
10	28	7.6 N	494	48	J		V.1	9	•	197	v	2288	1397	P B D 0
			Local Da	Local Date & Time	# 	U L 0 4								
SBE 9+		1	TIMES	/Or	JD/TIME							REMARKS		
PRESS SN	ž	0	DATA ON	1										
PRI TEMP SN	PSN	S	START DOWN	1		ļ 								
SEC TEMP SN	AP SN	<b>A</b>	AT DEPTH	l								<u>                                      </u>		
PRI COND SN	D SN	Α	AT SURFACE		1							MAX. DEPTH =	<b>∃</b>	3
SEC COND SN	VD SN		PAR S/N			FLUOR S/N								
FIRED	FIRED DEPTH			SAMPLI	SAMPLE BOTTLE NUMBERS	BERS						:		
SEQ.	DESIRED	ROSETTE POSITION	STION	SALT	NUTRIENTS	CHL. Bot. no.	CHL. VOL.			co	COMMENTS			
-	77 27	135.7M		1	447									
2	125				244									
ω	100				449									
4	75				OSH				E					
رم د	50				451									
6	40				452									
7	က				453	F								
80	20				454	F								
9	10				455									
10	0				456									
=														
12														
bucket														

12	à	10	9 0	8 /0	7 20	6 30	5 40	4 50	3 75	2 100	1 32	SEQ. DESIRED R	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		l· l		CONSC LATITUDE	R/V Alpha Helix	VESSEL
					7						80	ROSETTE POSITION SALT		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local Date & Time	9 X	, DEG		HX287	CRUISE ID
		,	294	464	463	462	161	460	459	85h	七Sh	NUTRIENTS CHL. Bot. no.	SAMPLE BOTTLE NUMBERS	FLU					JD/TIME	JU	65 w ) 3 J u L	7	DATE	GLOBEC/FOCI	PROJECT & LEG
												ot. no. CHL. VOL.		OR S/N						4	17442	-	TIME (GMT)	XI	LEG
								8				COMMENTS									6 . 197	(2°)	DRY BULB  WET BULB  WET BULB  PRESSURE  SEA STATE  VISIBILITY  DIRN.		DSD8 I.D.
															MAX. DEPTH = m				REMARKS		108912/201001	_	WIND CLOUD (amt) SPD. CLOUD WEATHER BOTTOM DEPTH STA. NAME/ID		STATION DESIGNATION

bucket	12	=	10	9	œ	7	6	Çī	4	ω	2	-	SEQ.	FIRED	SEC CO	PRI CON	PRI TEM	PRESS S	SBE 9+		05	CAST		 8/∨ Alc	VESSEL
						0	.10	.20	30	40	250	397	DESIRED	DEPTH	ND SN	iD SN NS SN NS SN	PSN	ž	1		88			ha Helix	
												75	ROSE								+	LATITUDE			
											ě	***	TTE POSITION		PAR	AT SURI	START	DATA O	TIMES		N 1 4	DEG	3	HX287	CRUISE ID
													SALT		H 1	TH FACE	DOWN	Ž		Local Date & T	53.	LONGITUDE			ō
						7	E b	4	5	か	Jh 40	4	NUTRIE	SAMPLE BOTT					JD/TIME	ime =	W				
						72	エ	7	99	89	7	66	INTS CHL.	LE NUMBERS						J U L	ے ا	þ	GEO CONTRACTOR OF THE CONTRACT	GLOBEC/I	PROJECT & LEG
													Bot. no. CHL		UOR S/N	<del></del>	Τ.	Τ		0 4	-			Ö	& LEG
													Vol								177				
								:			•		57							:	6	<del></del>			DSDB I.D.
						:			:					:								<del>-                                     </del>			:
													COMIN								9 7	* SEA S	TATE		ļ
													MENTS							!	09				STA
																MAX. DEPT			REMARKS		748	* CLOUI			NOITANDISED NOITATS
															:	¥ •					8 400	BOTTOM DEPTH (m)	4.		TION
																3					4	STA			
		12	12	12	10 11 12 12 12 12 12 12 12 12 12 12 12 12	9 10 10 10 10 10 10 10 10 10 10 10 10 10		2th 0	2th   th   o 0 i	12 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	12th 12th 15th 16th 16th 16th 16th 16th 16th 16th 16	250 144 00:10 144 00:10 144 00:10 144 144 144 144 144 144 144 1	20 75 469 467 465 467 467 466 468 469 469 469 469 469 467 469 469 469 469 469 469 469 469 469 469	DESIRED ROSETTE POSITION  30 30 70 70 70 70	DESIRED         ROSETTE POSITION         SALT         NUTRIENTS         CHL. Bot. no. CHL. VOL.           CO         TSOT         TSOT	PAR SIN   PAR SIN   SAMPLE BOTTLE NUMBERS	DESTRED   AT DEPTH   MAX. DEPTH   MAX. DEPTH   MOX. DEP	P SN	DESTINE DOSITION SALT NUTRENTS CH. BOL TO CH. VOL.  COMMENTS  COME	TIMES   DOTNE   REMARKS	N SINFACE  DESTINA  D	D   S   S   Z   D   T   N   1   1   1   1   5   D   T   N	C	C	Description   Description

bucket	12	=	ő	9	8	7	6	v	4	ω	2	-	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		20		CONSC CAST #	R/V Alp	VESSEL
							0	10	20	(vs)	40	Box	DESIRED	FIRED DEPTH	ND SN	₩ NS G	MP SN	PSN	SZ			1881	DEG	# 0	R/V Alpha Helix	•
											,	7	ROSET									6.70	MIN	LATITUDE		
	-												ROSETTE POSITION		PA	AT SU	AT DEPTH	START	DATA ON	TIMES		Z	DEG		HX287	CRUISE ID
														Γ-	PAR S/N	AT SURFACE	HIA	START DOWN	ON		Local Date & Time	S	Ĺ	LONGITUDE		Ö
												/	SALT	SAMPL			li		1	'ar	e & Time	5.96	MN	TUDE		
							247	477	みたり	54h	アイカ	£44	NUTRIENTS	E BOTTLE !						JD/TIME		\$	DAY	DATE JD=		
								7-	77	77			CHL. Bot. no.	NUMBERS	FLUOR S/N						_ _ _	ח ר	МО	D.	GLOBEC/FOCI	PROJECT & LEG
					 	-									OR S/N						0	-	YR HR	긓	C	LEG
													CHL. VOL									2.4	ME	TIME (GMT)		
																		!				12.6	(°C)	DRY BULB		OSDB I.D.
													-										(°C)	WET BULB		LD.
								I														19		PRESSURE		
													COMMENTS									1	* * (	SEA STATE VISIBILITY		
													NTS									0	(deg) (m/s)	WIND WIND DIRN. SPD.		STA
																MAX. DEPTH =				REMARKS		40	*	CLOUD (amt) TYPE		STATION DESIGNATION
																EPTH =				KS		2   1	* (m)	WEATHER BOTTOM DEPTH		NATION
																						d 5/5	- 			
																a						BD 3		STA. NAME/ID		

VESSEL	CRUISE ID	PROJECT & LEG	DS	DSDB I.D.	STATION DESIGNATION
R/V Alpha Helix	HX287	GLOBEC/FOCI			
CONSC LATITUDE	LONGITUDE	DATE JD=	TIME (GMT) DRY BULB	WET BUL B PRESSURE SEA STATE VISIBILITY DIRN.	WIND CLOUD (armt) TYPE WEATHER DEPTH STA. NAME/ID
DEG	DEG MIN	DAY MO YR	$\neg$	(°C) (mb) * * (deg)	* * (m)
8/3.97	958	L 0 4	14/2	10 CE	2 +8
	Local Date & Time	<b>■</b> JUL04			
SBE 9+	TIMES	JD/TIME			REMARKS
PRESS SN	DATA ON				
PRI TEMP SN	START DOWN				
SEC TEMP SN	AT DEPTH				
PRI COND SN	AT SURFACE				MAX. DEPTH = m
SEC COND SN	PAR S/N	FLUOR S/N			
FIRED DEPTH	SAI	SAMPLE BOTTLE NUMBERS			
SEQ. DESIRED ROSETTE POSITION	POSITION SALT	NUTRIENTS CHL. Bot. no.	CHL VOL	COMMENTS	
1 BoT-1		479	kea	大の今	
2 601		027			
		124			
4 404		757			
5 200		282	7.07	Sampled	
6 204		7 484			
7 10		7884			
8 0		184			
9					
10					
==					
12					
bucket					

bucket	12	=	10	9	8	7	6	<b>5</b> 1	4	ω	2	-	SEQ. 1	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		2		CONSC CAST #	R/V Alpha Helix	VESSEL
			0	10	20.	00	400	50 6	75 -	100 .	125	Boi	DESIRED	DEPTH	D SN	Š.	PSN	S <sub>S</sub>	- 	ı		1898	DEG		a Helix	
							Ì					1	ROS									0.0	MIN	LATITUDE		
													ROSETTE POSITION			ΑΤ	AT	ST	DA	1		O N			X	S
													NON		PAR S/N_	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local (	485	DEG	LO	HX287	CRUISE ID
												1	SALT	SAN							Local Date & Time	9.9	MIM	LONGITUDE		
			496	495	HPH	492	497	161	490	484	XX2	48-	NUTRIENTS	SAMPLE BOTTLE NUMBERS	•					JD/TIME	11	Z W	DAY	DAT		
		;	6	5	十十	N Th	2	91	0,	0	×/2	7		E NUMBERS							ا ت ت	ر د	Y MO	DATE JD≈	GLOBEC/FOCI	PROJECT & LEG
													CHL. Bot. no.	, 	FLUOR S/N		·	1	ı		L 0 4	-	ΥR	<del></del>	/FOCI	⊺ & LEG
													CHL VOL									9	HR MIN	TIME (GMT)		
						Toa	N 07														,	12.	(°C)	DRY BULB		DSDB I.D.
						64	any of		=/				¥									0	(°C)	WET BULB		8 l.D.
						in antho	PA															19	(mb)	PRESSURE		
						Mater							COMMENTS						٠			4	*	SEA STATE VISIBILITY		
													ENTS									7 7		WIND W	-	ST
																MAX.				REMARKS		438	*	CLOUD (amt)		STATION DESIGNATION
																MAX. DEPTH =				RKS		2	*	WEATHER		IGNATION
																						45	(m)	BOTTOM S	-	
																3						PADS		STA. NAME/ID		

PG \_\_\_ OF \_\_\_

bucket	12	=	10	g	œ	7	o	v	4	ω	2	_	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		150		CONSC CAST #	R/V Alt	VESSEL
	0	10	20	20	50	100	15	175	200	225	25	268.	DESIRED	DEPTH	ND SN	NS CI	MP SN	NS di	SN			-	DEG	#Ł Ö	R/V Alpha Helix	
-	1	1	1	1	1	1	50	7	0	1	1	7										06	Ě	LATITUDE		
		:											ROSET									98		ÜDE		
													ROSETTE POSITION			AT S	ATI	STA	DAT	TIMES		Z			HX287	CRU
													8		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON		Local	500	DEG	<u>[0</u>	87	CRUISE ID
													SALT	S							Local Date & Time	1	M	LONGITUDE		
													Š	AMPLE B						JD/TIME	me ≖	9 4 W				
	808	50%	506	505	504	503	507	501	500	499	864	497	NUTRIENTS	OTTLE N						ñ		/3	DAY	DATE JD-		9
		1	4	4									CHIL. E	JMBERS	FLUOR S/N						JUL	ש ע	MO		GLOBEC/FOCI	PROJECT & LEG
													CHL. Bot. no. (		JOR S/N_				1		0 4	0 4	ΥR		8	LEG
													CHL. VOL.			-						11 53	HR MIN	TIME (GMT)		
																						3/2				
										;												7	(°C)	DRY BULB		DSDB I.D.
									00														(°C)	WET BULB		9
								_														19	_	PRESSURE		
		;											8						•			4	*	SEA STATE VISIBILITY	1	
													COMMENTS										(deg)	WIND DIRN.		
																							(m/s)	WIND SPD.		STATIC
15					ļ ļ											MAX. DEPTH =				REMARKS		488	*	CLOUD (amt) TYPE		STATION DESIGNATION
																PTH =				S		2 2		WEATHER		NOTAN
																						73		ВОТТОМ DEPTH		
																m						Z4 d		STA. NAME/ID		
																						26		Æ/ID		,

	bucket	12	11 10	10 20	6 40	8 500	7 /00	6 1500	5 700;	4 2256	3 2501	2 275	7/2 1	SEQ. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		\$ 5558	CONSC CAST #	R/V Alpha Helix	VESSEL
			1	4	7	1	1	1	ţ	6/	7		1	ROSET									03.81	LATITUDE		
														ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	N / 50	•	HX287	CRUISE ID
. (													\	SALT	SAMPLI				Z 	1	JD/	Local Date & Time	03 . 7	LONGITUDE		;
Weather		520 -	519	378	517	576	575	474	573	5/2	57/	270	503	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	 		þ	GLOE	PROJ
er deta		ተ	<b>ሌ</b>	4	M.	1								CHL. Bot. no. C	ERS	FLUOR S/N_				1	1	J L 0 4	г 0 4		GLOBEC/FOCI	PROJECT & LEG
N														CHL VOL.									27.40 MN	(GMT)		
ied of										89				=									2.6	EB B		DSDB I.D.
alen																							. /9	E		
5 102														COMMENTS									4	SEA STATE VISIBILITY	-	
on !														rs			M.				RE		80/78	WIND SPD.	-	STATION
station Bad for some 1/me						i											MAX. DEPTH =				REMARKS		72	TYPE WEATHER		STATION DESIGNATION
· Some													:				3						1 9	T 3		
Time																						1	F 10 d	STA. NAME/ID		

PG \_\_\_OF\_

bucket	12 0	11 10 4	10 80 1	1 QH2 6	8 50	7 754	1001	5 125	4 /501	3 /75	2 200	1 307	SEQ. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		056575	DEG		R/V Alpha Helix	VESSEL
											\	237	ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	9.02N1500	DEG	LATITUDE LO	HX287	CRUISE ID
	O,	532	53/	5	4	<b>'</b>	5	326	525	50	523	X 552	SALT NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	Local Date & Time =	5.83 w 1		LONGITUDE DA		
	533	3 <sub>2</sub> +	3/ <del>*</del>	530 4	529	578	527	6	O1	24	Li .	-2	CHL. Bot. no.	LE NUMBERS	FLUOR S/N						J U L 0 4	4 1 11 1 0 4	DAY MO YR	DATE JD=	GLOBEC/FOCI	PROJECT & LEG
			0				to						CHL VOL.									001914	HR MIN (	TIME (GMT) DRY		
			eaker				o suble o						T.							:			(°C) (°C)	DRY BULB WET BULB		DSDB I.D.
							did not re						COMMENTS				:					7	*	PRESSURE SEA STATE VISIBILITY DRIVEN		
							Hease						пѕ			MAX. DEPTH = m				REMARKS		1613672 247 FEDE	(m/s) * * * (m)	ND WIND CLOUD (amt) TYPE WEATHER BOTTOM DEPTH STA. NAME/ID		STATION DESIGNATION

bucket	12	=	10	9	œ	7	6	v	4	ω	2	-	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		25		CONSC CAST #	R/V Alpha Helix	VESSEL
	0	10	20	30	400	50	75	100	125	1500	175	209	DESIRED	DEPTH	D SN	) SN 	NS d	NS	- 	1		7575	DEG		a Helix	
								_		1	7	Box 2	ROSETT									4.28 N	MIN	LATITUDE		
												210	ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Loca	150	DEG	<u></u>	HX287	CRUISE ID
													SALT	SAMPL				z		ĵo,	Local Date & Time	08.64	<u>N</u>	LONGITUDE		
	542	644		545	145	540	(J.C.)	538	537	531	5357	485	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	" " " "	w t K J		DATE JD-	GLO	PRO.
		カ	1	1									CHL. Bot. no. (	SERS	FLUOR S/N		-		ļ 		U L 0 4 C	U L 0 4	MO YR		GLOBEC/FOCI	PROJECT & LEG
													CHL VOL								1 50	0114	HR MIN	TIME (GMT)		
			Us tive						- 60				19									3.5	(°C)	DRY BULB V	-	DSDB LD.
			م																				(°C) (mb)	WET BULB		
													COMMENTS					21				73	*	SEA STATE VISIBILITY	-	
													NTS									2/3	(deg) (m/s)	WIND WIND DIRN. SPD.		STATIO
																MAX. DEPTH =				REMARKS		672	*	CLOUD (amt) TYPE WEATHER		NOLLENDISAD NOLLELS
																						2/14	(m)	BOTTOM ST		Z
																3						6 B D 9		STA. NAME/ID		

213 - 214

PG \_\_\_\_ OF \_\_\_

	bucket	12	==	10	9	00	7	6	ر.	4	ω	2	-	SEQ.	FIRED	SEC CO	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		0		consc cast #	R/V Alp	VESSEL
				0	10	201	404	50,	754	1001	1254	1504	1844	DESIRED	DEPTH	SEC COND SN	D SN	AP SN	P SN	ž	1		8 5 7 5	DEG		R/V Alpha Helix	
										Ì				ROSETTE POSITION									0 0	MIN	LATITUDE		
											:			POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	N / 50 /	D£6	101	HX287	CRUISE ID
¥)				to	15.	to	ゎ						1	SALT	SAMPI			]	- 		g,	Local Date & Time	0.83	MIN	LONGITUDE		
				552	537	530	645	848	547	342	545	445	543	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	H	w / 2/ J		DATE JD=	<u>G</u>	PR
					=3									CHL. Bot. no.	MBERS	FLUOR S/N						U L 0 4	U L 0 4	MO YR	u	GLOBEC/FOCI	PROJECT & LEG
														CHL. VOL.		V							C 2-3 C	HR MIN	TIME (GMT)		
							177																1 4 1	(°C)	DRY BULB	_	DSD8 t.D.
										0													•	(°C)	WET BULB		.D.
						:			:					8									15 7		PRESSURE SEA STATE VISIBILITY		
3														COMMENTS		:							1301		WIND DIRN.		<u></u>
																	MAX. DEPTH =				REMARKS		0672	+	CLOUD (amt) TYPE WEATHER	-	STATION DESIGNATION
																	7TH #				S		7	╁	DEPTH BOTTOM		NOITA
																	3						897801	╀	STA. NAME/ID		
				L					<u></u>														0	L	EVID .		

01620190

bucket	12	==	10	9	œ	7	6	v	4	ω	2	-	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		05		CONSC CAST #	R/V Alp	VESSEL
						0	100	20.	200	HOU	1.0.	50.5	DESIRED	DEPTH	ND SN	ID SN	MP SN 	IP SN	ž			0595748	DEG	_	R/V Alpha Helix	
							1				1		ROSET									5	N.	LATITUBE		
													ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	5	N 1502	DEG		HX287	CRUISE ID
													SALT			CE	_	NWO			Local Date & Time	728.0	M.N.	LONGITUDE		
						572	561	520	535	45%	557	556	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	ह ।	6 w 1 4	DAY	DATE JD=		
						2	1	か	· 		7		rs CHL. Bot. no.	NUMBERS	FLUOR S/N	]					J U L 0	0 T n r	8	JD III	GLOBEC/FOCI	PROJECT & LEG
													. no. CHL VOL		R S/N						4	4 04	X FR	TIME (GMT)		93
													•									00 1 1	MIN (°C)	(T) DRY BULB		DS
									.83														(0)	LB WET BULB		DSDB I.D.
								=														-6	(mb) *	PRESSURE SEA STATE		
													COMMENTS									7130	* (deg)	VISIBILITY  DIRV.	1	
																MAX				REM		34748	(m/s) * *	SE SE SE SE SE SE SE SE SE SE SE SE SE S	<del> </del>	STATION DESIGNATION
															        -	MAX. DEPTH =				REMARKS		42	* (m)	TYPE WEATHER DEPTH		SIGNATION
															:	3						9195				
																						2 - 8		STA. NAME/ID		

bucket	12	=	10	9	8	7 10	6 20	5 30	4 HD	3 506	2 75	1 98	SEQ. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		P6957	DEG	CONSC CAST #	R/V Alpha Helix	VESSEL
						1	(	7			5	7	ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	51.57N/502	DEG	LATITUDE LC	HX287	CRUISE ID
					<b>1</b>	ተ	ト	<b>↑</b>	<b>1</b>				SALT	SAMPI				- 	l	۵ľ	Local Date & Time	5.98	SIN N	LONGITUDE		
					570				566	575	564	563	NUTRIENTS	E BOTTLE NUM	FLUOR S/N					JD/TIME	1	w 14 J		DATE JD=	EL.	PRO
													CHL. Bot. no.	IBERS	FLUOR S/N						U L 0 4	U L 0 4	Mo YR		GLOBEC/FOCI	ראטבניו מ רבט
													CHL. VOL.									0457	₩ M	TIME (GMT)		
																			:			13. 2	(°C)	ORY BULB	_	
								-														•	(°C)	WET BULB		
													COMMENTS									41	*	PRESSURE SEA STATE VISIBILITY	-	
													IENTS									1360987	(deg) (m/s)	WIND WIND DIRN. SPD.		•
																MAX. DEPTH =				REMARKS		72	*	CLOUD (amt) TYPE WEATHER		
																						1020	(E)	воттом стрертн ст		
																Э						M 1 20 9	-	STA. NAME/ID		

bucket	12	=	10	9	∞	7	6	S	4	ω	2	_	SEQ.	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		8	9	CONSC	R/V Alpha Helix	VESSEL
			0	10	20	30	400	50	757	100	125.	146-	DESIRED	DEPTH	D SN	NS (	P SN	Š.	_			5	DEG	_	na Helix	
										`\		1 92	ROSETT									. 02	MIN			
													ROSETTE POSITION		PAR S/N	AT SURFACE	АТ ОЕРТН	START DOWN	DATA ON	TIMES	لور	01	DEG		HX287	CRUISE ID
	- Arterior								:				SALT	SAI	Z	R		WN			Local Date & Time	24.43	MIN			
			1	カ	か	4							NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	11	8	DAY			
													S CHL. Bot. no.	NUMBERS	FLUOR S/N	]					ס ד ס	л С	Mo No	5	GLOBEC/FOCI	PROJECT & LEG
												:	no. CHL. VOL.		S/N						4	0	YR HR MIN	TIME (CA)		ត
						eat						:										<u>u</u>	N (°C)			DSC
						RES			W													2 .	$\dashv$	WET BLI B		DSDB I.D.
																						9	(mb) F	RESSURE EA STATE		
3													COMMENTS		!   							=	* \	ISIBILITY		
																MAX. I				REMARKS		4	* 0	G K CLOUD (amt)		STATION DESIGNATION
																MAX. DEPTH =	1			RKS		2	* 1	VEATHER 14 %		IGNATION
																3						48-613	$\dashv$	STA NAME (I)		
																						7.17				

	bucket	12	=	10	φ	∞	7	6	5	4	ω	2	_	SEQ. D	FIRED DEPTH	SEC COND	PRI COND SN	SEC TEMP SN	PRI TEMP SN	DRESS SN	SRF 9+	6	3	CONSC CAST #	R/V Alpha Helix	VESSEL
				0 1	201	700	402	50.	75	1000	125	150	180	DESIRED	DEPTH	NS	SN	NS	2			0001	DEG	5	Helix	
									,			,	`	ROSETTE							25	0 1		LATITUDE		
											-			ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA CM	TIMES	N / S O	DEG		HX287	CRUISE ID
Ţi														SALT			m		ž		Focal page & Title	7 2 1	M.	LONGITUDE		
			,	550	589	\$88	587	285	585	584	583	582	58/	NUTRIENTS	SAMPLE BOTTLE NUMBERS						ID/TIME	× ×	÷ p	DATE JD=	<u>.</u>	
				Ť	+	1	÷							CHL. Bot. no.	MBERS	FLUOR S/I					0 - 0			•	GLOBEC/FOCI	PROJECT & LEG
														CHL. VOL.								000	HR MIN	TIME (GMT)		
	;				1/	skipp							!			•						112.12	(C)	DRY BULB		יניו פוסגים
						skipped in				129												•	(°C)	WET BULB		Ċ
						Sound								co								6		PRESSURE SEA STATE VISIBILITY		
					_	lina								COMMENTS								1/1/7/	(deg)	WIND DIRN.		2
																	MAX. DEPTH =				REMARKS	13 16	- ·	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
															:	٠	# #					787	1	воттом рертн		ION
																	3				:	9		STA. NAME/ID		

9 7/ 0 8 2 bucket PRESS SN SBE 9+ 17 19 0 SEC COND SN PRI COND SN SEC TEMP SN PRI TEMP SN R/V Alpha Helix VESSEL SEQ. 7 FIRED DEPTH CAST # H 12 DESIRED 245 58 50. 1931 1000 1001 1754 묾 75 2 0 46 10 外 LATITUDE Š bucket 笑 ROSETTE POSITION say for time button did not work 4 N 15 0 20 . 9 6 W 14 CRUISE ID TIMES START DOWN DATA ON AT SURFACE AT DEPTH HX287 PAR S/N Local Date & Time LONGITUDE SALT Ĭ SAMPLE BOTTLE NUMBERS 木 JD/TIME NUTRIENTS 591 600 595 585 794 5-92 100 DATE JD= 398 597 593 183 765 J U L 0 4 PROJECT & LEG GLOBEC/FOCI c CHL. Bot. no. ₹ FLUOR S/N 0 4 ¥ 5 CHL. VOL. TIME (GMT) 풄 W ĭ DRY BULB Ĉ. DSDB I.D. WET BULB c 3 PRESSURE S SEA STATE VISIBILITY COMMENTS <u>م</u> DIRN. SP SE CLOUD (amt) STATION DESIGNATION (m/s) REMARKS MAX. DEPTH = TYPE WEATHER BOTTOM DEPTH 28 2240841 STA. NAME/ID 3

1

りませか 0 PRESS SN SEC COND SN PRI COND SN SEC TEMP SN PRI TEMP SN SBE 9+ R/V Alpha Helix VESSEL SEQ. FIRED DEPTH CAST # Ę 12 6 DESIRED 5808. 25 00 50 20 50 50 0  $\beta n$ 0 LATITUDE ROSETTE POSITION 62 N /5020 . OOW DATA ON CRUISE ID TIMES AT SURFACE AT DEPTH START DOWN HX287 PAR S/N Local Date & Time FONGLINDE SALT SAMPLE BOTTLE NUMBERS JD/TIME NUTRIENTS 200 409 809 DATE JD= 409 809 ᅵᅛᅵᅵᅵᅵᅵᅵ 113 612 6 : 610 006 1009 GLOBEC/FOCI PROJECT & LEG J U L 0 4 8 CHL. Bot. no. FLUOR S/N 0 4 ⋨ 685 CHL, VOL. チ TIME (GMT) DRY BULB DSDB I.D. WET BULB ලී PRESSURE SEA STATE VISIBILITY COMMENTS (deg) (m/s) 20 5 2 2 DIRN. SP ME CLOUD (amt) STATION DESIGNATION MAX. DEPTH = REMARKS TYPE WEATHER BOTTOM DEPTH ~3 U STA, NAME/ID Ø 3 Þ

bucket	12	11	10	9	8	7	6	5	4	ω	2		SEQ.	FIRED	SEC C	PRI COND SN	SEC TI	PRI TEMP SN	PRESS SN	SBE 9+		06		CONSC CAST #	R/V A	VESSEL
					0	10	20	(i)	40	50	75	400	DESIRED	FIRED DEPTH	SEC COND SN	ND SN	SEC TEMP SN	MP SN	NS			\$ 58	DEG	sc *	R/V Alpha Helix	ר
												106	ROSETTI									1.55	MIN	LATITUDE		
													ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local D	N / SO	DEG	LON	HX287	CRUISE ID
												٨	SALT	SAMP				]	1	'n	Local Date & Time	-Q -√1	<u>S</u>	LONGITUDE		
					621	620	619	618	419	1016	615	419	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	II	W L	Г	DATE JD=	ଘଣ	PRC
													CHL. Bot. no.	BERS	FLUOR S/N						U L 0 4	C C O 4	MO YR		GLOBEC/FOCI	PROJECT & LEG
													CHL. VOL.									0935	동	TIME (GMT)		
																						13.2	(၀)	DRY BULB	_	DSDB I.D.
																							(°C) (	WET BULB		٠
													COM									6	mb) *	PRESSURE SEA STATE VISIBILITY	-	
													COMMENTS									20514	(deg) (m/s)	WIND WIND DIRN. SPD.		STAT
																MAX. DEPTH =				REMARKS		72	*	CLOUD (amt) TYPE WEATHER	-	STATION DESIGNATION
																0						109p	(m)	ВОТТОМ		NOI
																3						0 B A 9		STA. NAME/ID		

VESSEL	CRUISE ID	PROJ	PROJECT & LEG	DSDB LD.	STAT	STATION DESIGNATION	
R/V Alpha Helix	HX287	GLOE	GLOBEC/FOCI				
CONSC CAST # LATITUDE	LONGITUDE	DATE JD=	TIME (GMT)	DRY BULB WET BULB	PRESSURE  SEA STATE  VISIBILITY  DIRN. WIND  SPD.	CLOUD (armt) TYPE WEATHER DEPTIM	STA, NAME/ID
DEG	DEG MIN	DAY	MO YR HR MIN	(°C)	* * (deg)	* *	
066813.96	017	0 w 1 4 J	U L 0 4 1 040	13.2		2 76	PBA8
	Local Date & Time	u 	U 1 0 4				
SBE 9+	TIMES	JD/TIME				REMARKS	
PRESS SN	DATA ON						
PRI TEMP SN	START DOWN						
SEC TEMP SN	AT DEPTH						
PRI COND SN	AT SURFACE		J 			MAX. DEPTH =	33
SEC COND SN	PAR S/N		FLUOR S/N				
FIRED DEPTH	SA	SAMPLE BOTTLE NUMBERS	_				
SEQ. DESIRED ROSETTE	ROSETTE POSITION SALT	NUTRIENTS	CHL. Bot. no. CHL. VOL.	Ξ	COMMENTS		
1 bet	\	622	77				
2 50		623					
3 40	*************	しなり					
4 30		929		alb.			
5 20		989	7	3			
6 10		627	77				
7 0		889	77				
60							
9							
10							
=							
12							
bucket			:				

	bucket	12	=	10	9	æ	7	6	5	4	ω	2		SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		06	CONSC CAST #	R/V Atr	VESSEL
							:		0	10	20	30	pod	DESIRED	FIRED DEPTH	ND SN	NS ON	MP SN	AP SN	<u>₹</u>	1		185600	1.	R/V Alpha Helix	•
													49.0	ROSETTE									20 <u>×</u>	LATITUDE		
													M	ROSETTE POSITION	ľ	PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local I	N DEG	10)	HX287	CRUISE ID
£1														SALT	SAMPL					1	/ar	Local Date & Time	5.93	LONGITUDE		
									633	632	631	1030	629	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	lt 	w l 4 J	DATE JD=	GLC	PRC
									$\pi$	TI	77	T		CHL. Bot. no.	BERS	FLUOR S/N	J 		 		·	U L 0 4	MO YR		GLOBEC/FOCI	PROJECT & LEG
														CHL. VOL.									<b>₩</b>	TIME (GMT)		
						:	8						leate			:     							(c) 7. 2	DRY BULB	-	DSD8 LD.
			:							50			ed									:	(°C)	WET BULB		·
														COMMENTS									(mb)	PRESSURE SEA STATE VISIBILITY		
														STN									(deg) (m/s) 3 Ο Φ 5	WIND WIND SPD.		STATIC
																	MAX. DEPTH =				REMARKS		2 *	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
																	*						(m) 53 p	BOTTOM S		N
																	3						B#7	STA. NAME/ID		

	bucket	12	=	10	9	8	7	6	5	4	ω	2	-	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		800	CONSC CAST #	R/V Alp	VESSEL
		-						0	10	20	30	40	87	DESIRED	FIRED DEPTH	NS ON	ib SN I	NP SN	™ SX   I	ž				# C DEG	R/V Alpha Helix	
						1							84	ROSETTI									11.28	LATITUDE		
			ļ											ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local C	~	DEG	HX287	CRUISE ID
(3)													7	SALT	SAMP				1		۵ſ	Local Date & Time	<b>네. 9</b> 2	LONGITUDE		
								639	le 38	489	636	635	634	NUTRIENTS	E BOTTLE NUM	FLUOR S/N					JD/TIME		w ) Џ ј	DATE JD*	GLC	PRC
								T	T	1	Π	T	T	CHL. Bot. no. CHL. VOL.	BERS	FLUOR S/N						U L 0 4	r '	MO TR	GLOBEC/FOCI	PROJECT & LEG
														CHL. VOL.								3#3 3#3	- 1	TIME (GMT)		
							:																13.2	DRY BULB		DSD8 t.D.
										٥.				*										WET BULB		,
														СОМ									16	PRESSURE  * SEA STATE  * VISIBILITY		
														COMMENTS									$\Box$	WIND WIND DIRN. SPD.		STA
																	MAX, DEPTH =				REMARKS		2	* CLOUD (amt * TYPE * WEATHER	2	NOITANDIS30 NOITATS
																!	<b>T</b>							BOTTOM DEPTH		TION
																i i	3						PBAG	STA. NAME/ID		

bucket	12	=	10	9	8	7	6	υı	4	ω	2	-	SEQ.	FIRED	SEC CO	PRI CON	CEC TEM	PRESS S	SBE 9+		96	CAST	VESSEL R/V Alp
						0	10	20	જ	fo	0.5	bot	DESIRED	DEPTH	ND SN	DSN 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	* ** 	ļ		20	DEG .	VESSEL  R/V Alpha Helix
												20	ROSET								<u>r</u>	ATITUDE	
													TE POSITION		PAR	AT SURE	AT DEDT	DATA ON	TIMES		z S	DEG	CRUISE ID
													SALT		S/N	ACF	C WN	_		ocal Date & Ti	13.	LONGITUDE	
						640	49	164	64	hg	10 4	1 h y	NUTRIENT	AMPLE BOTTLE					JD/TIME	me =	W P	DATE	
						4	7	4	(j)	12	H	0		NUMBERS	FLUOI					) U L 0	ט ר נ	Jo .	PROJECT & LEG
													. no. CHL. VOL.		S/N					4	4   		]   
							FAG.														3		DSD
									ũ				-										DSDB 1.D.
							duit	٠													9	PRESSURE  * SEA STATE	
							Clos						OMMENTS						:		138	WIND DIRN.	
		:					7									MAX DE			REMARA	_		* CLOUD (amt) * TYPE	STATION DESIGNATION
																PTH =			S		=	WEATHER	NATION
																3					(D)	STA. NAME/ID	1
	bucket	12 Ducket	11   1   1   1   1   1   1   1   1   1	10	9   10   11   1   1   1   1   1   1   1	8   9   10   11   11   12   13   14   15   15   15   15   15   15   15	0 646 7	10 bys F Both didn't clos	10 645 F BANKA AIDIN CLOS	20 644 65 F Bothe didn't clos	40 642 20 644 10 645 F BANK MANT Closs	50 642 20 642 20 644 10 645 F BARRA didn't clos	50 642 40 642 20 643 20 644 644 F BARK AIDIN CLOS	DESIRED ROSITION SALT NUTRIENTS CHL. BOL. 70, CHL. VOL.  DOT 65 L40  SO 1041  40 643  20 643  10 643  10 645 F BARRA AIDINA CLOS	DESIRED  DESIRED  ROSETTE POSITION  SALT  NUTRIENTS  CHL. BOI. no. CHL. VOL.  COMMENTS  COMMENTS  CHL. BOI. no. CHL. VOL.  COMMENTS  COM	DESIRED  ROSETTE POSITION  SALT  MUTREMIS  CHL. BOT. Inc.  CHL. VOL.  COMMENTS  COMMEN	DESPRED  ROSETTE POSITION  SALT  NUTRIENTS  CHL. BOI. no. CHL. VOL.  COMMENTS	START DOWN  WP SN  WE SALT INTRIBUTS  DESRED  ROSETTE POSITION  SALT  U SO  SO  SO  SO  SO  SO  SO  SO  SO  SO	SN START DOWN  WE SN AT EACH E BOTTLE NAMERS  DEFINH  DAR S/N  DAR	TIMES   DOTINE   REMARKS   Times		#   LATTILDE   CONSTITUE   DATE   DAT	

bucket	12	11	10	9	8	7	6	s	4	ω	2	_	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		4		CONSC CAST #	R/V Alı	VESSEL
					0	10	20	<i>S O S O O O O O O O O O O</i>	40	50	\ \ \	hot	DESIRED	DEPTH	ND SN	NS QN	MP SN	₩ NS &	¥ 	I		0	DEG	_	R/V Alpha Helix	1-
												83	ROSETTE POSITION									8.04 N	MIN	LATITUDE		
													POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local D:	1051	DEG	LONG	HX287	CRUISE ID
													SALT	SAMPLE						/ar	Local Date & Time	2.07	<u>S</u>	LONGITUDE		
					459	653	652	651	059	649	849	<b>ナ</b> トワ	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	L-	w / 4 J	DAY	DATE JD=	GLO	PRO
					77	77	TI						CHL. Bot. no.	BERS	FLUOR S/N		l 	l 	l 		U L 0 4	U 1 0 4	MO YR		GLOBEC/FOCI	PROJECT & LEG
													CHL. VOL.									1422	HR MN	TIME (GMT)		
															! ! !							12.0	(ငိ)	DRY BULB		DSDB (.D.
			· ·					i	900														(°C)	WET BULB		0.
													ÇQ									1 5 1	(mb) * *	PRESSURE SEA STATE VISIBILITY		
													COMMENTS					•				28704	(deg) (m/s)	WIND WIND DIRN. SPD.		415
																MAX. DEPTH =		<u> </u>		REMARKS		4472	(S) * * *	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
																iii						158	(3)	ВОТТОМ DEPTH		NOI
																э						P 8 4 4	-	STA. NAME/ID		

bucket	12	==	10	g	ω	7	6	55	4	ω	2		SEQ.	FIRED	SEC COND SN	PRI COND SN	PRI TEMP SN	PRESS SN	SBE 9+		んの	CONSC CAST #	R/V Alp	VESSEL
					0	0	20	نن O	Oh	50	X	bot	DESIRED	FIRED DEPTH	ND SN	D SN SN SN SN SN SN SN SN SN SN SN SN SN S	₽\$ <u></u>	ž 	1		P)	DEG	R/V Alpha Helix	
												108	ROSETTE POSITION								2 2 2 1 4 0 1 1	LATITUDE		
													POSITION		PAR S/N	AT DEPTH AT SURFACE	START DOWN	DATA ON	TIMES	Local D	-	DEG	HX287	CRUISE ID
												7	SALT	SAMPI		ı	ı	1	٥ſ	Local Date & Time	8.85	LONGITUDE		
					1062	661	1060	659	658	657	656	655	NUTRIENTS	SAMPLE BOTTLE NUMBERS					JD/TIME		_	DATE JD=	GL	PRO
							$\pi$						CHL. Bot. no.	BERS	FLUOR S/N			1		U L 0 4	_	MO YR	GLOBEC/FOCI	PROJECT & LEG
													CHL. VOL.							*1		TIME (GMT)		
																					12.0	DRY BULB		DSDB I.D.
					!				2)				*									WET BULB		D.
	}			i									COL		:		ļ				7	PRESSURE  * SEA STATE  * VISIBILITY		
													COMMENTS								<b>4</b>	WIND WIND DIRN. SPD. (deg) (m/s)		TS/
																MAX. DEPTH =	 		REMARKS		6472	* CLOUD (amt TYPE * WEATHER	)	STATION DESIGNATION
																工 					1 / 2	воттом рертн		TION
																3					P843	STA. NAME/ID		

bucket	12	=	10	9	σ.	7	თ	ر.	4	ω	2		SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		カナラ		CONSC CAST #	R/V Alk	VESSEL
				0	10	20	SO	40	50	75	100	box	DESIRED	FIRED DEPTH	ND SN	ND SN	MP SN	†R SN	I SS	1		8	DEG	# ñ	R/V Alpha Helix	'
												7	ROSE									36.55	MIN.	LATITUDE		
											1		ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	_	0-51 N	DEG		HX287	CRUISE ID
										*			SALT		S/N	FACE	코	NWOO	ž		Local Date & Time	0구.	MIN	LONGITUDE		ō
				170	6	6	0	66	6	6	6	100	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	ime =	8 W				
				7-1	670	1069 5	801	1067	96	665	664	1063		TLE NUMBERS	Ŧ						ر ر	٠	DAY MO	DATE 3D=	GLOBEC/FOCI	PROJECT & LEG
													CHL. Bot. no. CH		FLUOR S/N				Γ	<u> </u>	0 4	0 4 /	¥8	 둦	/FOCI	& LEG
													CHL, VOL.							-		061	ME	TIME (GMT)		
		:																				3 . 1	(°C)	DRY BULB		DSDB I.D.
																							(°C)	WET BULB		
													CO									15 7	(mb) * *	PRESSURE SEA STATE VISIBILITY		
		1									i i		COMMENTS									1.1	(deg) (n	WIND W		S
												:	: ! !			MAX. DEPTH =				REMARKS		489	(m/s) * * *	CLOUD (amt)		STATION DESIGNATION
																PTH =				S			(m)	WEATHER BOTTOM DEPTH		NATION
																3						5 P B A Z		STA. NAME/ID		
																						2		ME/ID		

bucket	12	==	10	9	ω	7	6	ر.	4	ω	2		SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		4		CONSC CAST #	R/V Alp	VESSEL
			0	10	20	30	40	50	24	100	125	504	DESIRED	FIRED DEPTH	ND SN	ID SN	WP SN	IP SN	¥ 	1		735842	DEG	·	R/V Alpha Helix	•
													ROSETT									2.04	N N	LATITUDE		
													ROSETTE POSITION		PAR S/N	AT SURFACE	АТ ДЕРТН	START DOWN	DATA ON	TIMES	Гос	N 150 05	DEG		HX287	CRUISE ID
												1	SALT	SAN		H		WN	4		Local Date & Time	٠.	¥.	LONGITUDE		
			1801	0%9	679	678	677	1076	549	674	673	672	NUTRIENTS	IPLE BOTTLE N	FLUOR S/N					JD/TIME	ß	ナーメナ	DAY	DATE JO-		7
					7	7						,	CHL. Bot. no.	JMBERS	FLUOR S						J U L 0 4	J U L 0 4	MO YR	<b>Y</b>	GLOBEC/FOCI	PROJECT & LEG
													CHL VOL.		Ž						10	1650	HR MIN	TIME (GMT)		
																						<u>3</u> 3	(°C)	DRY BULB		DSD8 i.D.
								į														•	(°)	WET BULB		D.
													ÇOŞ									16 7	(mb) * *	PRESSURE SEA STATE VISIBILITY		
													COMMENTS									4944587	(deg) (m/s)	WIND WIND DIRN. SPD.		STA:
																MAX. DEPTH =	! 			REMARKS		5632	* *	CLOUD (amt) TYPE WEATHER	-	STATION DESIGNATION
																I II						5 1	(3)	ВОТТОМ		ION
																3						P 8 A		STA. NAME/ID		

bucket	12	=	10	9	8	7	6	5	4	ω	2	-	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		7	CONSC CAST #	R/V Al	VESSEL
	0	10	20	30	40	50	な	100	125	150	75	pet	DESIRED	DEPTH	)ND SN	NS SN	MP SN	WP SN	NS	ľ		4583	_	R/V Alpha Helix	
:												206	ROSETTE POSITION							- -		N + 4 N	LATITUDE		
													OSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local Da	1503		HX287	CRUISE ID
													SALT	SAMPL				1	l	ď	Local Date & Time	· MZ	LONGITUDE		
	693	1092	1801	690	689	889	489	189	589	P.89	683	682	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	(- 	w / 4 J	i i	GL(	PRO
			77										CHL. Bot. no.	BERS	FLUOR S/N						U L 0 4	MO YR	_	GLOBEC/FOCI	PROJECT & LEG
													CHL. VOL									- HR S MN	<del> </del>		
	both																					(3).7	DRY BULB		DSDB I.D.
	e didu	(F)							8				15									(°C)	<u>₽</u>		D.
	*												CO									(qu)	SEA STATE		
	clos -												COMMENTS									9 deg			TS
	Ducker															MAX. DEPTH =				REMARKS		(m/s)	TYPE WEATHER	- - - - -	STATION DESIGNATION
	of Sam															u 			1			209P	± ¾		ON
_	mole															3						P B B 1	STA. NAME/ID		

1350	1001	50	50	50. 32.	10. f	50 50 10 4	10. 10. 10. 4	50 30 10 4

	bucket	12	1	10	9	8 10-	7 20	6 30.	5 500	4 75	3 1000	2 /30	1 138	SEQ. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		07658	DEG	CONSC CAST #	R/V Alpha Helix	VESSEL
								1	1	(	~	(		ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES		32.54NJS	MIN DEG	LATITUDE	HX287	CRUISE ID
¥8						4	ή	<u>т</u>						SALT	П	S/N	FACE	궆	NWO		/ar	Local Date & Time	N	MIN	LONGITUDE		Ō
					7/2	7/1	715	719	Jox.	707	701	705	704	NUTRIENTS CHI	SAMPLE BOTTLE NUMBERS	1					JD/TIME	ı U	w / 4 J.u	DAY MO	DATE JD=	GLOBEC/FOCI	PROJECT & LEG
														CHL. Bot. no. CHL. VOL.	3	FLUOR S/N						L 0 4	L 0 4 3 0 5	YR HR M	тіме (дмт)	/FOCI	T & LEG
	-																						5/3.7	MIN (°C)	T) DRY BULB		DSDB I.D.
										27				J4									11	-	WET BULB PRESSURE		
														COMMENTS									4)	1	SEA STATE VISIBILITY  DR.N.		
7							i.										MAX. DEPTH =				REMARKS		2872	*	CLOUD (amt) TYPE WEATHER	-	STATION DESIGNATION
																	# m						142 7	⊢	BOTTOM DEPTH STA		NOI
																	٥						P 683		STA. NAME/ID		

VESSEL R/V Alpha Helix	CRUISE ID HX287	PROJECT & LEG		DSDB I.D.	STATION DESIGNATION
CONSC				ESSURE A STATE SIBILITY WIND	OUD (amt) PE ATHER BOTTOM
	LONGI	DAIE JU=	IIME (GMI)	WET BOLD I DI SI VINIA	C T W
0778821.05	N / 5033.	16 W 14 J U L 0 '	4215513	7167	4
3	Local Date & Time	JULO	4		
SBE 9+	TIMES	JD/TIME			REMARKS
PRESS SN	DATA ON				50 cm/80
PRI TEMP SN	START DOWN				
SEC TEMP SN	AT DEPTH				
PRI COND SN	AT SURFACE				MAX, DEPTH =
SEC COND SN	PAR S/N	FLUOR S/N	S/NN		
FIRED DEPTH		SAMPLE BOTTLE NUMBERS			
SEQ. DESIRED ROSETTE	ROSETTE POSITION SALT	NUTRIENTS CHL. Bot. no.	no. CHL. VOL.	COMMENTS	
103-					
2 75%					
3 50%					
4 30.		<u></u> ←		80	
5 200		4			
6 10		7			
7					
ω					
9					
10					
11					
12					
bucket					

\$ | F

bucket XXVa		12	=	10	9	00	7 0	6 10	5 20	4 0 0	3 40	2 CO'	1 75.	SEQ. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		0 7858	DEG	CONSC CAST #	VESSEL R/V Alpha Helix
<u>&amp;</u>	` ]						(	1	<u> </u>	1		2	1										50.82	MZ	LATITUDE	
														ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	N /5 0 3	DEG	LOI	CRUISE ID HX287
									7	4				SALT	SAMPLI				~ 		/ar	Local Date & Time	4.07	MZ	LONGITUDE	
														NUTRIENTS	SAMPLE BOTTLE NUMBERS						m		- C / 1 W		DATE JD=	PROJ
,														CHL. Bot. no. (	ERS	FLUOR S/N_						U L 0 4	U F 0 4 2	MO YR		PROJECT & LEG
									i					CHL. VOL.									2321	1	TIME (GMT)	
							eaker			(*)		0-0-		-									3.4	$\vdash$	DRY BULB W	DSDB I.D.
							רן					けかる											. 1	┢	WET BULB	-
														COMMENTS									411-5	*	SEA STATE VISIBILITY  DR & NO	
														TS			<u>z</u>				R		14178		SPD. CLOUD (amt)	STATION
														:			MAX. DEPTH =				REMARKS		7 2	*	TYPE WEATHER	STATION DESIGNATION
																	3						79 6	3	BOTTOM STA	
									,														885		STA. NAME/ID	

	bucket	12	=	10	9	<b>∞</b>	7	o	ۍ	4	ω	2	-	SEQ.	FIRED DEPT	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		42	CONSC CAST #	R/V Alp	VESSEL
								8.	0	200	30.	50	もう	DESIRED	DEPTH	NS GI	WP SN	P SN	SZ	I		DEG 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		R/V Alpha Heftx	,
													\	ROSETTE POSITION								Ω Σ	LATITUDE		
														POSITION	I FAR SZN	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local D	1   S   C   3	- LON	HX287	CRUISE ID
<u>7</u> 8								7	F	4	h	ふ		SALT	SAMPL		!	1		ٔور	Local Date & Time	た    -    -    -	LONGITUDE		
														NUTRIENTS	SAMPLE BOTTLE NUMBERS					JD/TIME	II	W L H	DATE JD=	<u>GL</u>	PR
														CHL. Bot. no.	MBERS NEEDON 3/19						U	U L O YR		GLOBEC/FOCI	PROJECT & LEG
														CHL. VOL.								73 5 MN	TIME (GMT)		
																						1 1 (°C)	DRY BULB		DSDB I.D.
										25				lo								(°C)	WET BULB		i.
								:						8								(mb) * *	PRESSURE SEA STATE VISIBILITY		
														COMMENTS								(deg) (n	WIND DIRN.		0
																MAX. DEPTH =				REMARKS		(m/s) * 7 2	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
																₩# <b>=</b>				S		£9	воттом С-2		ATION
																3						P 6 6 6	STA. NAME/ID		

bucket	12	=	10	9	80	7	6	5	4	ω	2	_	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		\$8¢		CONSC CAST #	R/V AI	VESSEL
					X	0	10	20	W	F	55	8	DESIRED	FIRED DEPTH	NS ON	NS GN	MP SN	MP SN	SN	· 1		58	DEG	_	R/V Alpha Helix	
													ROSETTE									9.80	<u>S</u>	ATITUDE		
													ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	N 1503	DEG	LO	HX287	CRUISE ID
													SALT	SAMPL				- 		/ar	Local Date & Time	51.74	MIN	LONGITUDE		£Ę.
					11/4	740	739	738	737	736	735	734	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME		₹ (J)	Г	DATE JD=	GLC	PRC
													CHL. Bot. no.	BERS	FLUOR S/N	j					U L 0 4	U L 0 4	MO YR		GLOBEC/FOCI	PROJECT & LEG
													CHL. VOL.									φΦ 2 Θ	HR MAN	TIME (GMT)		
																						11.12	(°C)	DRY BULB		DSDB I.D.
									50						:							-	(°C)	WET BULB		
													COMMENTS								į	127	(mb) * *	PRESSURE SEA STATE VISIBILITY		
	:												ENTS					,				67/2	(deg) (m/s)	WIND WIND DIRN. SPD.		STATI
																MAX. DEPTH =		1 + 1 m	bottom	REMARKS		2 23	*	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
															•				a bottle	-		0	(E)	воттом		N
																3			, P			7 6 9 9		STA, NAME/ID		

12	=======================================	10	9	8	7	6	5	4	ω	2	-	SEQ. DE	FIRED DEPTH	SEC COND	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		00		CONSC CAST #	R/V Alpha Helix	VESSEL
 						0 4	10 -	201	200	404	479	DESIRED	HIA	SN	<b>z</b>	ž	2				5815	DEG MIN	<u> </u>	lelix	
												ROSETTE POSITION									58	_	LATITUDE		
												POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Loca	N 2 C	DEG		HX287	CRUISE ID
						4	4	ナ				SALT	П		•••	1 1	Ž	ı		Local Date & Time	36.9	MN.	LONGITUDE		
						1	94t	245	HH4	243	742	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	H	2w 15	DAY	DATE JD-		
												CHL. Bot. no.	JMBERS	FLUOR S/N						J U L 0 4	J U L 0 4	MO YR		GLOBEC/FOCI	PROJECT & LEG
												o. CHL. VOL.		2							129	HR MIN	TIME (GMT)		
														1							// 9	(°C)	DRY BULB		DSDB I.D.
								<u> </u>													•	(°C)	WET BULB		I.D.
												8									15	(mb) + +	PRESSURE SEA STATE VISIBILITY		
												COMMENTS									2921	(deg) (n	WIND DIRN.		SI
															MAX. DEPTH =		<u> </u>	1	REMARKS		N	(m/s) * * *	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
															Ή±				S		8	(E)	BOTTOM DEPTH		IATION
															m						8990		STA. NAME/ID		

	bucket	12	=	ő	9	œ	7	o o	S	4	ω	2	-	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		280		CONSC CAST #	R/V Alp	VESSEL
						Ò	100	201	3	404	1000	20%	101	DESIRED	FIRED DEPTH	NS CIV	D SN	NS div	P SN	ž			2531	DEG		R/V Alpha Helix	
									9					ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	0	DEG	LATITUDE	HX287	CRUISE ID
20						<b>₩</b>	<b>か</b>	ሗ	か					SALT	SAMPL				z 		JD,	Local Date & Time	38.22	MN	LONGITUDE		
						755	754	753	752	757	756	749	748	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	-	¥  '∫!		DATE JD=	GL0	PRO.
														CHL. Bot. no. (	ERS	FLUOR S/N			 			U L 0 4	U L 0 4 C	MO YR		GLOBEC/FOCI	PROJECT & LEG
														CHL. VOL.								11	02061	HR MIN	TIME (GMT)		
8														COMMENTS									13.0 . /9 744012	* * (deg) (m	DRY BULB WET BULB PRESSURE SEA STATE VISIBILITY DIRN. SPD.		DSDB I.D. STATI
																	MAX. DEPTH = m				REMARKS		2872 105 9669	* * (m)	CLOUD (amt) TYPE WEATHER DEPTH STA, NAME/ID		STATION DESIGNATION

bucket	i	12	11	<b>1</b> 0	9	8	7	6	cr.	4	ω	2	-	SEQ.	FIRED	SEC CO	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		00		CONSC CAST #	R/V Alp	VESSEL
			:			0	10-	200	30.	500	750	100	123-	DESIRED	DEPTH	SEC COND SN	ID SN	AP SN	P SN	ž 	!		80835808	DEG		R/V Alpha Helix	
								\				J.V		ROSET									8.60	MZ	LATITUDE		
											,			ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	_	N/5	DEG		HX287	CRUISE ID
	_	<del></del>												SALT			ACE	Ξ	NWO	z		Local Date & Time	039.	M.N.	LONGITUDE		D
	-							4	4	. 1 ~	1	7	7		SAMPLE BO						JD/TIME	ime =	CA X				
						763	762	761	760	759	758	757	756	NUTRIENTS	TTLE NUME						***	<u> </u>	2		DATE JD=	GLO	PRO
							: -			,				CHL. Bot. no.	BERS	FLUOR S/N						U L 0 4	0 4	MO YR	·	GLOBEC/FOCI	PROJECT & LEG
					7)									CHL. VOL.		Z							4 2 4	동	TIME (GMT)		
								P								i i							5/2.	(°C)	DRY BULB		ISO
							- *	5	•	e.													7	(°C)	B WET BULB		DSDB I.D.
	4							0630															1/	(mb)	PRESSURE	-	
								P						COMMENTS								1,13	146	*	SEA STATE VISIBILITY	-	
														IENTS								346	089		WIND DIRN.		
																	MA	L			RES	-	787	(m/s) *	SP NO D. CLOUD (amt)		STATION DESIGNATION
									,								MAX, DEPTH =	rain	93	655	REMARKS		7 2	*	TYPE WEATHER	-	ESIGNAT
																	II ·	(	Seads	94		i	128	( <u>a</u> )	BOTTOM DEPTH		NO.
				\							-						3			parp			0 6		STA. NAME/ID		
																				Der Se			0		ME/ID		

bucket	12	=	5	9	ω	7	6	5	4	ω	2	1	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		ф 8 4	CONSC CAST #	R/V Alpha Helix	VESSEL
					9	101	20.	36	50	80.	1104	1381	DESIRED	DEPTH	D SN	NS	P SN	NS.	_	1		15804		la Helix	
												No	ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Loca	.68N/50	UDE	HX287	CRUISE ID
					4	1	4	4				01	SALT	SAMP		m	I	Ž I	I	<b>-</b>	Local Date & Time	41.03	LONGITUDE		
					77/	778	_	769	767	766	715	714	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME		<u>γ</u>	DATE JD=	GL	PR
		-											CHL. Bot. no.	MBERS	FLUOR S/N						U L 0 4	0 4	5	GLOBEC/FOCI	PROJECT & LEG
													CHL VOL									0339	⊣'ä		
																						13.0	DRY BULB		DSDB I.D.
								į					1.0						-				J.B		p.
													COM									4 5	PRESSURE  * SEA STATE  * VISIBILITY	-	
į								:					COMMENTS									075/4			STAI
																MAX. DEPTH =				REMARKS	į.	4	* CLOUD (amt * TYPE * WEATHER		STATION DESIGNATION
																B						1408	1 × 0		ŌN
																3						1 6	STA. NAME/ID		

0, 12 20, 30, 80

bucket	12	=	10	9	8	7	6	S	4	ω	2		SEQ. 1	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		<del>(1</del>	9	CAST #	R/V Alpha Helix	VESSEL
					0	12	20	7 02	705	754	100	120 4	DESIRED	DEPTH	D SN	)   	PSN	NS	_	1		0	DEG		a Helix	
								\	\	`	<b>'</b>	)	ROSET									0.70	MIN			
													ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	5	z	DEG		HX287	CRUISE ID
					-							_	SALT	S		Ĉ.	Ŧ.	NWO	_		Local Date & Time	111	MIN			0
					18 F	K 7	カソン	7'-	7-	77	77	77	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	ne =	Ow I	DAY			
					0 '	79	B	7/	775	174	Z	72	TS CHL. Bot. no.	E NUMBERS	FLU						J U L	J U	Mo I	5	GLOBEC/FOCI	PROJECT & LEG
													ot. no. CHL. VOL.		FLUOR S/N						0 4	20	YR HR MIN	TIME	Ω	LEG
													OL.								-	- 1	$\neg$	DDV BIE B		
										 			::									5	$\dashv$			DSDB I.D.
																							⇌	E E E E E E E E E E E E E E E E E E E		
													COMMENTS									42	* \	EA STATE	- - -	
													15									16	(m/s)	DIBN SIND WIND		STATIO
																MAX. DEPTH =				REMARKS		2 4 8	* 1 * v	LOUD (amt) YPE VEATHER		STATION DESIGNATION
																						0	$\dashv$	BOTTOM 124		Ž
																3						6612		STA NAME/ID		

8 | 0 |

	bucket	12	=	ī	9	00	7	6	رم د	4	ω	2	1	SEQ.	FIRED DEPTH	SEC COND SN	PRI COND SN	NS dWall Jas	PRI TEMP SN	PRESS SN	SBE 9+		0 8 6	CONSC CAST #	R/V Alpha Helix	VESSEL
							0	12	20	100	500	750	10	DESIRED	DEPTH	D SN	NS (	SS	SE	-			575	5	a Helix	
														ROSETTE									0 0	LATITUDE		
														ROSETTE POSITION		PAR S/N	AT SURFACE	1 DEBTL	START DOWN	DATA ON	TIMES	Loca	0		HX287	CACION
ē:		<u></u>					^	1	ホ					SALT				1	Z I		ır	Local Date & Time	42.07	LONGITUDE		
							786	785	784	783	782	781	780	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	II	٤	DATE JD=	<u> </u>	
														CHL. Bot. no.	MBERS	FLUOR S/I		1				U L 0 4	c {	5	GLOBEC/FOCI	
														. CHL, VOL.									0	TIME (GMT)		
																•							12.4	DRY BULB		
		i.												<b>(</b>										WET BULB		
														COJ									<u></u>	PRESSURE  SEA STATE  VISIBILITY		
														COMMENTS									0761	WIND WIND DIRN. SPD.		
																	MAX, DEPTH =				REMARKS		4	* CLOUD (amt)  * TYPE  * WEATHER	-	
																	#						7 / 38	BOTTOM DEPTH		
																	3						2 1 9 9 3	STA. NAME/ID		

9/10/01/16

bucket	12	=	10	و	œ	7	o	ر.	4	ω	2	_	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		00		CONSC CAST #	R/V Alp	VESSEL
						0	15 4	201	1911	A D	100	82.	DESIRED	FIRED DEPTH	NS CIN	D SN	AP SN	PSN	ž	l		5	DEG		R/V Alpha Helix	
	:		!				\						ROSETT									3.04	MIN	LATITUDE		
													ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	۲oر	N/50	DEG		HX287	CRUISE ID
							_						SALT	SA	Z	œ œ		WN			Local Date & Time	43	<u>s</u>	LONGITUDE		
						₹ 793	₹ 792	£ 791	790	789	788	787	NUTRIENTS	SAMPLE BOTTLE NUMBERS		:				JD/TIME	ı.	2 w 15	DAY	DATE JD=		
						3			0				CHL. Bot. no.	NUMBERS	FLUOR S/N						J U L O	0	MO YR	JD=	GLOBEC/FOCI	DBOJECT & LEG
													no. CHL. VOL.		S/N						4	9	$\dashv$	TIME (GMT)		63
															,I							2		DRY BULB	_	DSDB I.D.
					:				2				Ç#			:								WET BULB		3 L.D.
			80										c									146	*	PRESSURE SEA STATE VISIBILITY		
													COMMENTS									184	(deg)	WIND DIRN.		S
	:															MAX. DEPTH =			:	REMARKS		15872	*	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
																7TH =				S			-	BOTTOM		JATION
																п						h 1 9 9 9		STA. NAME/ID		

	bucket	12	=	10	9	8	7	6	S	4	ω	2	-	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		00	T	CONSC CAST #	R/V Al	VESSEL
							0	Q	20,	25 4	10	600	- 98	DESIRED	FIRED DEPTH	ND SN	NS GR	MP SN	AP SN	¥ 	1		88574	DEG		R/V Alpha Helix	•
									`					ROSETTE					:				9.01	₹ Z	LATITUDE		
														ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	THMES	Loca	N 1 2 0 H	DEG		HX287	CRUISE ID
¥0.										<u>۸</u>				SALT	SAMP		***		₹ I	ı	ı.	Local Date & Time	14.93	¥	LONGITUDE		
							800	799	362	464	96t	564	Het	NUTRIENTS	LE BOTTLE NUI	FLUOR S/N					JD/TIME	<u> </u>	×	DAY	DATE JD=	ନ	PR
														CHL. Bot. no. CHL. VOL.	ABERS	FLUOR S/N						U L 0 4	U L 0 4	MO YR		GLOBEC/FOCI	PROJECT & LEG
														CHL VOL.								11	9120	HR MIN	TIME (GMT)		
					;												ļ						123	(°C)	DRY BULB	-	DSDB I.D.
										23									_				•	6	WET BULB		,
														COM									2 - 2	(mb) * *	PRESSURE SEA STATE VISIBILITY	- - - -	
														COMMENTS									07010	(deg) (m/s)	WIND WIND DIRN. SPD.		STAT
														*			MAX. DEPTH =	L	L		REMARKS		4872	# #	CLOUD (armt) TYPE WEATHER		STATION DESIGNATION
																	4						1886	(m)	воттом		Ō
																	₃						51199	1	STA. NAME/ID		

bucket	2	13	==	10	9	œ	7	6	s	4	ω	2	-	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		089		CONSC CAST #	R/V Alc	VESSEL
						0	10	200	30	Oh	92	24	bot	DESIRED	DEPTH	ND SN	D SN	MP SN	P SN	ž	ł			DEG		R/V Alpha Helix	
														ROSETT									- 55	N N	LATITUDE		
:														ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Loca				HX287	ראטומב ודי
														SALT	SAMP				<b>2</b> 		to to	Local Date & Time	02.03	MIN	LONGITUDE		
						808	207	806	208	202	803	208	801	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	11	r 5 / m	DAY	DATE JD=	<u>[]</u>	-
1			40					T	T					CHL. Bot. no.	IBERS	FLUOR S/N						U L 0 4	U L 0 4	MO YR		GLOBEC/FOCI	1
							,							CHL VOL									9-8	HR MIN	TIME (GMT)		
							1 25																12.4		DRY BULB	_	
							moto d			75				*										1	WET BULB		
							WHY C							COM									-	*	PRESSURE SEA STATE VISIBILITY		
							bula							COMMENTS									49412	(deg) (m/s)	WIND WIND DIRN. SPD.		
į			ı i				Jack T										MAX. DEPTH =				REMARKS		2 2	*	CLOUD (amt) TYPE WEATHER		
		-	Y			C	ing sa										B						871	(m)	ВОТТОМ DEPTH		
						ata.	June L										3						PBC1		STA. NAME/ID		

	bucket	12	1	10	9	8 0	7 10	6 20	5	4 4o		~ %	- box	SEQ. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		09058	DEG	CONSC CAST #	R/V Alpha Helix	VESSEL
:														ROSETTE									5807.04N	MIN	LATITUDE	:	
														ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local (	0   5	DEG		HX287	CRUISE ID
														SALT	SAMP		1	ı		l	5	Local Date & Time	0 . 89	MIN	LONGITUDE		
		-			,	216	318	418	813	812	811	X) ()	809	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	11	r 5 1 m	DAY	DATE JD=	<u>CL</u>	PR
						7	77	T						CHL. Bot. no.	ABERS	FLUOR S/N						U t 0 4	_	MO YR	W 	GLOBEC/FOCI	PROJECT & LEG
														CHL. VOL.		4						1	1009	HR MIN	TIME (GMT)		
																							12.3	(°C)	DRY BULB		DSD8 I.D.
										33													•	(°C)	WET BULB		Ď.
														COM									14	(mb) * *	PRESSURE SEA STATE VISIBILITY		
1						:								COMMENTS				į					H <del>O</del>		WIND WIND DIRN. SPD.		1.5
																	MAX. DEPTH =	<u></u>			REMARKS		6   2	/s) + + +	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
																	Ŧ.						103P	(E)	ВОТТОМ		ATION
							,		,								3						PBC9		STA. NAME/ID		

bucket	12	==	10	9	œ	7	6	ر.	4	ω	2	1	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		0		CONSC CAST #	R/V Al	VESSEL
					0	10	20	30	40	SS	X	bot	DESIRED	FIRED DEPTH	ND SN	NS GN	MP SN	AP SN	NS			118811	DEG		R/V Alpha Helix	_
													ROSETT									FO: 2	₹	LATITUDE		
													ROSETTE POSITION		PAR S/N	AT SURFACE	АТ ОЕРТН	START DOWN	DATA ON	TIMES	Loca	N   S			HX287	CRUISE ID
				:								1	SALT	SAME		m	1 1	Ž	ı	<u>_</u>	Local Date & Time	00.2	MN	LONGITUDE		
					824	823	822	821	820	81/9	818	418	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME		2w15 J	DAY	DATE JD=	<u></u>	- Pa
					11	Ti	TJ						CHL. Bot. no.	MBERS	FLUOR S/N						U L 0 4	U L 0 4	MO YR	Ī	GLOBEC/FOCI	PROJECT & LEG
													CHL, VOL.								0.1	11124	HR MIN	TIME (GMT)		
		:																				12.2	(°C)	DRY BULB		DSD8 i.D.
													9										(°C)	WET BULB		D.
													COM									141	(mb) * *	PRESSURE SEA STATE VISIBILITY		
													COMMENTS									49013	(deg) (m/s)	WIND WIND DIRN. SPD.		STAT
																MAX. DEPTH =				REMARKS		2	*	CLOUD (amt) TYPE WEATHER	-	STATION DESIGNATION
																11						1050	(3)	воттом		ON
																3						BC8		STA. NAME/ID		

	bucket	12	=======================================	ā	5	9	ω	7	6	С	4	ω	2		SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	1	20	CONSC CAST #	R/V AI <sub>E</sub>	VESSEL
		ļ			2	0	20	B	40	50	X	100	125	409	DESIRED	DEPTH	ND SN	ID SN	MP SN	P SS 	ž 			7581	ng.	R/V Alpha Helix	
														149.7	ROSETTE POSITION									5.03 <sub>N</sub>	LATITUDE		
								þ						m	OSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local I	1505		HX287	CRUISE ID
<u>.</u>															SALT	SAMI		1	1 1	l I		ے	Local Date & Time		LONGITUDE		
				0,0	423	833	832	831	<i>\$</i> 30	829	828	827	326	825	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	±	/w //S	DATE JD-	<u>[61</u>	PR
				-	π		T	T							CHL. Bot. no.	MBERS	FLUOR S/N						U L 0 4	U L 0 4	-	GLOBEC/FOCI	PROJECT & LEG
															CHL VOL									11 57	TIME (GMT)		
																							100	111.18	DRY BULB		DSDB I.D.
											(ir														<u>FB</u>		
															NO3									$\vdash$	PRESSURE  SEA STATE VISIBILITY		
															COMMENTS									49611			SI
					:													MAX. DEPTH =				REMARKS			CLOUD (am TYPE WEATHER	t)	STATION DESIGNATION
																		TH≡				- *	,	153	- B		ATION
																		3						3PBC1-	STA. NAME/ID		

bucket	12	=	10	9	œ	7	6	Ŋ	4	ω	2		SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		093		CONSC CAST #	R/V Al	VESSEL
					×	0	10	20	Ci O	40	50	7	DESIRED	FIRED DEPTH	ND SN	NS O	MP SN	₱ SN	SN	•	i	185	DEG	8	R/V Alpha Helix	,
												h.38	ROSETTE POSITION		PAR S/N_	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	.79 N/505	DEG	LATITUDE	HX287	CRUISE ID
									,			1	SALT	SAMPI					1	or	Local Date & Time		M.	LONGITUDE		
						17.8	240	939	838	468	F36	835	NUTRIENTS	SAMPLE BOTTLE NUMBERS	İ					JD/TIME		~ \ \ \	DAY	DATE JD-	<u></u>	PR
						П	π	Π					CHL. Bot. no.	ABERS	FLUOR S/N						U £ 0 4	-	MO YR	•	GLOBEC/FOCI	PROJECT & LEG
													CHL VOL		1						11		HR MIN	тіме (GMT)		
													16.									8		DRY BULB WET BULB		DSDB I.D.
							:						COMMENTS									157	(mb) * *	PRESSURE SEA STATE VISIBILITY DIRN.		
													·			MAX. DEPTH = m				REMARKS		1 4842	(m/s)   *   *   (m)	ID WIND CLOUD (armt) TYPE WEATHER DEPTH STA. NAME/ID		STATION DESIGNATION

	bucket	12	=	10	9	<b>80</b>	7	6 0	5 /0	4 20	3 30	2 40	1 bot	SEQ. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		22	DEG	CONSC	R/V Alpha Helix	VESSEL
									)	Q		0											8211.	$\dashv$	LATITUDE		
		10					:						54.8 M	ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Loc	0	DEG		HX287	CRUISE ID
20														SALT	П		H	ı	WN	l	ľ	Local Date & Time	58.11	Š	LONGITUDE		
								478	846	248	244	843	842	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	# 	<u>_</u>	7	DATE JD=	GL C	PRC
								71.	77	T				CHL Bot. no.	BERS	FLUOR S/N				 		U L 0 4	-	₩ YR		GLOBEC/FOCI	PROJECT & LEG
														CHL, VOL.									200	$\neg$	TIME (GMT)		
			i .						:	60	-												N	$\dashv$	DRY BULB W		DSDB 1.D.
															:									╤╅	WET BULB		
														COMMENTS									4	*	SEA STATE VISIBILITY		
ā	I													ЛS			M				, a		<u>रि</u>	(m/s)	WIND WIND SPD. CO.	-	STATION
																	MAX, DEPTH =				REMARKS		872	*	CLOUD (amt) TYPE WEATHER	-	STATION DESIGNATION
9																	m						59 PBC		BOTTOM STA	-	
																	3						३७ऽ		STA. NAME/ID		

bucket	12	=	5	ဖ	8	7	6	'n	4	ω	2	-	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		099		CONSC CAST #	R/V Alpha Helix	VESSEL
						Ü	01	E	رر در	7	20	box	DESIRED	DEPTH	D SN	NS (	P SN	SW	- 	I		00	DEG		ы Helix	
												79	ROS	•								24.4	M	LATITUDE		
	:										:		ROSETTE POSITION			AT	АТ	ST/	DA:	TIMES		4 ×			¥.	CR
													TION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	ŒS	Local D	5	DEG	LO <sub>N</sub>	HX287	CRUISE ID
												7	SALT	SAM					1		Local Date & Time	(A)	<u>S</u>	LONGITUDE		
						452	853	252	88	950	<b>2</b> 178	848	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME		0 w / 5	DAY	DATE	-	
						4	w 77	32		0	_	00		E NUMBERS	R						J L	טור	MO	D.	GLOBEC/FOCI	PROJECT & LEG
													CHL. Bot. no.		LUOR S/N_				Γ	1	0 4	0 4	¥		FOCI	& LEG
													CHL, VOL.									55.4	동	TIME (GMT)		
																						1/2.	(°C)	DRY BULB	_	DSI
									Ε3				=									5	(°C)	B WET BULB		DSDB I.D.
																							_	PRESSURE		
													CO									رب	*	SEA STATE VISIBILITY		
													COMMENTS									₩ ₩	(deg)	WIND DIRN.		
																<u>x</u>				2		1 2 8	(m/s) *	SP NO CLOUD (amt)		STATION
																MAX. DEPTH =				REMARKS		72	*	TYPE WEATHER		STATION DESIGNATION
																-						66	(E)	ВОТТОМ DEPTH		TION
																э						-0		<u> </u>		
																e e						BCH		STA. NAME/ID		

	bucket	12	=	10	9	00	7	6	ζı	4	ω	2	-	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		0 00	Γ	CONSC CAST #	R/V Alc	VESSEL
							σ	10	20	30	F	2	780	DESIRED	DEPTH	NS ON	ID SN I	AP SN	PSN	ž	ı		8	DEG	# 0	R/V Alpha Helix	
						!						2=	22	 38									28.7	NE NE	LATITUDE		
														ROSETTE POSITION			A	A	ST	D/	=		S N /			£	<u>д</u>
														ITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	508	DEG		HX287	CRUISE ID
+13														SALT	SA				_			Local Date & Time	•	¥	LONGITUDE		
:							198	2	188	858	458	956	S .	NUTRIENTS	SAMPLE BOTTLE NUMBERS	•					JD/TIME	н	¥ 6 ₩	DAY	DAI		
							10	098	3-5	oc.	لب	6	888		E NUMBER							J U	_ _	MO	DATE JD=	GLOBEC/FOCI	PROJEC
														CHL. Bot. no.	S	FLUOR S/N	Ĺ,			_		0 4	0 4	¥		:/FOCI	PROJECT & LEG
														CHL. VOL.									() ()	HR MIN	TIME (GMT)		
					<u>(5)</u>											1							13.2	(°C)	DRY BULB	_	DSD
										Tin-				=										(°C)	WET BULB		DSDB I.D.
																							18	<u>_</u>	PRESSURE		
														COMMENTS									4	+	SEA STATE VISIBILITY		
			:											IENTS									484		WIND V		S
																	MAX				REM.		1287	(m/s) * *	SAN SERVICE (Amt)		STATION DESIGNATION
70.1 101																	MAX. DEPTH =				REMARKS		72	*	TYPE WEATHER _ ®		SIGNATION
															: :								0	3	BOTTOM		_
															:		m						OPBC		STA. NAME/ID		
																							ىن		JE/JD		

	bucket	12	=	10	9	œ	7	o o	s,	4	ω	2	-	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		9	CAST	CONSC	R/V Alc	VESSEL
				0	10	20	30	40	50	な	100	125	tod	DESIRED	HT430	ND SN	NS OF	MP SN	P SN	SN	1		7583	7		R/V Alpha Helix	•
			1										95/	ROSETTE POSITION									2.34 N	LATITUDE			
														SITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	SHILL	Local Da	1505	-		HX287	CRUISE ID
¥														SALT	SAMPLE						/dr	Local Date & Time	6.24	LONGITUDE			
				148	OF \$	869	898	867	<b>₹</b> \ω\₅	29/S	POB	803	862	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	U L	<b>L</b>	DATE JD=		<u> </u>	PRC
														CHL. Bot. no.	BERS	FLUOR S/N						U L 0 4	U L 0 4	¥		GLOBEC/FOCI	PROJECT & LEG
														CHL, VOL.								E	<u> </u>	TIME (GMT)			
																							3	DRY BULB			DSDB I.D.
										7.5				_										WET BULB			I.D.
														Q		i i								* SI	RESSURE EA STATE ISIBILITY	-	
														COMMENTS									<b>48</b> \$	(dec)	WIND		<u> </u>
																	MAX. DEPTH =	<u> </u>	<u> </u> 		REMARKS		Ø 42	* CI	LOUD (amt)		STATION DESIGNATION
																	PTH=				S		101		BOTTOM		NATION
																	m						4PBC	SIA. NAME/ID			
																							2	ME/ID	; ;		

bucket	12	=	10	9	8	7	6	ري د	4	ω	2	-	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		9160	CONSC CAST #	R/V Alpha Helix	VESSEL
	0	10	20	30	40	50	K	100	125	150	727	400	DESIRED	DEPTH	NS CIV	D SN	AP SN	PSN	Ž	1		S 8 3	-	ha Helix	
			:									196	ROSETTE									7. 68	LATITUDE		
													ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Loca	N / S O S	_ _	HX287	CRUISE ID
0												/	SALT				<b>!</b>	z 	ţ	JC	Local Date & Time	. § . ∞	LONGITUDE		
	222	8872	<del>2</del> 83	370	279	848	440	948	548	448	873	273	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	11	W / S J	DATE JO-	<u></u>	- 3
			7										CHL. Bot. no.	ABERS	FLUOR S/N						U L 0 4	U MO YR		GLOBEC/FOCI	LYCOTECT & FER
													CHL, VOL.									ナ エ エ エ エ エ ア	TIME (GMT)		
			both																			12.9	DRY BULB		0000
			de Aldri						iii.				1.00									. ô	WET BULB		5
													400									1 5 1	PRESSURE SEA STATE VISIBILITY	-	
			The										COMMENTS									(deg) (m/s)	WIND WIND DIRN. SPD.		
																MAX. DEPTH -				REMARKS		3672		-	
																<u>+</u>						202	BOTTOM DEPTH		3
																3						PBC1	STA. NAME/ID		

bucket	i	12	1	10	9	œ	7	6	S	4	ω	2		SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRESS SN	+6 38S		Ø 0) 9	<u>,                                     </u>	CONSC CAST #	R/V Alp	VESSEL
						0	10	20	2	50	75	100	801	DESIRED	DEPTH	NS CIV	D SN	AP SN	P Ž	,		958	ı	***	R/V Alpha Helix	
					<u> </u>		1	1	1	1	1	1	00									0	- - - - -	LATITUDE		
						-							1	ROSETTE POSITION								- <del>-</del> -	:	Ĭ,		
														NOITISO		PAR S/N	AT SURFACE	AT DEPTH	DATA ON	TIMES		- 1	- 1		HX287	CRUISE ID
					$\vdash$								<u> </u>	ŞŞ		N/S	ČE.	Ξ :	OWN.		Local Date & Time	12019		LONGITUDE	,	•
														SALT	SAMPLE		!   		1	JD/	1 Time	1 6	3	<del>R</del> 		
						4								NUTRIENTS	SAMPLE BOTTLE NUMBERS					JD/TIME		\(\frac{\pi}{2}\)	DAY	DATE JD=		
						391	£ 890		888 >	287	288	288	884	<u> </u>	UMBERS	FLL					J U L	J U L		<u>ה</u>	GLOBEC/FOCI	PROJECT & LEG
	_					3/	30	28	8	7.7	0	7	4	CHL. Bot. no. C	_	FLUOR S/N			- [	<u> </u>	0 4	0 4	- ₹		<u>8</u>	k LEG
														CHL VOL							-	2700	HE MAN	TIME (GMT)		
																						J	$\neg$	DRY BULB		0
										-				-								L	در	<del> </del>		DSDB (.D.
																			·			-	ී	WET BULB		
																						-63		PRESSURE SEA STATE	-	
		·												COMMENTS								7 4 +		VISIBILITY DIRN.		
														S								44612	) (m/s)	WIND SPD.		STAT
																	MAX, DEPTH =			REMARKS		0	0 :	CLOUD (amt) TYPE		STATION DESIGNATION
																	PTH =			ŝ		1		WEATHER 124 BOTTOM DEPTH		NATION
		!																				11211	(E)	-		
																	3					000		STA. NAME/ID		
				<u></u>								<u></u>	<u></u>									-		ਰੇ		

bucket	12	=	10	9	 7	თ	5	4	ω	2	1	SEQ. DI	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		- a		CONSC CAST #	R/V Alpha Helix	VESSEL
											168	DESIRED	DEPTH	SN	¥	SN	<del>ž</del> 				1/85	DEG MIN	-	Helix	
												ROSETTI									30	Ż	LATITUDE		
												ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	6	N / 5-10	DEG		HX287	CRUISE ID
					 						1	SALT			CE	_	NAC			Local Date & Time	18.5	MIM	LONGITUDE		
												NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	ne =	X 8 W /	DAY	DATE		
													LE NUMBERS	FL						J U L	ر د ک	MO		GLOBEC/FOCI	PROJECT & LEG
												CHL. Bot. no. CH								0 4	0 4	¥ ¥		FOCI	% LEG
			<u></u> .									CHL VOL				!				=	2/81	_	TIME (GMT)		
																					ري دن	(°C)	DRY BULB		DSDB I.O.
								25											:		•	(°C)	WET BULB		٠
												c									15 7	(mb) + +	PRESSURE SEA STATE VISIBILITY		
												COMMENTS									4	(deg)	DIRN.		
															MAX.		<u> </u>  -		REMARKS		08		CLOUD (amt)	-	STATION DESIGNATION
															MAX. DEPTH =				RKS		2	* (ii)	WEATHER BOTTOM DEPTH		SIGNATION
															В						100				
																					0 2		STA. NAME/ID		

_	12	=	10	9	æ	7	6	5	4	ω	2		SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		<u>-</u>		CONSC CAST #	R/V Alpha Helix	VESSEL
	1					0	10.	20	0.14	00	St.	97	DESIRED	FIRED DEPTH	INS OF	D SN	IP SN	NS P	z	ı		1851	DEG	4k ( )	ha Helix	
								1	1	1	1	1	ROSETTE									. 45	MIN	LATITUDE		
_													ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local C	N 1 5 0/	DEG	LON	HX287	CRUISE ID
							1	*					SALT	SAMP				1 1	l	JC	Local Date & Time	8.29	M	LONGITUDE		
-						888	168	768	258	894	252	892	NUTRIENTS	SAMPLE BOTTLE NÜMBERS	İ					JD/TIME	1	w - 5	DAY	DATE JO=	<u></u>	P
													CHL. Bot. no.	MBERS	FLUOR S/N						U L 0 4	U L 0 4	₩ YR		GLOBEC/FOCI	PROJECT & LEG
													CHL. VOL.									2735	HR MIN	TIME (GMT)		
						Perkon																13.2	(°C)	DRY BULB	-	DSDB LD.
		!				1			2													•	(°C)	WET BULB		D.
						29 93							co									-11	(mb) * *	PRESSURE SEA STATE VISIBILITY		
						buctat	1	:					COMMENTS										(deg) (m	WIND WI		l ST
																MAX. DEPTH =				REMARKS		7672	(m/s) * * * (	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
																В						96	(E)	496 ВОТТОМ STA.	_	
																						b P = 3		STA, NAME/ID		

bucket	12	=	10	9	٥	»	7	6	5	4	ω	2		SEQ.	FIRED	SEC CO	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	- 1	182		CONSC CAST #	R/V Al	VESSEL
													74	DESIRED	DEPTH	SEC COND SN	ę sw	MP SN	4P SN	SN 	ŀ		1852	DEG		R/V Alpha Helix	,
													11	ROSETTE									3.72	MIN	LATITUDE		
			:											ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local (	N 1501	DEG	LO <sub>2</sub>	HX287	CRUISE ID
													1	SALT	SAMP					1	J.	Local Date & Time	6.04	MIN	LONGITUDE		
													¥	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	J	1 × 1 5	DAY	DATE JD=	ဓ	PR
														CHL. Bot. no.	/IBERS	FLUOR S/N					:	U L 0 4	U L 0 4	MO YR	"	GLOBEC/FOCI	PROJECT & LEG
														CHL, VOL.								12	2256	HR MIN	TIME (GMT)		
																							3.2	(°C)	DRY BULB	_	DSDB I.D.
									::	7													•		WET BULB		,
														СОМ									3	*	PRESSURE SEA STATE VISIBILITY		
														COMMENTS									Ι₩.	(deg) (m/s)	WIND WIND SPD.		STA
																	MAX. DEPTH =				REMARKS		8872	s) * * *	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
										i							<b>T</b> 8						<b>O</b>	(m)	воттом		TION
																	3						U pa		STA. NAME/ID		

	12	11	10	9	o	00	7 6	6 20	3 4/6	4 6	3	2 100	· 122 .	SEQ. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		1 \$ 358	CONSC CAST #	R/V Alpha Helix	VESSEL
										20/		0 601	70/	ROSETTE POSITION									1	LATITUDE		
;														OSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local D	DEG /	LON	нх287	CRUISE ID
	1								ተ .	4				SALT	SAMPLE				ļ		/ar	Local Date & Time	MN	LONGITUDE		
													77	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	1	W I S	DATE JD=	GLO	PRO.
														CHL. Bot. no.	BERS	FLUOR S/N			 	ļ 	· · · · ·	U C 0 4	U VR		GLOBEC/FOCI	PROJECT & LEG
														CHL, VOL									HR MIN	TIME (GMT)		
																							(°C)	DRY BULB	_	DSDB I.D.
										11)													. 6	WET BULB		
									ļ				i	COM		 							₩.	PRESSURE SEA STATE VISIBILITY	  -  -	
														COMMENTS				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					1468 770 (deg) (m/s)	WIND WIND DIRN. SPD.		STAT
																	MAX. DEPTH =	<u> </u>			REMARKS	-	282.	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
				!													#						(E) (X)	1 2 00		KON
																	3						0005	STA. NAME/ID		

bucket	12	=	10	9	œ	7	6	5	4	ω	2		SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		 <del>0</del>		CONSC CAST #	R/V Alp	VESSEL
												42	DESIRED	HLdad	ND SN	D SN	AP SN	P SN	Z			458)	DEG		R/V Alpha Helix	
													ROSETTE									6 . O &	XIII	LATITUDE		
										:			ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	N   S	DEG		HX287	CRUISE ID
												1	SALT	SAMPI			l	z 	1	مر	Local Date & Time	6.99	MN	LONGITUDE		
													NUTRIENTS	E BOTTLE NUN	FLUOR S/N					JD/TIME		w 15 J	DAY	DATE JD=	ନ	PR
													CHL. Bot. no.	IBERS	FLUOR S/N						U L 0 4	U L 0 4	₩ ₩		GLOBEC/FOCI	PROJECT & LEG
													CHL. VOL.								2331	2325	HR MIN	TIME (GMT)		
															<u> </u>							72	(°C)	DRY BULB	_	DSDB I.D.
																						•	(°C)	WET BULB		D.
													COM									6	(mb)	PRESSURE SEA STATE VISIBILITY		
													COMMENTS			:						\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	(deg) (m/s)	WIND WIND DIRN. SPD.		STA
																MAX. DEPTH =	<u>                                       </u>			REMARKS		886 2	*	CLOUD (amt) TYPE WEATHER	-	STATION DESIGNATION
							İ									•						673	(m)	воттом		NOI
																3						0606		STA. NAME/ID		

bucket	12	=	10	9	80	7	6	v	4	ω	2		SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		1 ¢ S		CONSC CAST #	R/V Alpha Helix	VESSEL
								0	10	20	90	63	DESIRED	DEPTH	NS ON	D SN	NS dk	P SN	Ž	1	7	581	DEG		ha Helix	
													ROSETTE		!						ł	. 18	MIN	LATITUDE		
													ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Loca	N 750	DEG	5	нх287	CRUISE ID
								4	イ	+	4	+	SALT	SAMP			l	z 	e e	JO.	Local Date & Time	6.55	MIN	LONGITUDE		
								808	507	901	905	404	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	"	W / 5 J	DAY	DATE JO=	EL.	PR
													CHL. Bot. no.	ABERS	FLUOR S/N			1			U L 0 4	U L 0 4	MO YR		GLOBEC/FOCI	PROJECT & LEG
													CHL. VOL.									2340	HR MIN	TIME (GMT)		
													<u>:</u>  -									12.7	(°C)	DRY BULB	_	.O.1 8dS:0
									¥6													•	(°C)	WET BULB		D.
į													COM		j							6	(mb)	PRESSURE SEA STATE VISIBILITY	- - - - -	
													COMMENTS									3/16	(deg) (m/s)	WIND WIND DIRN. SPD.		STAT
																MAX. DEPTH =				REMARKS		9872	•	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
																п						25	(E)	ВОТТОМ		ĬŌN
													;			m						101007	-	STA. NAME/ID		

ALTHOUSE   COMMINDE   DATE D.   THE (OUT) DOY BLUE WET BLUE SOUL STATE WAS UNDER SOUTH	bucket	12	11	10	9	8	7	1 6	6	5	4	ω	2	 SEQ. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		14658	CONSC CAST #	R/V Alpha Helix	VESSEL
CONGITUDE										<b>(1)</b>				<del></del>			AT	AT	ST/	DA:	MIT		1 & . 3 & N I		XXH	CRL
DATE DO THE GATT DAY BUE WET BULB RESSURE    WI 6 J U 1 0 4 5 6 6 1 2 7 7 7 7 1														NOI.		PAR S/N	SURFACE	DEPTH	RT DOWN	FA ON		Local Dat	0 °		87	CRUISE ID
TIME (GMT) DRY BULB WET BULB ESSURE  (C) (C) (TD) (TD) PRESSURE  (C) (TD) (TD) PRESSURE  (C) (SP) (TD) PRESSURE  (C) (SP) (TD) PRESSURE  (C) (SP) (TD) PRESSURE  (C) (SP) (TD) PRESSURE  (C) (SP) (TD) PRESSURE  (C) (TD) (TD) PRESSURE  (C) (TD) (TD) PRESSURE  (C) (TD) (TD) PRESSURE  (C) (TD) (TD) PRESSURE  (C) (TD) (TD) PRESSURE  (C) (TD) (TD) PRESSURE  (C) (TD) (TD) PRESSURE  (C) (TD) (TD) PRESSURE  (C) (TD) (TD) PRESSURE  (C) (TD) (TD) PRESSURE  (C) (TD) (TD) PRESSURE  (C) (TD) (TD) PRESSURE  (C) (TD) (TD) PRESSURE  (C) (TD) (TD) PRESSURE  (C) (TD) (TD) PRESSURE  (C) (TD) (TD) PRESSURE  (C) (TD) (TD) PRESSURE  (C) (TD) (TD) PRESSURE  (C) (TD) (TD) PRESSURE  (TD) (TD) PRESSURE  (TD) (TD) PRESSURE  (TD) (TD) PRESSURE  (TD) (TD) PRESSURE  (TD) (TD) PRESSURE  (TD) (TD) PRESSURE  (TD) (TD) PRESSURE  (TD) (TD) PRESSURE  (TD) P														SALT	SAMPL					1	/OL	te & Time		TUDE		į
TIME (GMT) DRY BULB WET BULB WET BULB ESSURE  (**C) (*														NUTRIENTS	E BOTTLE NO						TIME		5	DATE JO	<u> </u>	. Pg
TIME (GMT) DRY BULB WET BULB WET BULB ESSURE  (**C) (*							-							CHL. Bot. no	JMBERS	FLUOR S/						ט ר ס	с г о	5	OBEC/FOCI	PROJECT & LEG
COMMENTS  COMMEN																2							0	TIME (GMT)		
COMMENTS  COMMEN														į			ļ				:		2	DRY BULB		DSDB I.D.
COMMENTS  * SEA STATE  * VISIBILITY  * Q ON SENT SEA STATE  * VISIBILITY  * OPD OF CLOUD (amt)  * TYPE  * TYPE  * WEATHER											4													WET BULB		D.
MMENTS  WIND  WIND  WIND  SPD. D. D. CLOUD (amt)  TYPE  AXX. DEPTH.  WEATHER										;				Q										* SEA STAT	E	
RE CAN * CLOUD (amt)  OF TYPE  OF WEATHER														OMMENTS			;						990			
The second secon																	MAX. D				REMAR	-	48	* CLOUD (a		STATION DESIGNATION
																	EPTH =				KS		12		₹ 	NATION
TA. NAME/ID																	3						00			

CONSC CAST # LATITUDE  CONSC CAST # LATITUDE  DEG MIN  DEG MIN  DEG MIN  PRI TEMP SN  SEC TEMP SN  SEC COND SN  SEC COND SN  SEC COND SN  SEC COND SN  SEQ DESIRED ROSETTE  1 5   4 0 4 0 4 0 6 6 6 6 6 6 6 6 6 6 6 6 6 6	CRUISE ID HX287    K   4   N   5   O     Local DE TIMES DATA ON START DOWN AT DEPTH AT SURFACE   PAR S/N	ID PROJECT  LONGITUDE DATE JD-  MIN DAY MO  O   S . 4/ W / L J U    Local Date & Time = JD/TIME  DOWN  TH  SAMPLE BOTTLE NUMBERS  SALT NUTRIENTS CHL  4 9/1	& LEG & LEG   FOC:			DSDB I.D  DSDB I.D	DSDB LD.  OCC BULB WET BULB PRESSURE SEA STATE	DSDB LD.  DSDB LD.  DSDB LD.  O'C) (C) (Mb) PRESSURE  SEA STATE  VISIBILITY  (deg)  COMMENTS  COMMENTS	DSDB LD.  DSDB LD.  DSDB LD.  STATION DESIGNATION  (°C)  (°C
CRUISE ID HX287	LONG		PROJECT & L	MIN MIN	<del>                                     </del>	B PRESSURE  * SEA STATE	WIND DIRN.	* CLOUD (amt.)  * TYPE  * WEATHER  BOT	TOM STA, NAME/ID
	DEG	W /	U MO	N N	. 0	(mb) ·	(deg)	2 .	53 11/0
	Local Da		С С						
		JD/TIME						REMARKS	
	DATA ON								
	START DOWN								
	AT DEPTH								
	AT SURFACE							MAX. DEPTH =	
	PAR S/N		FLUOR S/N						
		Sydelf EC DO	Tr. Morrock						
ROSETTE	POSITION		CHL. Bot. no.	CHL, VOL.			OMMENTS		
		-	2						
1			6						
		7	7						
		9	2			:			
				-					
-									

bucket	12	=	10	9	œ	7	6	5	4	ω	2		SEQ.	FIRED	SEC CON	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		0	CONSC CAST #	R/V Alp	VESSEL
												52	DESIRED	DEPTH	SEC COND SN	ID SN	AP SN	P SN	ž	1		08582	2	R/V Alpha Helix	
													ROSETTE POSITION					:				1 3 1 N	LATITUDE		
													OSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local D	(S 4 1		HX287	CRUISE ID
												1	SALT	SAMPLI				1	l	/ar	Local Date & Time	8	LONGITUDE		
													NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME		_	DATE JO=	GLC	PRC
													CHL. Bot. no. CHL, VOL	BERS	FLUOR S/N		l 	<b> </b>	l		U L 0 4	-	5 	GLOBEC/FOCI	PROJECT & LEG
													CHL, VOL.								100	7	TIME (GMT)		i
					: :																	12.8	DRY BULB		DSD8 1.D.
																							WET BULB		D.
													8									12	PRESSURE  * SEA STATE  * VISIBILITY		
													COMMENTS										WIND WIND SI		.15
																MAX. DEPTH =	<u> </u> 	<u>                                     </u>		REMARKS		8872	* CLOUD (am * TYPE * WEATHER	1)	STATION DESIGNATION
															:	TH =				ν.	<u>.</u>	5	воттом рертн		ATION
																3						300001	STA. NAME/ID		

bucket	12	=	10	9	8	7	6	5	4	3	2 2	1 2/	SEQ. DE	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		109		CONSC	R/V Alpha Helix	VESSEL.
		0	101	30	50,	754	1.00	1251	10.51	751	100	144	DESIRED	HTA	SN .	Z	ž	~		1		<b>5</b> 8 す 5	DEG MIN	LATITUDE	lelix	
				Ì									ROSETTE POSITION									(S) z				
													OSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local [	15020	DEG		HX287	CRUISE ID
		4	木	+								1	SALT	SAMPI						ą	Local Date & Time	00 0	MN	LONGITUDE		
	,	972	922	921	920	719	3/8	917	3/16	9/5	9/4	913	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME		w 16J	DAY	DATE JO=	ଜ	PF
													CHL. Bot. no.	MBERS	FLUOR S/N				<u> </u>		U L 0 4	U L 0 4	MO YR	ti  -  -	GLOBEC/FOCI	PROJECT & LEG
													CHL, VOL.		Z				-		-	<b>\$</b> 2   <b>6</b> 0	HR MIN	TIME (GMT)		
							2															133	(°C)	DRY BULB	-	DSDB I.D.
				i			Wet o			S.													(°C)	WET BULB		I.D.
							E.VO	,					S									16 7	(mb) + +	PRESSURE SEA STATE VISIBILITY		
		·											COMMENTS	1								60020	(deg) (	WIND DIRN.		-v
																MAX. DEPTH =				REMARKS		48	*	CLOUD (amt)	  -  -  -	STATION DESIGNATION
																PTH=				S		2 248	(m)	WEATHER BOTTOM DEPTH	1	NATION
																m						3 UP 6		oball STA. NAME/ID		

bucket	12	1	10	g	œ	7	6	S	4	ω	2	_	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		<u>-</u>		CONSC CAST #	R/V Alpha Helix	VESSEL
												800	DESIRED	HTA3G	ND SN	NS G	AP SN	PSN	ž	1		0880	DEG		ha Helix	
												١	ROSET										MIN	LATITUDE		
													ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	2	z 	DEG		HX287	CRUISE ID
												1	SALT	٧		ÇE		NWO			Local Date & Time	5020.3	MIN	LONGITUDE		
										:			NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	ਰ  -	€ 80	DAY	DATE		
													'S CHL. Bot. no.	NUMBERS	FLUOR S/N						0 7 0 6	J U L 0	MO YR	JD:	GLOBEC/FOCI	PROJECT & LEG
													no. CHL. VOL.		S/N						4	4 025 H	R HR MIN	TIME (GMT)		ត
																						3.5	(°C)	DRY BULB	_	DSDB I.D.
									1.2		:												(°C)	WET BULB		I.D.
									i				Ω								·	-6	(mb) : :	PRESSURE SEA STATE VISIBILITY	-	
													COMMENTS									86000	(deg) (r	WIND DIRN.		S
																MAX. DEPTH =	<u> </u>		-	REMARKS	-	2 2 8 60	(m/s) * * *	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
											!		! ! 			THE				S		4 2 4 7	(n)	ВОТТОМ		IATION
																3						10 p b 2		STA. NAME/ID		

8 300 E 931 9 20 E 932 10 0 T 4 933	20 20 10	20 50	30 F	3 0 8	NR T	7 50	100	754	5 1004 3	4 1204	3 1404	2 160	1 /74 - 924	SEQ. DESIRED ROSETTE POSITION SALT NUTRIENTS CHL	<b>±</b>	SEC COND SN PAR S/N F	PRI COND SN AT SURFACE	SEC TEMP SN AT DEPTH	SN	PRESS SN DATA ON	SBE 9+ TIMES JD/TIME	Local Date & Time = J U L	11115808.61 N 15019.87 W 161 U L	750	CONSC   ATTITION   DATE DA		R/V Alpha Helix HX287 GLOBEC/FOCI	VESSEL CRUISE ID PROJECT & LEG	
														CHL. Bot. no. CHL. VOL. COMMENTS		LUOR S/N						0 4	0 4 0 3 2 5 1 3 . 5 . 1 6 7 4	(°C) (°C) (mh) * *	TIME (GMT) DRY BULB WET BULB PR SS S DIRN.	TATE	/FOCI	T& LEG DSDB 1.D.	
																	MAX. DEPTH = m				REMARKS		09872 /	(m/s) * * * (m)	WIND SPD.	D (amt)		STATION DESIGNATION	

bucket	12	=	10	9	CX	0	7	6	c,	4	ω	2		SEQ. DE	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		(1) 2		CONSC CAST #	R/V Alpha Helix	VESSEL
														DESIRED	EPTH	NS	ž	SZ	z 				<u>w</u>	DEG MIN		ਮelix	
									:					ROSETTE POSITION						:			& &	_	LATTUDE		
														POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	$\Box$	DEG	<u>L</u> o	HX287	CRUISE ID
														SALT	SAMP			ı	- 	1	ar	Local Date & Time	9 . 29 w	N N	LONGITUDE		
														NUTRIENTS	LE BOTTLE NUI						JD/TIME	11		DAY	DATE JO-	GL	PR
														CHL. Bot. no.	MBERS	FLUOR S/N						U L 0 4	L 0 4	MO YR		GLOBEC/FOCI	PROJECT & LEG
														CHL, VOL.									4	HR MIN	TIME (GMT)		ļ
							11																13.5	(°C)	DRY BULB		.a.1 8asa
										-													•	(°C)	WET BULB		
														COM		  i							6 7	(dm)	PRESSURE SEA STATE VISIBILITY		
										:				COMMENTS									18894464	(deg) (m/s) *	WIND WIND DIRN. SPD.		STAT
																	MAX. DEPTH =			МО	REMARKS		3872	*	CLOUD (amt TYPE WEATHER	7	STATION DESIGNATION
												:	:							no bellies	*		120	( <u>n</u> )	12 <b>0</b> 80TTOM DEPTH		NOI
																	3				7		0 P B 4	-	STA. NAME/ID		

CONSC CAST # LA  CAST # LA  SBE 9+  PRI TEMP SN  SEC TEMP SN  PRI COND SN  SEC COND SN  FIRED DESTRED	CRUISE ID HX287  HX287  LON MIN DEG TIMES DATA ON START DOWN AT DEPTH AT SURFACE PAR S/N  ROSETTE POSITION	SAL1	DATE JD- DAY MO DAY MO DAY JULI TIME JD/TIME  SAMPLE BOTTLE NUMBERS  CHL	& LEG FOCI	TIME (GMT) HR MIN OH, VOL	lo	DRY BULB OSDB	DSDB LD.  OC)  OC)  OC)  OC)  OC)  OC)  OC)	CC BULB  The pressure  * SEA STATE	WET BULB  (°C)  (°	WET BULB  (°C)  (°	WET BULB PRESSURE  (°C) (mb) PRESSURE  SEA STATE  VISIBILITY  Odeg) (m/s)  COMMENTS
	START DOWN											100 TO TO TO TO TO TO TO TO TO TO TO TO TO
	AT SURFACE			FLUOR S/N							M/	MAX. DEPTH =
- 11	_	SAMPL	E BOTTLE NUM	BERS								
	ROSETTE POSITION		NUTRIENTS	CHL. Bot. no.	CHL, VOL				Ş	IMENTS	MENTS	MENTS
١.			934	ļ								
$\overline{}$			935									
60			936						i i			
404			937									
201		ナ	\$26									
0%		<b>1</b>	939									
		4	940				:					
					9							
							:					
<u> </u>							i i					
<del>-</del>	A											
									1			

bucket	12	=	10	9	00	7	6	S	4	ω	2		SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		=	CONSC CAST #	R/V Alp	VESSEL
											624	<b>Э</b> Н	DESIRED	DEPTH	ND SN	D SN	AP SN	P SN	ž 	<b>!</b>		1 8 S I		R/V Alpha Helix	
													ROSETTE POSITION		:							ル イ イ イ イ イ イ イ イ イ イ イ イ イ イ イ イ イ イ イ	LATITUDE		
													NOITISO		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local D	105	·	HX287	CRUISE ID
											1		SALT	SAMPL			<b>!</b>	1	I	/Or	Local Date & Time	0 3 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	LONGITUDE		
													NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	# 	W J	_  -	GL(	PRO
													CHL. Bot. no.	BERS	FLUOR S/N				1		U L 0 4	U L 0 4		GLOBEC/FOCI	PROJECT & LEG
													CHL. VOL.								\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	S7 + 0	48 Z		
																						<u></u>	DRY BULB	_	DSD8 i.D.
!				:												:-							WET BULB		D.
											:		çõ		!! !								PRESSURE SEA STATE VISIBILITY		į
													COMMENTS									486445			STA
																MAX. DEPTH =				REMARKS			* CLOUD (amt) * TYPE * WEATHER	-	STATION DESIGNATION
																# I						96	воттом рертн		TION
																э						0000	STA. NAME/ID		

bucket	12	=	10	9	8	7		თ	5	4-	ω	2		SEQ.	FIRED DEPTH	SEC CON	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		311		CONSC CAST #	R/V Alpha Helix	VESSEL
						(	0	0	20	30	40 4	404	47.3	DESIRED	DEPTH	ID SN	NS O	IP SN	NS	Z			581	DEG		na Helix	
								`					1	ROSETTE POSITION					:				31.63 N	MIN	<u>LATITUDE</u>		
														POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	_	DEG	5	HX287	CRUISE ID
						,	2	φ	7		1			SALT	SAMPI			!	~ 	1	or Or	Local Date & Time	7.78	M	LONGITUDE		:
						74 1	2007	20	445	444	943	942	146	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	II C	w - 6	DAY	DATE JO=	୍ର ପ୍ର	PRC
														CHL. Bot. no.	BERS	FLUOR S/N						U L 0 4	U L 0 4	MO YR		GLOBEC/FOCI	PROJECT & LEG
									:					CHL, VOL.									1600	TR ME	TIME (GMT)		į
												Parol											13.5	(°C)	DRY BULB	-	DSDB I.D.
				:								blems (										<u>.</u>		(°C)	WET BULB		Ç
												E AT		COM						:			1 1	(mb)	PRESSURE SEA STATE VISIBILITY	-	
										:		bottle		COMMENTS									09708	(deg) (m/s)	WIND WIND DIRN. SPD.	-	STAT
		!															MAX. DEPTH =				REMARKS	-	1 1 1 1	*	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
														į Į									N	( <u>a</u> )	ВОТТОМ DEPTH		ŌN
																	3						590		STA. NAME/ID		

bucket	12	11	10	9	<u>∞</u>	7	6	S	4	3	2	_	SEQ. [	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		=	CONSC CAST #	R/V Alpha Helix	VESSEL
													DESIRED	HTA30	NS 0	NS	NS	SS	- 	1		65811	┥_	a Helix	
													ROSETTE									1 1 9	LATITUDE		
								W					ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Loc	- DEC		HX287	CRUISE ID
													SALT			řří		Š			Local Date & Time	. M	LONGITUDE		
													NUTRIENTS	SAMPLE BOTTLE NUMBERS	!   					JD/TIME		7 w 7	DATE		
		!											CHL. Bot. no.	NUMBERS	FLUOR S/N						J U L O	U L O YR	-	GLOBEC/FOCI	PROJECT & LEG
													10. CHL. VOL.		N	-					4	4 45 4 1	TIME (		,
															1							13.2	무	-	DSDB I.D.
														:								- G	WET BULB	1	Ę,
													8							!		7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3	SEA STATE		
			:										COMMENTS									364 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	WIND DIRN.		S
																MAX. DEPTH =	<u> </u>	L_ 	70	REMARKS	_	\$ 5 B 9 b	TYPE	-	STATION DESIGNATION
																TH=			o polle			1 T Z	P 8		ATION
																3			S			3990	STA. NAME/ID		

bucket	12	=	10	9	<b>∞</b>	7	6	s	4	ω	2	-	SEQ.	FIREC	SEC C	PRI CC	SEC T	PRI TE	PRESS SN	SBE 9+			CONSC CAST #	R/V A	VESSEL
*						0:	100	20.	N.	25	50	60	DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	SN	<b>+</b>		1848 /	1_	R/V Alpha Helix	
													ROSETTE POSITION									MN.	LATITUDE		
						$^{\uparrow}$	+	Т	Ų	7	1	X	SITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local D	DEG /	LON	нх287	CRUISE ID
											1		SALT	SAMPL				l	ı	JD/	Local Date & Time	. MN	LONGITUDE		
						454	2.56	952	957	256	246	346	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	 	W - C J	DATE JO=	EL I	PR
													CHL. Bot. no.	ABERS	FLUOR S/I		ļ	1			U L 0 4	U		GLOBEC/FOCI	PROJECT & LEG
													. CHL. VOL									7 × ×	⊣ଞ		
													:									12.9	DRY BULB		DSDB I.D.
									Ē						  - 							. 6	WET BULB		I.D.
							:					:	0									77		- - - - -	'
	T.												COMMENTS									72040	WIND DIRN.		
									:							MAX. DEPTH =		_ <u> </u>	-	REMARKS	-	-43	CLOUD (amt)	5	STATION DESIGNATION
															<u> </u>	EPTH =				KS			WEATHER BOTTOM		NOTTON
																3					i	200	4 STA, NAME/ID	-	
									1													9	WE/ID		

bucket	12	11	10	9	α	7	6	л .	4	ω	2		SEQ. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		11858	CONSC CAST #	VESSEL R/V Alpha Helix
													ROSETTE POSITION									- 7 - 7 - 7 - 7 - 7	LATITUDE	
													OSITION	<b>.</b>	PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local Da	1 2016	LONG	CRUISE ID
													SALT	SAMPLE			1		1	/Or	Local Date & Time	+1 'T. ≥	LONGITUDE	
													NUTRIENTS	BOI FLE NUME	FLUOR S/N					JD/TIME _	J	W 1 6 J	þ	PRO
													CHL. Bot. no.	5	FLUOR S/N			ļ ———		1	U L 0 4	U L O YR		PROJECT & LEG
													CHL. VOL									0 5 3 M	⊣୍ଚି ଧ	
																						7.3	<u> </u>	DSD8 LD.
																							LB	
													COMMENTS									رب م	SEA STATE VISIBILITY	
	:		!										ENTS									φ <del>7</del> φ <del>9</del> 6		STATIC
													!    -  -			MACA. Der itt -	WAY DESTRI			REMARKS		47 08	* CLOUD (amt * TYPE * WEATHER	STATION DESIGNATION
																						SHUP	BOTTOM S	¥
						:						:					3					O P 1 P	STA. NAME/ID	

bucket	12	=	10	9	8	7	6	,	5	4	ω	2	-	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		-	CONSC CAST #	R/V Alç	VESSEL
										0	6	201	52	DESIRED	DEPTH	ND SN	NS GIV	MP SN	NS 4k	SN	1		958/	-	R/V Alpha Helix	1
												ì		ROSETTE POSITION									NIN P	LATITUDE		
														OSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local D	DEG /		HX287	CRUISE ID
										7	4	$\psi$	7	SALT	SAMPLE			[	]	1	JD/TIME	Local Date & Time	· ×	LONGITUDE		
!									ļ	425	557	957	953	NUTRIENTS	BOTTLE NUMB	FLUOR S/N					IME	(m	W DAY	þ	GLO	PROJ
														CHL. Bot. no. (	ERS	FLUOR S/N			1 T	ı	1	U L 0 4	U L O 4 C		GLOBEC/FOCI	PROJECT & LEG
							-							CHL, VOL.									C 5 M	E (GMT)		:
																							2.6	LB L	_	DSD8 I.D.
										-													. (3)	<u>P</u>		
														COMMENTS				 					1 7 T	SEA STATE VISIBILITY		
<u> </u>														ENTS									98 C7	WIND SPD.		STATIC
					-												MAX. DEPTH =				REMARKS		872	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
																	ı						(m)	T 😤		N
																	3						0 6 1 1	STA. NAME/ID		

h	12	1	10	9	80	7	<b>о</b>	s	4	ω	2	-	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		ا ا	CONSC CAST #	R/V Alpha Helix	VESSEL
													DESIRED	DEPTH	NS div	D SN	∮P SN	PSN	Z			24581	-	ha Helix	
													ROSETTE POSITION										LATITUDE		
													POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local C	N 1 S CP (		HX287	CRUISE ID
													SALT	SAMPL				1		מל	Local Date & Time	· S	LONGITUDE		
	:												NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	" -	W 1 6 J	DATE JD=	- IGL	PR
													CHL. Bot. no.	BERS	FLUOR S/N			ŀ			U L 0 4	U L 0 4		GLOBEC/FOCI	PROJECT & LEG
													CHL, VOL.									0 6 7	- <del> </del>		
																						12.4	DRY BULB		OSDB I.D.
									131		:											. 9	WET BULB		P.
													<u>6</u>									10-1	PRESSURE  SEA STATE VISIBILITY		
													COMMENTS									7074468	1	+	127
										:						MAX. DEPTH =	<u>                                       </u>			REMARKS		8	CLOUD (am TYPE WEATHER	t)	STATION DESIGNATION
				:												<del> </del>							БОТТОМ ВЕРТН		NOIT
																a						360612	STA. NAME/ID		

bucket	12	Ξ	10	9	8	7	6	ر.	4	ω	2	_	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		12	CONSC CAST #	R/V Alp	VESSEL
-	Î							ļ.	6	10	0 6	50 1	DESIRED	DEPTH	ND SN	ID SN	WP SN	P SN	ž			DEG M		R/V Alpha Helix	
													ROSETTE POSITION			AT	AI	ST/	DA	TIMES		· · · · · · · · · · · · · · · · · · ·	LATITUDE	HX:	CRI
													TION	1	PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	(ES	Local Da	DEG /	LONG	HX287	CRUISE ID
									4	4	+	7 /	SALT	SAMPL			1	l	1	JD,	Local Date & Time	5 . O 4	LONGITUDE		
									967	125	960	959	NUTRIENTS	E BOTTLE NU						JD/TIME	= 	w 1 6 3	DATE JD.	G	P
													CHL. Bot. no.	SAMPLE BOTTLE NUMBERS	FLUOR S						U L 0	0 Y		GLOBEC/FOCI	PROJECT & LEG
													O CHL. VOL.		Ž						4	4 0 C 2 S	TIME (GMT)		
																						<b>7</b>	DRY BULB		DSD8 i.D.
									9.4													(°C)	WET BULB		.D.
													Q			:	i i					ナ (dw)	SEA STATE		!
													COMMENTS									/ deg	WIND DIRN.		
																MAX, D	<u> </u>	<u> </u> 	-	REMARKS	-	68604 (s/w)	CLOUD (amt)		STATION DESIGNATION
																MAX, DEPTH =				ŘS		2 ("	D B		SNATION
																∍						52001	+		
																						613	STA. NAME/ID		

bucket	12	11	10	9	8 0	7 10	6 20		04 40		2 75	, box	SEQ. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		122586	CAST #	R/V Alpha Helix	VESSEL
													ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	02 N	LATITUDE LO	HX287	CRUISE ID
					OK5	969	896	767	966	965	4%	963	SALT NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	Local Date & Time = J	0 W	LONGITUDE DATE JO-	GL GL	PR
						77	T						CHL. Bot. no. CHL. VOL.	MBERS	FLUOR S/N				-		U L 0 4	L 0 4 / /	TIME (GMT)	GLOBEC/FOCI	PROJECT & LEG
													COMMENTS					Ą				14.2 . 17 200	ORY BULB WET BULB  WET BULB  PRESSURE  SEA STATE  VISIBILITY  (deg)		DSDB I.D.
				(A)												MAX. DEPTH = m				REMARKS		2	WIND CLOUD (amt SPD. CLOUD (amt TYPE WEATHER  (m)  TYPE (m)		STATION DESIGNATION

bucket	12	=	10	9	0	<b>x</b>	7	თ	5	4	ω	2	-1	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		128	CONSC CAST #	R/V Alpha Helix	VESSEL
					<	0	0/	20	30	Oh	SV	75	pert	DESIRED	FIRED DEPTH	ND SN	PS G	MP SN	P SN	¥ 	ı		0 8 S	_	ha Helix	
														ROSETTE POSITION								;	· + 2 × × × × × × × × × × × × × × × × × ×	LATITUDE		
														OSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local Da	DEC 10		HX287	CRUISE ID
						,							1	SALT	SAMPL				1	<b>!</b>	ar	Local Date & Time	· ₩	LONGITUDE		
						246	977	976	27.9	974	473	972	146	NUTRIENTS	E BOITLE NU						JD/TIME	"	W / (6) J	DATE JD.	GL(	PR
							77							CHL. Bot. no.	BERO	FLUOR S/N		[		1		U L 0 4	U MO YR		GLOBEC/FOCI	PROJECT & LEG
														CHL VOL.									1200	TIME (GMT)		
																							/ J (°)	DRY BULB	-	DSDB I.D.
							:			12	:												. 6	E8		
														8									(mb)	SEA STATE		
														COMMENTS									2 0 0 9			ST
																		MAX DEPTH =	_ <u>_</u>		KEMAKAS			CLOUD (amt	5	STATION DESIGNATION
								ļ										TH =					109	D 80		ATION
																		3					ST AC	STA. NAME/ID		
																				$\perp$		_1_		€		

bucket	12	==	10	و	∞	7	6	v	4	ω	2		SEQ	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		12		CONSC CAST #	R/V Alpha Helix	VESSEL
		5	0	0	8	9	7		125	92/	な	邓本	DESIRED	DEPTH	ID SN	NS C	IN SM	SS.	z 	ı		1881	DEG	<u> </u>	ha Helix	
	0	10	20	30	50	犬	100						ROSETTE POSITION									011.33	MIN	LATITUDE		
													POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local Da	2 2- 2-	DEG	LONG	HX287	CRUISE ID
													SALT	SAMP			ı	1	ŀ	or.	Local Date & Time	7.29	MIN	LONGITUDE		
	990	989	988	£86	985	984	983		982	185	980	949	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	II	w/6 3	DAY	DATE JO.	GL/	PR
			77	77				5	7		A.		CHL. Bot. no.	IBERS	FLUOR S/N		1		<b>!</b>		U t 0 4	U L 0 4	MO YR		GLOBEC/FOCI	PROJECT & LEG
		:											CHL. VOL.									1248	HR MIN	TIME (GMT)		
									D D D					:								13.9	(°C)	DRY BULB	-	.O.1 80SQ
									THE YEAR														(°C)	WET BULB		9.
									1 26				<u> </u>									17 +	(mb)	PRESSURE SEA STATE VISIBILITY		
									rad o				COMMENTS		!							1200	(deg) (n	WIND W		ST
									at 125							MAX. DEPTH =				REMARKS	-	2007872	(m/s) * *	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
									7				. Ee			로#						21175		ВОТТОМ ДЕРТН		NOITION
													!	1		∌						STAY	1	STA. NAME/ID		

	12	11	10	9	8	7	6	5 /	4 /	3 /	2	- P	SEQ. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		1250		CONSC CAST #	R/V Alpha Helix	VESSEL
	0	01	20	30	40	95	7	00	25	0.5	元	Port .	RED	ЧH	Z	- 	- 					5758.	DEG MIN	LAT	elix	
												207	ROSETTE									3	_	LATITUDE		
													ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Loc	N 1492	DEG		HX287	CRUISE ID
-													SALT			m		N.			Local Date & Time	25.0	MIN.	LONGITUDE		1
_	1002	1001	1000	999	866	797	996	995	994	993	992	991	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	n	1 w / 6	DAY	DATE	_	
	۲	-range	77	~3	~	7	0			W.	2		S CHL. Bot. no.	NUMBERS	FLUOR S/N	]					ט ר ס	J U L 0	ð	בּ	GLOBEC/FOCI	PROJECT & LEG
													. no. CHL. VOL.		R S/N						4	4 1 4	XX FX	TIME (GMT)	-	EG
_																						1713	MN (°C)	MT) DRY BULB		
									2	÷									:			-				DSDB I.D.
					:				i														(3)	WET BULB		
			:												[   						ļ	8	mb)	PRESSURE SEA STATE	-	
													COMMENTS									144	(deg)	VISIBILITY DIRN.		
							:								1							-0	(m/s)	WIND SPD.	$\perp$	STATIO
																MAX. DEPTH	l			REMARKS		248	*	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
																B						209	(m)	ВОТТОМ ДЕРТН		NOIT
																3						7	-		$\frac{1}{2}$	
												,										44		STA. NAME/ID		

bucket	12	13	10	9	8	7	6	S	4	ω	2	-	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	!	12	CONSC CAST #	R/V Alp	VESSEL
	0	/0	20	S	40	50	χ̈́	100	125	150	大	Bot	DESIRED	DEPTH	ND SN	NS ON	MP SN	P SN	SN			195450.	<u>-</u>	R/V Alpha Helix	
													ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	6.90 N 1492		HX287	CRUISE ID
												1	SALT	SAMPL			!		•	ū	Local Date & Time	8. / C	LONGITUDE		
	1014	1013	1012	1011	1010	1009	1008	1007	1006	1005	1004	1003	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	# 	W OAY	DATE JD=	GLC	PRC
		1)							!				CHL. Bot. no.	BERS	FLUOR S/N			1	i -	•	U L 0 4	MO YR	-	GLOBEC/FOCI	PROJECT & LEG
													CHL. VOL.							:		\(\frac{1}{2}\)	H <u>≅</u>		
																						3	<u> </u>	-	DSDB I.D.
																						. C	<b>6</b>		,
													COM				:					1 7 1 mg/mb/mb/ 1 mg/mb/mb/ 1 mg/mb/mb/ 1 mg/mb/mb/ 1 mg/mb/mb/ 1 mg/mb/mb/mb/mb/mb/mb/mb/mb/mb/mb/mb/mb/mb/	SEA STATE	-	
													COMMENTS									(deg) (m/s)		  -	STAT
																MAX. DEPTH =				REMARKS		872 /2	CLOUD (amt) TYPE WEATHER		STATION DESIGNATION
																3						75746	M STA. NAME/ID		

bucket	12	=	10	9	•	20	7	6	5		4	ω	2	-		SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		127	CONSC CAST #	R/V Alpha Helix	VESSEL
				0	-	ō	20	8	70	) d	8	ス	100	796	-	DESIRED	FIRED DEPTH	ND SN	DSN	AP SN	P SN	Ž	1		57·5	-	a Helix	
							!    -									ROSETTE POSITION									-0 -0 -0	LATITUDE		
																POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local D	14934		HX287	CRUISE ID
																SALT	AMPS			1	1		jo	Local Date & Time	1 F	LONGITUDE		
				1000	1272	1023	1021	1020		25	1018	1017	1016	1015	>>	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME		w / 6 J	DATE JD=	<u>                                      </u>	PRC
						7	7	1				A				CHL. Bot. no.	BERS	FLUOR S/N				!		U L 0 4	-	₹ — ≨	GLOBEC/FOCI	PROJECT & LEG
																CHL. VOL.									9	TIME (GMT)		
																									3.4	DRY BULB		DSD8 1.D.
																										WET BULB	_	
																COM									4	PRESSURE  SEA STATE VISIBILITY		
																COMMENTS									20091	WIND WIND DIRN. SPO. (deg) (m/s)	-	STAT
																				MAX. DEPTH =				REMARKS	<b>87</b> 2	* CLOUD (arr * TYPE * WEATHER	it)	STATION DESIGNATION
																				H					1/2/3/5/1	воттом рертн		Ō
																				3					ST AS	STA. NAME/ID		i

CONNETTIBE   CHIL BOTTLE NUMBERS   CHILBRET STATE   CHI	bucket	20	11 /0	10 20	9 30	8 35	2	+			4 /50	3 175	2 200	, But 229	SEQ. DESIRED ROSET	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		DEG MIN	CONSC LATITUDE	R/V Alpha Helix
DATE   DATE														(	ROSETTE POSITION SALT	VA		AT SURFACE	AT DEPTH	START DOWN	DATA ON		Local Date & Time	N 14940.9	LONGITUDE	HX287
BOT. TO CHL. VOL.  BOT. TO CHL. VOL.  COMMENTS		7035	1034			_	1000	1030	1029	1028	1027	1026	1025	1024	<b>_</b>	WALE BOLLE MOMOR						JD/TIME		- C - M	<b> </b>	I PLUBER
COMMENTS  WET BULB  (*C)				\					_								r Loon JVN	TI HOB C/N					0	0 4		/FOCI
															COMMENTS				мах. дертн =				REMARKS	19 118 718487872	(°C) WET BULLE  PRESSURE  SEA STATE  VISIBILITY  (deg) WIND  RVS  CLOUD (and TYPE  WEATHER	nt)

	bucket	12	=	10	9	œ	7	o	S)			2	-	╂╴	SEO.	FIRED DEPTH	SEC COND	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	S8E 9+		129		CONSC CAST #	R/V Alpha Helix	VESSEL
		0	10	20	30	50	35	00/	150	X	700	225	Tod		DESIRED	НТАЗС	Š 	£ ₹	SN	 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		]	·S	5750	DEG	-	Helix	
													262		ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local D	01. 69 N 1446	MIN DEG	LATITUDE	HX287	CRUISE ID
															SALT	SAMPI			l	1	l	āŗ	Local Date & Time	6.41		LONGITUDE		
		1401	1046	1045	1044	1043	1042	1041	1040	/039	1038	1031	1036		NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	1	6		ᇦ	 	PRC
5				7	17	7									CHL. Bot. no.	ABERS	FLUOR S/N				\ 		U L O 4	U L 0 4	—		GLOBEC/FOCI	PROJECT & LEG
															CHL. VOL								10	7 0	<u> </u>	TIME (GMT)		
							lake								COMMENTS			i	MAX. DEPTH m				REMARKS		2 1 1 2 7 20	DRY BULB WET BULB PRESSURE WIND WIND WIND DEPTH STA. NAME/ID  Or (*C) (*T) (** (deg) (m/s) * * (m)	mt)	DSDB I.D. STATION DESIGNATION

F6 | 4

bucket	12 0			o CV	8 SO	7 75	6 100	s /50	4 12	3 200	2 225	- Box	_	SEO. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	,	130574	DEG	CONSC CAST #	R/V Alpha Helix	VECCE1
												253		ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	-	8. 44 NI		LATITUDE	HX287	CRUISE ID
												7		SALT				≖ !	NWO		o o	Local Date & Time	H9521.177	MIN	LONGITUDE		
1060	1059	1058	1057	1056	1055	1007	1000	1051	105	7050	1049	1049		NUTRIENTS	LE BOTTLE NUMBI	FLUOR S/N					JD/TIME	יונו ו	n r 9/mt	DAY MO	DATE JD=	GL088	PROJE
-														CHL. Bot. no. CHI	ERS	FLUOR S/N		' T	, T	-	T	104	L 0 4 /	≾ ≾		GLOBEC/FOCI	PROJECT & LEG
						-			-	+				CHL. VOL.								-	21/0/15	7 ₹	(GMT) DR		
																							. 3		WE		DSDB I.D.
																13 13 14							11 €	_	-		
														COMMENTS									-	- 2 - -			STA
																		MAX DEPTH =				REMARKS	1	87 2	* CLOUD (am * TYPE * WEATHER	t)	STATION DESIGNATION
												:											7	2505	BOTTOM STA		X
																j		3					(	- A 2	STA. NAME/ID		

bucket	12	=	10 0 5	9 701	0		7 216	6 50.	5 750	4 100.	3 1755	2 150	1~1714	-1-	SEQ. DESIRED ROSETTE POSITION	FIRED DEPTH				PRI TEMP SN ST.	PRESS SN DA	SBE 9+		CAST # LATITUDE  DEG MIN  DEG MIN  ON OTHER PROPERTY OF THE PR	CONTO	R/V Alpha Helix HX287	VESSEL CRL
					N	4	4					7			TION SALT	   	PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON		Local Date & Time	LONGITUDE MIN U.9 59. 8 2 w		287	CRUISE ID
			1070	1001	2/2	8701	1067	1011	1015	1064	1063	1047	1001	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	NUTRIENTS C	SAMPLE BOTTLE NUMBERS						JD/TIME	שונו ו	DAY MO		GLO8EC/FOCI	PROJEC
															CHL. Bot. no. CHL. VOL	RS	FLUOR S/N				· 		0 4	VR HR		C/FOCI	PROJECT & LEG
															VOL. COMMENTS									MIN (°C) (°C) (mb) • • • • • • • • • • • • • • • • • • •	RESSURE SEA STATE VISIBILITY ORN.		DSDB LD.
																			MAX. DEPTH = m				REMARKS	90 .	WIND CLOUD (am TYPE WEATHER BOTTOM STA. NAME/ID	nt)	

0,20,30,40,50

12		10 70 7	26,2	£ 1077	1	7	6 /2 /	724	5 100 1	1254	3 150 5	2 / 0 3	1	1931	ROSETTE POSITION SALT NUTRIENTS CHL. Bot. no. CHL. VOL.	FIRED DEPTH SAMPLE BOTTLE NUMBERS	PAR S/N	AT DEPTH	PRI TEMP SN START DOWN	PRESS SN DATA ON	SBE 9+ TIMES JD/TIME	Local Date & Time	66	DEG MIN DEG MIN OF THE PROPERTY OF THE PROPERT	CATTICLE TO THE MIN (*C) (*C) (mb) * * (deg) (m/s) *	LONGITUDE DATE JO- TIME (GMT) DRY BULB WET BULB PR SE SIBILITY SE	FE Y	ID PROJECT & LEG
															HENTS			MAX. DEPTH = m				REMARKS		5/087	(m/s) (III)	SPUD ( CLOUD ( TYPE WEATHE		

VESSEL	CRUISE ID		PROJECT & LEG	TE6	DSD8 I.D.		<u>-</u>	City	
R/V Alpha Helix	нх287		GLOBEC/FOCI	ă			1		
						ESSURE A STATE	₩ <sub>N</sub> O	OUD (amt	
CAST # LATITUDE		LONGITUDE	DATE JD=	TIME (GMT)	) DRY BULB WET BULB	PRE	DIRN. SPD.	TY WE	STA. NAME/ID
DEG	DEG		DAY MO	YR HR MIN	(°C)	(mb) *	(deg)	• •	-
F	. 26 N 1 501	나 . 2박 w	- 6 - - -	0 4 2 2 1 9	) 13. 0	. 16+	14661	4862 /33	5 7 2
	Local D	Local Date & Time =	16 101	0 4					
SBE 9+	TIMES	JD/TIME	m					REMARKS	
PRESS SN	DATA ON								
PRI TEMP SN	START DOWN								
SEC TEMP SN	AT DEPTH								
PRI COND SN	AT SURFACE						:	MAX. DEPTH =	а
SEC COND SN	PAR S/N	CAMPI F R	CAMBLE BOTTLE NIMBERS	FLUOR S/N					
SEO. DESIRED	ROSETTE POSITION	SALT, NUI	NUTRIENTS CHL B	CHL Bot, no. CHL, VOL.		00	COMMENTS		
. 121			(80)		did not	Same			
. 100			1087	:					
3 75			1083						
03			1801						
196		<u>ナ</u>	280						
4			1801						
		小	1087						
			1088						
					<u> </u>				
· ·									
10									
21									
bucket									

1

	1100			0	12
ii (caker	1095	1		101	=
		1		20,0	ō
	1097	, +		202	9
	1096			502	00
bia koker	1095			751	7
	1094			100	6
	1093	1	`	125	5
	1097	\		150	4
	1091			1751	з
	1090			2001	2
	1089			237	_ [
CHL. Bot. no. CHL. VOL.	NUTRIENTS CHL.	SALT	ROSETTE POSITION	DESIRED	SEQ.
	SAMPLE BOTTLE NUMBERS	SAMPL		FIRED DEPTH	FIRE
₩ S/N	<b>P</b>		PAR S/N	NS CM	
MAX. DEPTH = m		1	AT SURFACE	SEC LEMP SN	SEC 1
		1	START DOWN	PRI TEMP SN	PRI TI
		1	DATA ON	S SN	PRESS SN
REFLANNA	JD/TIME	JD,	TIMES	Ť :	SBE 9+
O 4	- J U L	Local Date & Time	Local D		
5184/0872	DAY MO	5.94	. 98 N 15065	DEG MIN	[ 3
TIME (GMT)  ORY BULB  WET BULB  PRESSURE  * SEA STATE  VISIBILITY	þ	LONGITUDE	j		CONSC CAST #
	GLOBEC/FOCI		HX287	VESSEL R/V Alpha Helix	VESSEL R/V Alpi
EG DSDB I.D. STATION DESIGNATION	PRO IFCT & LEG				

COUNTINGE   CONSTITUCE   CONS	bucket	12	=	ő	9	a	•	7	6	5	4	ω	2		SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		<u>.</u>	CONSC	R/V Alp	
CRUSE ID   PROJECT & LEG   P															DESIRED	DEPTH	NS ON	DSN	AP SN	P SN	ž 		· ·	55 pg	i	na Helix	
DOMESTIDE   DATE D   THE (GAT) DAY BLES WET BILLS SUBJECT WAYN   DAY   MAN   DAY															ROSETTE F									. 9 2			
DATE D-   THE (OMT)   DAY   BLUON SYN   THE (OMT)   DAY   BLUON SYN   THE (OMT)   DAY   BLUON SYN   THE (OMT)   DAY   BLUON SYN   THE (OMT)   DAY   BLUON SYN   THE (OMT)   DAY   BLUON SYN   THE (OMT)   DAY   BLUON SYN   THE (OMT)															OSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local Da	) 5 <del>Q</del>		HX287	CRUISE ID
DEPTH   DAY BLLE WET BULE   RELECTION DESIGNATION   STATION DESI														<u> </u>	SALT	SAMPL			ı	1	i	ρ	ite & Time	· \ \\\\\\_			
DEPTH   DAY BLLE WET BULE   RELECTION DESIGNATION   STATION DESI															NUTRIENTS	E BOT ICE NO						TIME	E	¥ ← ←	DATE JO-	GL	PR(
DEPTH   DAY BLLE WET BULE   RELECTION DESIGNATION   STATION DESI															CHL. Bot. no	MBERO	FLOOR SA						L 0	U L O 4	•	OBEC/FOCI	DJECT & LEG
COMMENTS  COMMEN															CHL. VOL									3 2	4252 TIME (GMT)		
WET BULB PRESSURE  (C) (mb) SEA STATE VISIBILITY DIRN. SPD. CLYPE BOTTOM DEPTH  REMARKS  REMARKS  REMARKS  COMMENTS  COMMENTS  COMMENTS																								.   <sup>2</sup>	DRY BULB		0.1 90SG
COMMENTS  COMMEN																								. (c)	WET BULB		
WIND WIND OUD DESIGNATION  THE COMPANY OF THE STREET STREE														1	8									is .	SEA STATE		
DEPTH - DEPTH BOTTOM DEPTH BOTTOM DEPTH BOTTOM DEPTH D															MMENT'S										<u> </u>		ST
(E) HALAW WOLLD (S) (S) (S) (S) (S) (S) (S) (S) (S) (S)													!						MAX. DEP	<u> </u> 			ABMABA		CLOUD (am	1)	ATION DESIGNA
																			TH.			•					ATION
																			3						pbd7		

2000
2 2 6 6
30 41 6
40.0
0 0
101
1000
150
1950
200
250-
2754
BM 300-
DESIRED ROSETTE POSITION
FIRED DEPTH
SEC TEMP SN AT SURFACE
SBE 9+
@ @
DEG MIN DEG
R/V Alpha Helix HX287
VESSEL CRUSE ID
CRUSE HX287

bucket	12	٥	10	ď	,	ω	7	5	5	 •	ω	2	<u></u>		SEQ. DE	FIRED DEPTH	SEC COND	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	28E 3+	3		74		CONSC CAST #	R/V Alpha Helix	VESSEL
	   								-						DESIRED	DEPTH	ž								8 8		LATITUDE.	elix	:
															ROSETTE POSITION	İ									0 1		TUDE:		
															OSITION		PAR S/N	Al soniace	AT DEPTH	START DOWN	DATAON	2	TIMES	Local C	1500	, DEG	LON	HX287	CRUISE ID
															SALT	SAMPL			1	1	-		/Gr	Local Date & Time	. R		LONGITUDE		
														     	NUTRIENTS	SAMPLE BUTTLE NUMBERS							JD/TIME	-	W 1 7 J	DAY	þ	GTO	PRO
															CHL. Bot. no.	DENJ	PERC PLANT	E1 100 C/N	-		1			U L 0 4	0		<u> </u>	GLOBEC/FOCI	PROJECT & LEG
															CHL, VOL										7	03/20	TIME (GMT)		
															   											12 6	DRY BULB		D\$08 i.D.
																										$\dashv$	WET BULB		
															COM		i								Ţ	1 45 % (	* SEA STATE * VISIBILITY	_	
															COMMENTS										-  -  -  -	C	WIND WIND DIRN. SPO. (deg) (m/s)		STATI
			İ				:	}											MAX. DEPTH =		1 40	20	KEMAKAG	2000		80 67	* CLOUD (an * TYPE * WEATHER	nt)	STATION DESIGNATION
																			9		VA(Fluor)		1001			272	воттом (т)		¥
																			3		301 Ke	- 0	Λ			N C C 4	STA. NAME/ID	, []	

2. 238 3. 200 4. 175 5. 150 6. 100 6. 100 6. 100 6. 100 6. 100 7. 50 6. 119 8. 20 7. 50 8. 20 7. 50 8. 20 7. 50 8. 20 8.	230 175 200 200 175 200 100 100 100 100 100 100 100 100 100
230 200 200 200 200 200 200 200 200 200	X 235 / 1/12 better samples 230 2 / 1/12 175 3 / 1/15 175 4 / 1/15 10 5 / 1/19 10 5 / 1/19 10 5 / 1/19
230 175 200 200 200 200 200 200 200 200 200 20	200 2 100 2 100 5 10 3 10 3 10 4 10 4 10 4 10 4 10 4 10 4 10 4 10 4
175 2 175 2 100 5 10 8 10	175 3/ 100 5/ 10 8/ 10 8/ 10 8/ 10 8/ 10 8/
100 d d d d d d d d d d d d d d d d d d	4 100 81 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
100 5/ 10 8/ 10	100 8/1 X 11/1 X
10 80 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 80 1 X 11 X 11 X 11 X 11 X 11 X 11 X
0 9/ 4/	10 8 0 1
0 9/ 4/	0 9/
0 9/	0 9/

F - 24

bucket	12	11	10	9	œ	7	σ	5	4	ω	2	 SEQ. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		DEG (4.2)	CAST #		R/V Alpha Helix	VESSEL
												ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Locai	NIM PAG OF IN TO BE	LATITUDE LON		HX287	CRUISE ID
												SALT NUTRIENTS	SAMPLE BOTTLE						JD/TIME	Local Date & Time =	Ф. 73 w 17				
												CHL. Bot. no.	NUMBERS	FLUOR S/N			 		<u> </u>	J U L 0 4		J0=	<u>_</u>	GLOBEC/FOCI	PROJECT & LEG
												CHL. VOL									4561217	(GMT) DR	Shho		DSDB LD.
												COMMENTS									. 116373	WET BULB PRESS WIND PRESS WIND	TATE		LD.
																MAX. DEPTH = m			No Samples	DEMARKS	\$7862	* TYPE	JD (am	t)	STATION DESIGNATION

CRUSE D   CRUS	bucket	<del>~</del>	=-	<u> </u>	9		20	7	o.	5	4	-	u .	2			SEO.	FIRED	SE CO	PRI COND SN	SEC TE	PRI TEMP SN	PRESS SN	SBE 9+		<del>1</del>	-	CAST #	3	R/V Ala	VESSEL
COUSE ID   PROJECT ON   PROJE				0	111	7 7	2	30	9.5	75	100	10	,	145	051		DESIRED	DEPTH	ND SN	NS ON	MP SN	NS &	<u>\$</u>			27	DEG .			ha Helix	
CONSTRUCT   PATE   PA				2	X	2	7	61	25	1	7/ /	21	1	1	X		ROSETTE									. 02		ATITUDE.			
PROJECT & LEG   DSDB LD.   STATION DESIGNATION DESIGNATION   STATION DESIGNATION DESIGNATION DESIGNATION DESIGNATION DESIGNATION DESIGNATION DESIGNATION DESIGNATION DESIGNATION DESIGNATION DESIGNATION DESIGNATION DESIG																	POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local i	150		Lō,		HX287	CRUISE ID
BOT. DO. CH. VOL.  BOT. DO. CH. VOL.  BOT. DO. CH. VOL.  BOT. DO. CH. VOL.  BOT. DO. CH. VOL.  BOT. DO. CH. VOL.  COMMENTS  DO. CH. VOL.  COMMENTS  STATON DESIGNATION  STATON DESIGNATION  STATON DESIGNATION  AMX. DEPTH  REMARKS  REMARKS  STATON DESIGNATION  STATON DESIGNATION  AMX. DEPTH  COMMENTS  COMMENTS  COMMENTS				4		1	4	4	1								SALT	SAMPI			I	1	i	JD,	Date & Time	0	¥	эдитов			
DEPTH   SEA STATE   SEA STAT				1131		//30	1129	1128	1127	1125	131	1135	7 61.	1.123	1122		NUTRIENTS	E BOTTLE NUM						TIME		1	ر کې ل	DATE JO-		GLC	PRO
STATION DESIGNATION   STATION DESIGNATION DESIGNATION   STATION DESIGNATION   STATION DESIGNATION DESIGNATION   STATION DESIGNATIO																	CHL. Bot. no.	BERS	FLUOR S/N				1		10	 	, <del>,</del> , <del>,</del> ,	_		)BEC/FOCI	JECT & LEG
WET BULB PRESSURE  (°C) (mb) * SEA STATE  (Geg) (m/s) * CIYPE  REMARKS  COMMENTS  COMMENTS  COMMENTS  COMMENTS  COMMENTS  COMMENTS  COMMENTS																	CHL. VOL									2	7 3	TIME (GMT)			
TATION DESIGNATION  WET BULB  PRESSURE  SEA STATE  VISIBILITY  DIRN.  SPD. CLOUDE  WEATHER  DEPTH  REMARKS  COMMENTS  COMMENTS  COMMENTS  COMMENTS																1												DRY BULB		-	DSD8 1.0
STATION DESIGNATION  SEA STATE  VISIBILITY  OMN.  SPD.  CLOUD (amt)  TYPE  CHARKS  REMARKS  REMARKS  REMARKS  REMARKS  OMN.  STATION DESIGNATION  OF THE CHARKS  OF THE CHARKS  OF THE CHARKS  OF THE CHARKS  OF THE CHARKS																											$\dashv$	1			
REMARKS  REMARKS  REMARKS  REMARKS  REMARKS  REMARKS  REMARKS																	CO									L	31	* SEA ST	TATE		
WARKS  WEATHER  OEPTH  (m)  (m)  (m)																	MENTS										2000		·		STA
(m) 75																				2000	MAX DEP				REMARKS		mi	* CLOUG		<u>&gt;</u>	TION DESIGNA
																											//5/	BOTTOM DEPTH	15		NOIT
STA. NAME/ID			:							1									-  -		3						00	STA. NAME/ID	pbd5		

PG \_\_ Q+ \_\_

bucket	12	=	10	9	000	, .	7	o,	<b>ω</b>	<b>-</b>	3	2	 , [   	SEQ. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	S8E 9+		14158	DEG	CONSC CAST #		R/V Alpha Helix	VESSEL
														ROSETTE POSITION		PAS	7, 20	AT DEPTH	START DOWN	DATA ON	TIMES		11 . 34 N 1 49		LATITUDE	<u>.</u>	нх287	CRUISE ID
				-	-									SALT	SAN	PAR S/N		TH -	DOWN	ž		Local Date & Time	959.42	] 	LONGITUDE			0
														NUTRIENTS	SAMPLE BUT ILE NUMBERS	- CONTRACTOR					JD/TIME		₩ - -	) A	DATE JO=		GLOE	PROJ
														CHL. Bot. no.	500	DEDC TOOK OF IT	N/S dOI IS		!			U L 0 4	0 4	72	<del> </del>		GLOBEC/FOCI	PROJECT & LEG
														CHL. VOL									7		(GMT)	8653		
							:																-	(5) <b>(c</b>	LB WE			DSDB I.D.
																;  <u> </u>  :  -	l						7	1 5 3	PRES	SURE STATE		
														COMMENTS										11156	$\top$	,		STA
														: 				MAX. DEPTH =		-	No bo	REMARKS	ŀ	00	* CLO * TYP * WE/	UD (an E ATHER	nt)	STATION DESIGNATION
														 							No bottles			122 0	DEPTH ST			z
																		3						00	STA, NAME/ID	pessa	7	

bucket				7	4)	4	1	X			SAMPLE BOTTLE NUMBER	PAR S/N	Ž	PRESS SN DATA ON	Local Date & Time =   J U L 0 4	9 5 5 . S 7 W 1 7 J U L 0 4 0 60 / 12	LONGITUDE DATE JD= TIME (GMT) DRY BULB		HX28/	ha Helix		CRUISE ID  CRUISE ID  PROJECT & LEG  GLOBEC/FOCI	CRUISE ID PROJECT & LEG  HX287 GLOBEC/FOCI	CRUISE ID PROJECT & LEGGED PROJECT & LEG	CRUISE ID HX287	DEG   MIN   DATE JD=   TIME (GMT)   DRY BULB	SY SY SY SY SY SY SY SY SY SY SY SY SY S
								m hom rottom	on the popular triument	COMMENTS					REMARKS	5 723 098+4 197 UPE	(mb) PRESSUE SEA STA VISIBILIT ORN. SPD. CLUMEN OEPTH OEPTH (m)  * WEATH	֡֡֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜	(amt	(amt)	(amt)	(amt)	(amt)	(amt)	STATION DESIGNATION  STATION DESIGNATION	(mb) PRESSUR  SEA STA  SEA STA  VISIBILIT  (deg) (mvs) CLI YPE  TYPE  TWEATH  MAX. DEPTH	CONGITUDE   DATE JD=   TIME (GMT)

bucket	12	=	ī	9	α	)	7	6	G	4	Cui	•	2	 _#_	SEQ. DESIRED	FIRED DEPT!	SEC COND SN		PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		1430	/ [윤	CONSC CAST #		R/V Alpha Helix	VESSEL
																									· + · • 6	· Kil	LATITUDE			
															ROSETTE POSITION		FAN 3/11	OAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES		6 N 1 H 7 7 7 1		15		HX287	CRUISE ID
				+											SALT	0					z 	!	JD.	Local Date & Time	7 . 07	λ Σ	LONGITUDE			
						-						<del></del>		- 	NUTRIENTS		SAMPLE BOTTLE NUMBERS						JD/TIME	-	W 1 7 3	ָ ט אַ	_  -  -		le Lo	PRO
												-0			CHL. Bot. no.		BERS	FLUOR S/N		<u> </u>	\ 			U L 0 4	C	· 5	5		eroseo roci	PROJECT & LEG
															CHL, VOL									-	- 14	0625	(GMT)	<b>\$621</b>		
																		i i							-	2	DRY BULB W			DSDB (.D.
														ı												_	WET BULB E	SSURE		
									, 						COMMENTS											ىن لىـ	* SE/	A STAT		
															NIS											10	DIRN. SPD. (deg) (m/s) *			STATION
																			2000	MAY DEPTH =				REMARKS		862	* TY	PE EATHER		STATION DESIGNATION
																				_						180	┼-		0X TT	
																				3						0110	STA. NAME/RU			

0,1070,30

bucket	12	10	· O	8	7	6	200	+	+		2 504	1 75	╢	SEO. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	S8E 9+		1185411	DEG		R/V Alpha Helix	VESSEL
														ROSETTE POSITION		PAR S/N	AT SURFACE	АТ ДЕРТН	START DOWN	DATA ON	TIMES	Local (	6.71N1495	DEG	LATITUDE LON	HX287	CRUISE ID
						1		1	۲.	1		-		SALT	SAMPL			!	_ 	-	Δŗ	Local Date & Time	5.92W	MZ	LONGITUDE		
						11.70			,	,137	1136	1155		NUTRIENTS	SAMPLE BOTTLE NUMBERS	i  -   					JD/TIME	- 16 J	.   -	,   <del>}</del>	DATE JD=	GLO	PRO
														CHL. Bot. no.	BERS	FLUOR S/N		-,	1	1		U L 0 4	U F 0 4	MO YR		GLOBEC/FOCI	PROJECT & LEG
														CHL, VOL								1	0647	- F	(GMT)		
									20														2 . 4		LB		DSDB I.D.
									mol c	F															LB B		
							i		1080					COMMENTS									0.	11	* SEA STATE * VISIBILITY		
														ENTS									11/1/1/	00 7 0	WIND SPD.		STATIO
																		MAX. DEPTH =				REMARKS	1	47	* CLOUD (and * TYPE * WEATHER	nt)	STATION DESIGNATION
																į							0	3 2 4 0	BOTTOM S		2
																		3						1100	Phd 3		

PG \_\_\_ O+ \_\_\_

bucket	12	=	10	9	8	7	6	s	+	. (	u l	2		SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		- 4	CONSC CAST #	R/V Alpha Helix	VESSEL
	0	10	20	30	50	54	100	52/	726	5	X	200	007	DESIRED	FIRED DEPTH	NS GN	D SN	AP SN	P SN	ž			5 PEG		ha Helix	
													236.5	ROSETTE POSITION									-9 MM	LATITUBE		
														SITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local Da	15005	LONGITUDE	HX287	CRUISE ID
													7	SALT	SAMPLE			1			JD/TIME	Local Date & Time	. 94 W	TUDE		
	1130	1151	1150	1147	1148	1144	27.11	114	1145	1144	1143	1142	1141	NUTRIENTS	SAMPLE BOTTLE NUMBERS						ime.		DAY MO	þ	GLOB	PROJE
			7	1 1	)						15			CHL. Bot. no.	8	FLUOR S/N			1	<u> </u>	_	L 0 4	C X	-	GLOBEC/FOCI	PROJECT & LEG
														CHL. VOL.									02 1	[ (GMT)	-	
																							7.6	<u> </u>	-	DSD8 1.0.
																							. 9	<u> </u>		
														COMMENTS		-  -  -  -								PRESSURE  SEA STATE  VISIBILITY		
														IENTS										WIND WIND DIRN. SPD. (m/s)		STATI
																		MAX. DEPTH =				SAGVINSO	2	* CLOUD (am * TYPE * WEATHER	υ	STATION DESIGNATION
														!		  -  -		H					240	воттом рертн		ŌN
													:					a					090	Pbd 8		

bucket	12	=	10	9	∞	7	6	5	4	3	2	 SEQ. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		146580	-	R/V Alpha Helix	VECCE!
												ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES		OS N /SC	LATITUDE	HX287	CRUISE ID
												SALT			ACE	I	OWN		JC	Local Date & Time	5003.72 w	LONGITUDE		
											(3)	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	- U U	7 C M	- p	GLOBE	PROJE
												CHL. Bot. no. CHL	3	FLUOR S/N		\ -\	T	Т	7	L 0 4	0 4 0 9	<u> </u>	GLOBEC/FOCI	PROJECT & LEG
												CHL. VOL								14-7	8	TIME (GMT) DRY BULB	-	D
					1			2 2			ر										U.	NET BULB		DSD8 I.D.
					7	> = = = = = = = = = = = = = = = = = = =		5				COMMENTS										PRESSURE  SEA STATE  VISIBILITY		
			    -   									IENTS				3						WIND WIND DIRN. SPD. CLOUD (an	nt)	STATION
														     		MAX. DEPTH =				REMARKS	23	* TYPE  * WEATHER  (m)  DEPTH  ONLY		STATION DESIGNATION
																т					7 UP1012	DM STA. NAME/ID		

bucket	12	11 20	10		, Ho	8 60	7 /00	6 /50		$\dashv$	_	3 250	2 275	- P	II	CEO DESIREO	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		14758	DEG	CONSC CAST #	R/V Alpha Helix	VESSEL
	0	0			0_					2 \				799.5		ROSETTE POSITION									015 . 414 N	MIN	LATITUDE		
															-	<del>- </del>		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local Date & Time	150102	_	LONGITUDE	HX287	CRUISE ID
										j				5		SALT	SAMPLI					1	JD/TIME	e & Time	. 84	<u>₹</u>			
	L.	COLL	111.2	- 11.2	10	1100	157	100	1221	157	1156	25	25	1153		NUTRIENTS	BOTTLE NUM	į					IME	-	W - +		្រុំ	GEO	PRO
				77												CHL. Bot. no	SAMPLE BOTTLE NUMBERS	FLUOR S/I				!		U L 0 4	U L 0 4		-	GLOBEC/FOCI	PROJECT & LEG
																CHL. VOL.									0		⊣ଞ୍ଚି		
				_												·									0	/2 0	DRY BULB		DSDB I.D.
																									-		WET BULB		Þ
																									1/11/1		PRESSURE  * SEA STATE  * VISIBILITY		
											:					COMMENTS									-  -  -  -	+-1	WIND DIRN.		S
																  - 			}	MAX.				REMARKS		<u>                                     </u>	SPD. CLOUD (at		STATION DESIGNATION
			!																	MAX. DEPTH =				XX		2 306	* WEATHER BOTTOM DEPTH (m)		SNATION
																				Э				ļ		Q 2 D	<u> </u>	')	:
																										3	STA. NAME/ID	\ <u>\</u>	

bucket	12	1,1	10	٥	co		1	Ď.	Λ .	w	2	┸	SEQ. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		0	DEG		R/V Alpha Helix	VESSEL
													ROSETTE POSITION		PAR S/N_	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local D	. 10 N 1500	DEG		HX287	CRUISE ID
													SALT	SAMPLE					1	JD/TIME	Local Date & Time =	. 9 I w	ME	LONGITUDE		
												    	NUTRIENTS	SAMPLE BOTTLE NUMBERS						ME	טונו	1710	DAY	DATE JD-	GL081	PROJE
													CHL. Bot. no.	85	FLUOR S/N		· ·	<u>'</u>	·		L 0 4	L 0 4	× ×		GLOBEC/FOCI	PROJECT & LEG
													CHL. VOL.									1048	HR MN	TIME (GMT)		ı
						2							COMMENTS									12.15	(C) (mo)	PRESSURE  SEA STATE  VISIBILITY  CARO  VISIBILITY  CARO  VISIBILITY		DSDB LD.
								6	,								MAX. DEPTH = m				REMARKS	1 V 1 V 1 V 1 V 1 V 1 V 1 V 1 V 1 V 1 V	7	WIND DEPTH STA. NAME/ID  WIND DEPTH STA. NAME/ID	nt)	STATION DESIGNATION

bucket	12	11	10	9	8	7	6	5	4 3	2		SEQ. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	,	DEG C		VESSEL
												ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local D	DEG DEG		CRUISE ID
												SALT NUTRIENTS	SAMPLE BOTT			1			JD/TIME	Local Date & Time =	W Y	LONGITUDE DATE	
												ENTS CHL. Bot. no.	LE NUMBERS	FLUOR S/N						J U L 0 4	7 MO YR	=Qr 3J	PROJECT & LEG GLOBEC/FOCI
												CHL VOL									15 MN		
											9										(5)	JLB WE	DSDB I.D.
							The second					COMMENTS									1 4 1	PRESSURE SEA STATE VISIBILITY	
								900	タ			ENT'S				MAX				Mad		SPO. WIND	STATION DESIGNATION
														     		MAX. DEPTH =				REMARKS	2	* TYPE  * WEATHER  BOTTOM  DEPTH	NA ION
																Ð					01006	STA. NAME/ID	

P6 - UF -

bucket	12	11	10	9 0	8 10			000			3 /00	2 125	box	Service Sections	SEO DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	S8E 9+		185 151	┦_	R/V Alpha Helix	VESSEL
													Shi		ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	0.06 N149 59	UDE	HX287	CRUISE ID
				16 1/	1 00	3	1179	8411	1177	176	灵	7411	2411		SALT NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	Local Date & Time	- 90 w 17	LONGITUDE DATE JD-	[6	P
								7					5		CHL. Bot. no. CHL. VOL	UMBERS	FLUOR S/N						J U L 0 4	Г 0 4	TIME (G	GLOBEC/FOCI	PROJECT & LEG
															OL COMMENT'S				MAX. DEPTH = m				REMARKS	3/12.5 1.114 1/60/12 14 1/5008187	ORY BULB WET BULB PRESSURE  SEA STATE  VISIBILITY  VISIBILITY  (C)  (C)  (TD)  * VISIBILITY  (deg)  (m/s)  * UEATHER  (1)	mt)	DSDB I.D. STATION DESIGNATION

bucket	12	11	10	φ	00	7	6	5	4	ω	2			FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	i i	002	CONSC CAST #		R/V Alpha Helix	VESSEL
													DESIRED	HTM30	) SN	SS	SX.	SS.	1			258	c	-	Helix	
													ROSETTE POSITION		74	AT SL	AT DEPTH	STAR	DATA ON	TIMES		3 4 v	ATITUDE		HX287	CRUISE ID
											+	-			PAR S/N	AT SURFACE	PTH	START DOWN	Q	0,	Local Date & Time	4959	LONGITUDE			5
													SALT	SAMP			ı	1	ļ	Jo.	e & Time	. NN	390			
													NUTRIENTS	LE BOTTLE NUM	FLUOR S/N					JD/TIME	-	₩ DAY	ង		GLO	PRO
													CHL. Bot. no.	BERS	FLUOR S/N		-	<u> </u>	1	<del> </del>	U L 0 4	C MO			GLOBEC/FOCI	PROJECT & LEG
													CHL VOL.									2 3 3	(GMT)			
								$\supset$	100				COMMENTS									7336	JLB WET BULB PR SE SI SIN WIND  * * (dea)	STATE		OSDB LD.
																	MAX. DEPTH = m				REMARKS	2 2	TYP	UD (an E ATHER		STATION DESIGNATION

DATE JD.  TIME (GMT) DRY  MIN DAY MO YR HR MIN (C)  DOCAL DATE & TIME (GMT) DRY  DOCAL DATE & TIME (GMT) DRY  DOCAL DATE & TIME   J U L O 4 1 2 5 8 1 2  DOTIME  N  SAMPLE BOTTLE NUMBERS  SALT NUTRIENTS CH Bot. no. CH VOL.  1186	bucket	12	=	10	9	8		7	6		1	30	50	~ 33	516 year -		SED DESIRED ROSETTE POSITION	FIRED DEPTH		-	SN	Ž	SBE 9+		DEG MIN N N N N N N N N N N N N N N N N N N	CONSC LATITUDE	VESSEL PARTIE PA	
TIME (GMT) DRY BULB WET BULB WET BULB PRESSURE  12.6 (°C) (°C) (mb) PRESSURE  14. VISIBILITY  VISIBILITY  COMMENTS  COMMENTS							,									-	SAL			AT DEPTH	START DOWN	DATA ON	TIMES JD/	Local Date & Time	·	1	HX287	"PI IISF ID
ORY BULB  (°C)  (°										1191	186	1195	1184	581	7811		NUTRIENTS CHL. Bot. no. C	E BOTTLE NUMBERS	FLUOR S/N_				TIME	וווער פו	17 JUL 0 4	5D	GLOBEC/FOCI	PROJECT & LEG
(m) (m) MOTTOM BOTTOM																				MAX DEPTH =				REMARKS	5812.61.14 713611 87	ORY BULB  (°C)  (°C)  (mb)  PRESSURE  * SEA STATE  * VISIBILITY  ORN.  SPD.  (rvs)  * CLOUD (and and and and and and and and and and	nt)	Uodo .p.

bucket	12	1:1		10	9	00	7	6	ن.	4	ω	2	 SEQ. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	S8E 9+		KY   5K	DEG	CONSC CAST #	R/V Alpha Helix	VESSEL
													ROSETTE POSITION		PAR S/N.	DAD CAN	AT DEPTH	START DOWN	DATA ON	TIMES	Local	312 1 1 1 1 1 1 1 1 2 2 3 3 3 3 3 3 3 3	. DEG	LATITUDE LO	HX287	CRUISE ID
			_										SALT	Solution CC			-	z		JD/TIME	Local Date & Time	57.13w	>	LONGITUDE		
													NUTRIENTS	0.1	ROTTI F NUM					M	-	1 7 1		DATE JD=		PRO
													CHL, Bot, no.		BERS	FLUOR S/N					U L 0 4	U L 0 4			GLOOP OF	PROJECT & LEG
													CHL. VOL.			~						ا ا ا	) z	ન <u>ે</u>		
							0		9				COMMENT									9	0417	WET BULB PRESSUR SEA STA VISIBILIT DIRN.	ΓE	DSDB LD.
										7							MAX. DEPTH = m				REMARKS		2	WIND DD WEATHER BOTTOM STA. NAME/ID DEPTH STA. NAME/ID		STATION DESIGNATION

bucket	12	3	10	9	80	7	6	S	4	ω	2	 SEQ. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		155581		VESSEL
												ROSETTE POSITION		PAR S/N	AT SURFACE	АТ ОЕРТН	START DOWN	DATA ON	TIMES	Local	6.69 N 1495	UDE	CRUISE ID
												SALT NUTRIENTS	SAMPLE BOTTLE NUMBERS					!	JD/TIME	Local Date & Time =	1 M S & . S	LONGITUDE DATE	
												ENTS CHL. Bot. no.	TLE NUMBERS	HLUOK S/N						J U L 0 4	U P	TE JD=	PROJECT & LEG
												CHL. VOL.									1058	TIME (GMT) DRY	
												COMMENTS				MAX. DEPTH = m				REMARKS	2.3 . 114 7180111872 55UPIDITI	WIND WIND (an DIRN. SPD. CLOUD (an TYPE WEATHER BOT OF THE COLOUD (AT TYPE WEATHER OF THE COL	DSOB I.D. STATION DESIGNATION

84 SEC COND SN
FIRED DEPTH SBE 9+ VESSEL R/V Alpha Helix SEC TEMP SN PRI TEMP SN PRESS SN PRI COND SN bucket CAST # SEQ. DESIRED 72 ᇹ 156158021. 24 300 500 200 50 50 00 0 0 0 LATITUDE 04 N 14 846. ROSETTE POSITION CRUISE ID AT DEPTH DATA ON TIMES HX287 START DOWN AT SURFACE PAR S/N Local Date & Time LONGITUDE SALT 4 W SAMPLE BOTTLE NUMBERS JD/TIME NUTRIENTS 195 まれ DAY 197 1193 192 9 189 200 20 <u>\_</u> GLOBEC/FOCI PROJECT & LEG J U L 0 4 1 7 50 ₹ ⊂ CHL. Bot. no CHL. VOL FLUOR S/N 0 4 ž 픘 TIME (GMT) <u>S</u> DRY BULB W 6 Ĉ DSD8 I.D. WET BULB 3 Hred (mb) PRESSURE S SEA STATE VISIBILITY 9 COMMENTS DIRN. 6010872 000 STATION DESIGNATION SPD. CLOUD (amt) REMARKS MAX. DEPTH = TYPE WEATHER BOTTOM DEPTH 695PBX 1 STA. NAME/ID 3

PG \_\_\_ U+ \_\_

ď.

CRUSE D  ROSETTE POSTION  CRUSE D  ROSETTE POSTION  CRUSE D  ROSETTE POSTION  SALT  ROSETTE POSTION  ROSETTE POSTION  SALT  ROSETTE POSTION  SALT  ROSETTE POSTION  SALT  ROSETTE POSTION  ROSETTE POSTION  SALT  ROSETTE POSTION  SALT  ROSETTE POSTION  ROSETTE POSTION  SALT  ROSETTE POSTION  ROSETTE	bucket O	4	4	25	900	2		7 50	6 K	5 /00	4 150	3 7.00	2 300	1 Fox	SEQ. DESIRED	-	FIRED DEPTH	350	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		157586	DEG DEG		R/V Alpha Helix	VESSEL
DOMESTICE DATE DOWN THE GOAT DAY AND THE GOAT DAY BALE WET BLES SOCIAL WIND WAND OF STRANTON DESCRANTON  SALT NUTBENTS OF BOTH BANKS  SALT NUTBENTS OF BOTH AND ON THE BOTH BANKS  SALT NUTBENTS OF BOTH AND ON THE BOTH BANKS  SALT NUTBENTS OF BOTH BA														408	ROSETTE POSIT				ΑT	AT I	STA	DAT	TIM		5 8 z	-		нх2	CRUI
PRODECT & LEG  GOBECTOC:  THE (SMT) DRY BLLB WET BLLB SSUSSET STATE  ON 174 JUL 1 0 4 1 9 3 3 12 . R 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																				DEPTH	RT DOWN	NO A.	ES	Local Date & Tim	· +	X Z	•	87	SE ID
DSDB LD.  DSDB LD.  DSDB LD.  DSDB LD.  DSDB LD.  DSDB LD.  DSDB LD.  DSDB LD.  DSDB LD.  DSDB LD.  DSDB LD.  SEA STATE  THAP OF SEA STATE  THAP O				1											┺		WPLE BOTTLE NUMB						JD/TIME	-	w \ 7 J	$\top$	]p	СГОВ	PROJ
DSDBILD.  DSDBILD.  DSDBILD.  DSDBILD.  WET BULLE WIND WIND WIND WIND WIND WIND WIND WIND																	ERS	FLUOR S/N				\\ 		L 0	L 0 4 1 1	**************************************		EC/FOCI	ECT & LEG
WET BULB PRESSURE  (*C) (mb) PRESSURE  * SEA STATE  * VISIBILITY  (deg) (mvs) * CLOUD (amt)  TYPE  PREMARKS  REMARKS  REMARKS  REMARKS  OMMENTS  COMMENTS  COMMENTS  COMMENTS				-			J.					1			C										1211	) <sup>2</sup>	<del> </del>		DSDB
SEA STATE  * VISIBILITY    deg)   mvs   spp. doub (amt)						/	200	7																					LD.
REMARKS  REMARKS  REMARKS  REMARKS  REMARKS  REMARKS  REMARKS  REMARKS  REMARKS  REMARKS  REMARKS  REMARKS  REMARKS  REMARKS  REMARKS  REMARKS					A STATE AND	# C. S	all to									COMMENT									,	4	* SEA STATE * VISIBILITY		
(a) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c							0	1		TOPIC	2	Jan.	3			S			200	**				REMARI		1 2 2 3 7	SPD. VIND  * CLOUD (am  * TYPE	t)	STATION DESIG
							90	,			7		5							EDTU =			i			- 12			NATION

PG \_\_\_\_ O+ \_\_\_

bucket	12	Ξ	ā	5	9	80	7	6	s	4	ω	2	-	-⊩-		FIRED	SEC COND SN	SEC LEMP ON	PRI LEMP SN	PRESS SN	SBE 9+		158		CONSC CAST #	VESSEL R/V Alpha Helix	
						0	20	27	401	407	751	100-	130-		DESIRED	DEPTH	D SE !	S Y	¥ ¥	! - 			85809	DEG MIN		Helix	
															ROSETTE POSITION		PAR S/N_	AT SURFACE	AT DEPTH	START DOWN	FIMES		.159 11 41 815	(2)		CRUISE ID	
						+	1	\ \ \	4					ļ	SALT	SAMPL		i			į	Local Date & Time	2.00	N.S.	LONGITUDE		
						120		1205	1204	1203	1202	1201	4401	1747	NUTRIENTS	E BOTTLE NUM	FLUOR S/N				בטי ואיני		WITI	À	ģ	GLC PAG	I PRO
															CHL. Bot. no	BERS	FLUOR S/I		ŀ	ì		0 1 0 4	L 0 4	7	-	GLOBEC/FOCI	THECT & LEG
		!													CHL, VOL								2000	2 2	⊣ଞ		
						Y									COMMENTS			MAX. DEPTH =				REMARKS		12 7 47	PRESSURE  SEA STATE  VISIBILITY  (deg)  (m/s)  CLOUD (am  TYPE  WEATHER		U300 i.c.
					82													PTH = m				S		2 1347BX3	BOTTOM STA. NAME/ID	A .	

bucket	12	-	:	10	9	80		1 0	, (	^	4	ω	2	-	┈	Š	FIRED DEPTH	SEC COND	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		159	CONSC CAST #	R/V Alpha Helix	VESSEL
					0	0	8	30	3	2	1×1	100	120	-200		DESIRED	)EPTH	SS	SS 	SN	¥:		1		5 00 MN	-	Helix	
					4		1	7	<del>}</del>					263		ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local D	3.93 N 1 48 H 9.	LATITUDE	HX287	CRUISE ID
	+															SALT	SAMPI			1	1		ā	Local Date & Time	. 69 W	LONGITUDE		
					1216	7.77	17 15	1214	1213	(212	(211	1210	1269	17.00X	3	NUTRIENTS	E BOTTLE NUN	FLUOR S/N				5	JD/TIME	=	- 12 12 12 13 14 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16	þ	GLC	PRO
																CHL. Bot. no.	BERS	FLUOR S/N		İ	1	!	_	U L 0 4	C 6	_	GLOBEC/FOCI	PROJECT & LEG
																CHL VOL									2 0	- a	-	
																COMMENTS									1 12 714012	DRY BULB WET BULB PRE A TE VISIBILITY  (*C) (mb) * * * (deg) (m/s)		DSDB LD.
																				MAX. DEPTH = m				REMARKS	672 2470 6×25	* CLOUD (an  * TYPE  * WEATHER  DEPTH STA. NAME/ID	nt)	STATION DESIGNATION

F6 -- CF --

bucket	12	=	ŏ	9	20	7	o	J	,	•	ω	2			SEO.	FIRED	SECO	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		- 6 Ф		CONSC CAST #	R/V Alpha Helix	VESSEL	
								(	0	200	-ah	60	250		DESIRED	FIRED DEPTH	SD SN NS CI	D SN	4P SN	P SN	z			\$15805	DEG		IA Helix		
										`				`	ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES		9 4 / N P G.	-	LATTIUDE	5,00	HX287	CBI MSE ID
				-			-						-	+	SA		S/N	ACE	Ĭ	NWO	2		Local Date & Time	10141		LONGITUDE			
									<b>★</b>	4	4			    	SALT	SAMPLE						JD/TIME	Time =	27 W	5				
									4446	1251	1220	12/4	1418	0	NUTRIENTS	SAMPLE BOTTLE NUMBERS						ME	-	1	DAY	DATE JD-		GL.	PRO
		+													CHL. Bot. no.	MBERS	FLUOR S/N						U L 0 4	0 4	.   ≾			GLOBEC/FOCI	PROJECT & LEG
														į	CHL VOL											<b>⊣</b> ੰ			
																									- Z	LB			DSDB I.D.
																								-	$\dashv$	WET BULB			
															c									-	1 1	PRESSUR  SEA STA  VISIBILIT	TE	     	
															COMMENTS									 	265	WIND DIRN.			
																			MA				RE I		18 //	SPD. SPD.	amt	<u> </u>	STATION DESIGNATION
																			MAX. DEPTH =				REMARKS		7	* TYPE * WEATH	R		SIGNATION
																									595	<del></del>	52	-	
																			3						7 0	STA, NAME/ID			
			_		 		1	1									: ::		1						0	<u>j l</u>			

bucket	12	13	10	1	9	8 10	-	200	0 0 2	2 40 4	4 60.	-	3 80 -	2 1064	1 115-	-  -	SEQ. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+			×,	DEG		R/V Alpha Helix	VESSEL
																	ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	LIME			8.74N 4922	DEG	LATITUDE	HX287	CRUISE ID
								4	4	ł	\						SALT				!	z 	1	,	Local Date & Time	•	22.00 W	MZ	LONGITUDE	<u>.</u>	
					1231	00.70	1024	1229	1228	177	2 6	15.26	1225	1224	1	1272	NUTRIENTS	SAMPLE BOTTLE NUMBERS						1	5 Y W 1 1 1 1 1 1		× 00 ∟ □	DAY MO	DATE JD=	GL08	PROJE
																	CHL. Bot. no. C	SS	FLUOR S/N_		\ 	\ 	 		,	0	E 0 4 0	×		GLOBEC/FOCI	PROJECT & LEG
			ŧδ														CHL. VOL.								-  -  -  -		0221	- NE	(GMT)		
																											7.71		)CB	-	DSDB I.D.
																										İ	1.111/		JL B	-	
																	COMMENTS						:				7	U	* SEA STATE * VISIBILITY		
																	пs				*				2		•	7	SPD. SPD. (am	nt)	STATION
							İ														MAX. DEPTH =				REMARKS			277 /	* TYPE * WEATHER		STATION DESIGNATION
																					а						_ [-	`	BOTTOM STA		
		i																										л Л	STA. NAME/ID		

bucket	12	=	10	9	œ		7	6	S	4	w	2	_	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		9	CONSC	R/V Alpha Helix	VESSEL
														DESIRED	FIRED DEPTH	ND SN	ES CR	WP SN	IP SN	ž	l		5 SEC		ha Helix	
														ROSETTE POSITION			A	A.	ST	Į.			2 2 N	LATITUDE	HX	CR
														TION .		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local Da	DEG 4:	LONG	HX287	CRUISE ID
														SALT	SAMP			1	1	ļ	ъ	Local Date & Time	3 . 1 2	LONGITUDE		
														 NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	= 17	€	DATE JD=	<u></u>	PR
														CHL. Bot. no.	MBERO	HLUOK S/N						U L 0 4	U L O YR		GLOBEC/FOCI	PROJECT & LEG
						•								CHL. VOL.								-	O/ 34	TIME (GMT)		
																							12 (°C)	DRY BULB		DSDB I.D.
																							. 0	E .		,
												*											- (a)	PRESSURE SEA STATE		
									į			3-		COMMENTS									3 08	WIND DIRN.		Ŋ
																		MAX. DEPTH =				REMARKS	4	CLOUD (am	t)	STATION DESIGNATION
											11			ļ		i   -  -		EPTH =				20	2 /0	WEATHER BOTTOM DEPTH	7 12.1	NATION
																		а					5 · 0 b	A STA. NAME/ID		
																							×	ME/ID		

Course   Description   Descr	CAUSE ID   PROJECT & LES   DOS D.D.	bucket	3	=	ő	۵	۰		7	6	5	4	ω	2	 SEQ.	FIRED	SEC CC	PRI CO	SEC TE	PRI TEMP SN	PRESS SN	SBE 9+		16		CONSC	R/V Alc	VESSEL
CONSETTE POSITION  CONSTITE POSITION  CONSTITE POSITION  CONSETTE POSI	CAUSES DE   PROJECT & LÉG   DOS DO.   STATON DESONATION														DESIRED	H1430	ND SN	AS Ch	MP SN	NS d	SN			58	DEG	_	ha Helix	
DOMESTIVE   DATE ID:	DOWN PROPERTY CH. Sol. no CH. VOL.    SAUT   NUTBERTS   CH. Sol. no CH. VOL.   COMPENS   SAUT   NUTBERTS   CH. Sol. no CH. VOL.   COMPENS   CH. Sol. no CH. VOL.   COMPENS   COMPENS   COMPENS   CH. Sol. no CH. VOL.   COMPENS   COMPENS   COMPENS   CH. Sol. no CH. VOL.   COMPENS														ROSETTE									747	MIN	ATITUDE		:
DEE   DATE JD   TIME (GATT) DRY BLLB   WET BLLB   SEA SBILLT   NAME OF THE SALT   NUTRIGHTS   CFL. Bot. no. CFL. VOL.   CFL. Bot. no. CFL. VOL.   COMMENTS   CFL. Bot. no. CFL. VOL.   COMMENTS   CFL. Bot. no. CFL. VOL.   COMMENTS   CFL. Bot. no. CFL. VOL.   COMMENTS   CFL. Bot. no. CFL. VOL.   COMMENTS   CFL. Bot. no. CFL. VOL.   COMMENTS   CFL. Bot. no. CFL. VOL.   COMMENTS   CFL. Bot. no. CFL. VOL.   COMMENTS   CFL. Bot. no. CFL. VOL.   COMMENTS   CFL. Bot. no. CFL. VOL.   COMMENTS   CFL. Bot. no. CFL. VOL.   COMMENTS   CFL. Bot. no. CFL. VOL.   COMMENTS   CFL. Bot. no. CFL. VOL.   COMMENTS   CFL. Bot. no. CFL. VOL.   COMMENTS   CFL. Bot. no. CFL. VOL.   CFT. CFT. CFT. CFT. CFT. CFT. CFT. CFT.	PROJECT & LEG   DSDB LD.   STATION DESIGNATION														POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local Da		DEG		нх287	CRUISE ID
DSOB LO.   STATION DESIGNATION   STATION DESIGNATION	000  000  1 TIME (GATT) DAY BULB WET BULB SESSIVATION  1 TIME (GATT) DAY BULB SESSIVATION  1 TIME (GATT) DAY BULB SESSIV															SAMPLE						T/dr		. 24	X.	TUDE		
DSOB LO.   STATION DESIGNATION   STATION DESIGNATION	000  000  1 TIME (GATT) DAY BULB WET BULB SESSIVATION  1 TIME (GATT) DAY BULB SESSIVATION  1 TIME (GATT) DAY BULB SESSIV							<u></u>							<b>↓</b>	BOTTLE NUMB						EME.		~ 00		DATE JO-	GLOB	PROJE
DSDB LD.  DSDB LD.  DSDB LD.  DSDB LD.  DSDB LD.  STATION DESIGNAT	DSOB LD.  DSOB LD.  DSOB LD.  DSOB LD.  DSOB LD.  DSOB LD.  DSOB LD.  DSOB LD.  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  AMAX. DEPTH  DSOB LD.  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  AMAX. DEPTH  DSOB LD.  STATION DESIGNATION  STATION DESIGNATION  AMAX. DEPTH  STATION DESIGNATION  STATION DESIGNATION  AMAX. DEPTH  STATION DESIGNATION  STATION DESIGNATION  AMAX. DEPTH  STATION DESIGNATION  AMAX. DEPTH  STATION DESIGNATION  AMAX. DEPTH  STATION DESIGNATION  AMAX. DEPTH  STATION DESIGNATION  AMAX. DEPTH  STATION DESIGNATION  AMAX. DEPTH  STATION DESIGNATION  AMAX. DEPTH  STATION DESIGNATION  AMAX. DEPTH  STATION DESIGNATION  AMAX. DEPTH  STATION DESIGNATION  AMAX. DEPTH  AMAX. DEPTH  STATION DESIGNATION  AMAX. DEPTH  AMAX. DEPTH  STATION DESIGNATION  AMAX. DEPTH  AMAX. DEPTH  AMAX. DEPTH  AMAX. DEPTH  STATION DESIGNATION  AMAX. DEPTH															8	FLUOR S/N		·	·	1 	<del>-1-</del>	- 0	0 4	- ≾	-	EC/FOCI	CT & LEG
WET BULB PRESSURE  SEA STATE VISIBILITY  I I Gegl (m/s)  COMMENTS	WET BULB PRESSURE  (°C) (mb) · SEA STATE  VISIBILITY  I Geg) (m/s) · CLOUPE  REMARKS  REMARKS  COMMENTS  COMMENTS  COMMENTS  COMMENTS  COMMENTS  COMMENTS														CHL VOL									17	7			
COMMENTS  COMMEN	COMMENTS  COMMEN																							1.	۲		-	DSDB I.D.
COMMENTS  * SEA STATE  * VISIBILITY      (deg)   wind wind spo. Cloud (amt)  REMARKS  REMARKS  * TYPE    WEATHER    WEATHER	STATION DESIGNATION  SEA STATE  VISIBILITY  I Geg)  (m/s)  REMARKS  REMARKS  COMMENTS																											
MAX. DEPTH + REMARKS    CLOUD (amt)   CLOUD	WIND DESIGNATION  WIND CLOUD (amt)  SPD. CLOUD (amt)  TYPE  WEATHER  (m)  (m)  (m)  (m)  (m)  (m)  (m)  (m														COMME		j, j							-		SEA STATE VISIBILITY		
REMARKS  REMARKS  CO * CLOUD (amt)  F * TYPE  P WEATHER  BO C	(m) (m) (m) (m) (m) (m) (m) (m) (m) (m)														SINS		     							1		SPD.		STATIO
oping a para transfer to the companies of the companies o																			MAX. DEPTH =				REMARKS		6 2	* TYPE  * WEATHER		DESIGNATION

bucket	12	=	10	9	8	7	6	5	4	3	-	23	 SEQ. DESIRED		FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		u'	DEG	_	R/V Alpha Helix	VESSEL
														BOSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local D	172N1USS	DEG		HX287	CRUISE ID
														SALT NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	Local Date & Time =	5.92 w 18	MIN DAY	LONGITUDE DATE J	100	-
											==			CHL. Bot. no. CHL. VOL.	NUMBERS	FLUOR S/N					T	JUL 0 4	0 4 0 3	MO YR HR	JD= TIME (GMT)	GLOBEC/FOCI	PROJECT & LEG
														COMMENTS				MAX. DEPTH = m				REMARKS	212.2 . 11036111503663	(°C) (°C) ((mb) (1) (ms)	DRY BULB  WET BULB  PRESSURE  SEA STATE  VISIBILITY  DIRN.	nt)	DSDB I.D. STATION DESIGNATION

bucket	12	11	10	9	00	4	თ	5	4	ω	2	-		SEQ. DESIRED	FIREO DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		S S S	i	VESSEL R/V Alpha Helix	
														ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	ر.	MIN DEG	LATITUDE	CRUISE ID HX287	
					-									SALT				, <del>I</del>	OWN	1		Local Date & Time		LONGITUDE		
													    	NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME	-	W DAY	DATE JD=	I GLOB	n O o o
														CHL. Bot. no. CH	ENG	PEUOR SVN	2 2 2	-	1	т Т		U L 0 4	U	TIN	GLOBEC/FOCI	20.0
							-							CHL. VOL.									S M			
												な	Tides										(0)	DRY BULB WET BULB	-	DSD8 I.D.
												1 sale	+ com	C				-						PRESSURE SEA STATE		
													letson	COMMENTS									808/	WIND DIRN.		STAT
													seen 1					MAX. DEPTH =				REMARKS	8 8 7 2	* CLOUD (am * TYPE * WEATHER	1)	STATION DESIGNATION
													Man										52	BOTTOM STA		Z
																		T I			<u> </u>		9 00	STA, NAME/ID		

bucket	12	=	10	9	8	7	6	S	4	3	2	- 62	┈	SEO. DESIRED	FIRED DEPTH	CEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		1665336	DEG	CONSC LAT		R/V Alpha Helix	VESSEL
														ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local D:	. 56 N / 503	930	LATITUDE LONG	<b>-</b>	HX287	CRUISE ID
												<		SALT NUTRIENTS	SAMPLE BOTTLE NUMBERS				Ξ		JD/TIME	Local Date & Time =	5.00W/87	0	LONGITUDE DATE JD=	; =	G	PF
														CHL. Bot. no. CHL. VOL	JMBERS	FLUOR S/N		 				J U L 0 4	U L 0 4 0 6 1	MO YR HR MIN	)= TIME (GMT)		GLOBEC/FOCI	PROJECT & LEG
														COMMENTS				MAX. DEPTH = m			しませんがを対し	REMARKS		(C) (mo) (com) (page (C) (C)	DRY BULB WET BULB PR SA SI THING SPD. CL YP	E DUD (ar PE ATHER		DSDB I.D. STATION DESIGNATION

bucket	12	=	10	Q	80	7	6	S	4	3	2	1 63	┺		FIRED DEPTH		PRI COND SN	CEC TEMP CM	PRI TEMP SN	PRESS SN	SBE 9+		CONSC CAST # LATIT	VESSEL
														ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local D	UDE DEG	CRUISE ID
														SALT	SAMPLE					1	JD/TIME	Local Date & Time	LONGITUDE MIN	
														NUTRIENTS	SAMPLE BOTTLE NUMBERS						IME ,	n r	DATE DATE	PROJE
														CHL. Bot. no.	ERS	FLUOR S/N		·	!	1		104	4 8	PROJECT & LEG
														CHL VOL									TIME (GMT) HR MIN	
														COMMENTS									DRY BULB WET BULB PRESSURE  (°C) (°C) (mb) PRESSURE  * VISIBILITY  DIRN. SPD.  (m/s)	DSDB I.D. STATIO
																	MAA. OCT (1)					REMARKS	S) CLOUD (amt TYPE WEATHER DEPTH STA. NAME/ID	STATION DESIGNATION

1	bucket	12	=	10	9	α	•	7	Ø	5	4	ω	2	-	SEQ. DE	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	A	N-6-3 I	CONSC CAST #	R/V Aloha Hefix	VESSEI
COLOSE ID  COLOSE ID															SIRED	PTH	ž		z					~		efix	
DOMESTIDE   DATE D   THE (SMT)   DAY BULLS   WET BULLS   STATION DESIGNATION															ROSETTE									7	TUDE		
COMMENTS   CAL BOL TO CHL VOL   COMMENTS   STATION DESIGNATION							ļ								POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	DEG		HX287	CRUISE ID
DEDB I.D.  DET BLALS WET BLALS SURE  THAT (C) (C) (mb) • SEA STATE  OHL VOL  COMMENTS  CHL VOL  COMMENTS  DEFINA  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  DEFINA  AAX. DEFINA  CHL VOL  COMMENTS  CHL VOL  COMMENTS															SALT	SAMP			i	- 1	i	<b>.</b>	Date & Time	0	NGTUDE		
DEDB LD.  DET BLALS WET BLALS SURE  (*C) (mb) * SEA STATE  DIRN. SPD. CLOW DESIGNATION  DEPTH MAX. DEPTH —  COMMENTS  COMMENTS  COMMENTS  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  DIRN. SPD. CLOW DEPTH —  MAX. DEPTH —  COMMENTS															NUTRIENTS	LE BOI I LE NUI						TIME	-	W DAY	DATE JO:	<u>୍</u>	PR(
DEDB ID.  DET BLLS  WET BLLS  FERSURE  (*C)  (*C															CHL. Bot. no	MBERO	FLUOR S/I		1	1	1		10	0 3	1	DBEC/FOCI	DJECT & LEG
WET BULB PRESSURE  (C) (mb) PRESSURE  SEA STATE (VISIBILITY DIRN SPD. (amt) SPD. CLUBE REMARKS  REMARKS  REMARKS  OMNEUTS  COMMENTS  COMMENTS																								A 7	TIME (GMT)		
WET BULB  (°C)  (mb)  PRESSURE  SEA STATE  VISIBILITY  DIRRY.  SPD.  CLOUD (amt)  TYPE  BOTTOM  DEPTH  MAX. DEPTH  MAX. DEPTH  TYPE  WEATHER  OF TYPE  WEATH																								<u> </u>	DRY BULB		DSD8 I.
STATION DESIGNATION  SEA STATE  VISIBILITY  DIRN. SPD. CLOUD (amt)  TYPE  REMARKS  REMARKS  REMARKS  COMMENTS  COMME						,		f		4	1	+												-	1		D
MAX. DEPTH =						\						7			8										SEA STATE	-	,
MOTTO MOTO													7		)MMENTS									7	WIND DIRN.	1	ST
О С С С С С С С С С С С С С С С С С С С												c							MAX DE	<u></u>	-	2000	DELLAOV		* CLOUD (ami	:)	ATION DESIGN
								!			/		:						PTH.			i	9	10			JATION
																			3					6			

bucket	12	3	10	9		8 /0	7 20	6 20			es S	3	2 100	1004	╢	SEQ. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	S8E 9+		1695826	DEG		R/V Alpha Helix	VESSEL
														12 Xm		ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	rocal t	. 62 N /5/2	DEG	LATITUDE	HX287	CRUISE ID
					らかが	125	[ k U >	2	1237	1236	1235	1234	7 1200		1227	SALT NUTRIENTS	SAMPLE BOTTLE N	FLUOR S/N					JD/TIME	Local Date & Time =	0.17w18	P	LONGITUDE DATE JO-	6	P
					0	7	) >~	2 .	+	6				3		CHL. Bot. no. CHL. VOL.	UMBERS	FLUOR S/N		 	 			J U L 0 4	JUL04055	Ľ	TIME (G	GLOBEC/FOCI	PROJECT & LEG
																COMMENTS				MAX. DEPTH = m				REMARKS			DRY BULB  WET BULB  PRESSURE  SEA STATE  VISIBILITY	(1)	DSDB LD. STATION DESIGNATION

ļ,

PG --- UF ---

bucket	12	=	10	9	00	7	6	5	4	ω	2	_	SEQ. C		FIRED DEPTH	SEC COND	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		170	CONSC CAST #	1	R/V Alpha Helix	VESSEL
						ļ	0	10	20	S	0h	25	DESIRED		DEPTH	2	NS	SS.	 	ļ			582	1_		Helix	
													ROSELLE POSITION			PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local Da	5.03 N 1514	UDE		HX287	CRUISE ID
													SALI		SAMPL			1	<u> </u>		/ar	Local Date & Time	3.59	LONGITUDE			
													NOT SELECT	NII TEIENTS	E BOTTLE NUM						JD/TIME	-	<u> </u> _	DATE JD*		GLO	PRO.
														CHI Rot no	SAMPLE BOTTLE NUMBERS	FLUOR S/N		İ		1		U L 0 4	-	Mo T		GLOBEC/FOCI	PROJECT & LEG
														CHL VOL									121	TIME (GMT)			
												Ch X - MCV4		COMMENTS				MAX. DEPTH =				REMARKS	0	* VISIB  WIND WIND WIND WIND CLOL  TYPE  WEA	JD (am	1)	DSDB I.D. STATION DESIGNATION
																		T.					1172AP16	DEPTH STA. NAME/ID			Ö

bucket	12	=	10	٩		20	7	o (	^ .	•	w	2		SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		17	CONSC CAST #	R/V Alpha Helix	VESSEL
													147	DESIRED	FIRED DEPTH	ID SN	NS O	IP SN	ŠŠ 	z 			582	-	a Helix	
														ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local D	S. 8   z   5   3	UDE	HX287	CRUISE ID
													1	SALT	SAMPL			1		l	'n	Local Date & Time	1 1	LONGITUDE		
														NUTRIENTS	E BOTTLE NU						JD/TIME	-	W   %	DATE JD-	GL	PRO
														CHL. Bot. no.	JBLRS	FLUOR S/N		İ		!		U L 0 4	-	MO YR	GL08EC/FOCI	PROJECT & LEG
					-									CHL, VOL.									910	TIME (GMT)		
														COMMENTS				MAX DEPTH # m			N. Pri vice	DEKARKO	11.7 . 08 9994 4 2 11674	* SEA STATE  * VISIBILITY  ORN. SPD. CLOUD (an  * TYPE  * WEATHER  OPTION		Court inc.

bucket	12	=	ĭŏ	9	co		1	<b>с</b> ъ	5	4	ω	2			SEQ. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	S8E 9+		7258	CONSC CAST #	VESSEL	
															ROSETTE POSITION									2 6 8	LATITUDE		
															OSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local Da	15120		CRUISE ID HX287	
														         	SALT	SAMPLE			-		1	JD/TIME	Local Date & Time	. 12	LONGITUDE		
															NUTRIENTS	SAMPLE BOTTLE NUMBERS						TIME	-	*	- p	PRO.	    -
											J				CHL. Bot. no.	BERO	FLUOR S/N			- 30	1		U L 0 4	U L 0 4	\$ \$	PROJECT & LEG	
															CHL, VOL									13-1	TIME (GMT)		
													_		: :									~	DRY BULB	D\$D8 l.D.	
						\			9	7		3	)												WET BULB	_	
							\								COM									07	* SEA STATE * VISIBILITY	- - - -	
										K	5				COMMENTS									0	WIND WIND DIRN. SPD. (deg) (m/s)	STAIL	
																			MAX. DEPTH =				REMARKS	12)	* CLOUD (am * TYPE * WEATHER	STATION DESIGNATION	TAIACICALATI
																	į į							11321	вогтом рертн	2	22
ļ																			Э					A 98	STA. NAME/ID		

bucket	12	=	10	9	80	7	6	s	4	ω	2	 SEQ.	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		17	CONSC CAST #	R/V Alpha Helix	VESSEL
												DESIRED	DEPTH	ID SN	NSO	P SN	SS SS	z 	[		2 8 PEG		na Helix	
												ROSETTE POSITION									~ X X X X X X X X X X X X X X X X X X X	LATITUDE		
												оѕпіом		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local Da	1505	LONG	HX287	CRUISE ID
												SALT	SAMPL			1		ı	JD	Local Date & Time		LONGITUDE		
												NUTRIENTS	SAMPLE BOTTLE NUMBERS						JD/TIME		W DAY	DATE JO=	GL.	PR
												CHL. Bot. no.	ABERS	FLUOR S/N		ļ				U L 0 4	U L O 4		GLOBEC/FOCI	PROJECT & LEG
												CHL. VOL.									- 48 √ MN	ન 🚍		
																					(6)	DRY BULB		DSD8 1.D.
											-										. (G	Ē		<u>o</u>
							(					8									0 7 6	SEA STATE	-	
							ļ	7		_		COMMENTS									1051			ST
									0	2					MAX. DEPTH =			ŀ	REMARKS		4	CLOUD (amt TYPE WEATHER	2	STATION DESIGNATION
															T ti						14	ВОТТОМ		TION
										:		i   -  -  -			3						11010	STA. NAME/ID		

a little and a lit

bucket	12	=	10	9	8	7	o.	5			3	2	-	SEQ. DESIRED	FIRED DEPTH	SEC COND SN	FRI COND Six	SEC TEMP SN	PKI LEMP ON	DOLLEND CM	PRESS SN	S8E 9+		1755828	DEG		R/V Aloha Helix	VESSEL
														ROSETTE POSITION			DAD C/N	AT SURFACE		START DOWN	DATA ON	TIMES	Loca	19511150	066	<u> </u>	HX287	CRUSE ID
														SALT NUTRIENTS		-				&Z		JD/TIME	Local Date & Time =	75.00 w 1 6	MN D	LONGITUDE DATE		
														CHL. Bot. no.		SAMPLE BOTTLE NUMBERS	FLUOR S/N				\ 	Τ	J U L 0 4	J U L O 4	MO YR HR	JO:	GL08EC/FOCI	PROJECT & LEG
														CHL. VOL										5 36 11113	) MN	(GMT) DRY BULB WE		DSDB LD.
							0	5	127	(	1			COMMENTS										9	72 6	PRESSURE  SEA STATE VISIBILITY  ORN. VISIBILITY		ST
												\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\						MAX. DEPTH -					SASSMES		872 8/	WIND CLOUD (am TYPE WEATHER DEPTH OFFITH  WIND WIND  W	t)	STATION DESIGNATION
															cin Ci			В							N P I	GP76 STA. NAME/ID		

CRUSE ID	CRUSE ID  RECRUSE ID  RECRUSE ID  RECRUSE ID  RECRUSE ID  RECRUSE ID  LONGTUDE  LONGTU	CRUSE ID	CRUSE D    CRUSE D   CRUSE	CRUISE D  ROSETTA COMMUNICATION  ROSETTE POSITION  CRUISE D  ROSETTA COMMUNICATION  CRUISE D  ROSETTA COMMUNICATION  CRUISE D  ROSETTA COMMUNICATION  CRUISE D  ROSETTA COMMUNICATION  COMUNICATION  COMU	CONSC CAST #  SBE 9+  PRESS SN  PRI TEMP SN  SEC TEMP SN  PRI COND SN  SEC COND SN  FIRED DEPTH  SEQ. DESIRED  1  7  7  8  8  9  10  11	VESSEL R/V Alpha Helix
D   PROJECT & LEG	DOWN    CONGITUDE   DATE  D=   TIME (GMT)   DRY BULB	DOUBLE DATE JD	DOWN COLORECT & LES COMMENTS  SALT NUTRIENTS CH. BOL TO, CH. VOL.  SALT NUTRIENTS CH. BOL TO, CH. VOL.  COMMENTS  CO	DOUGHTUDE DATE 10-  THAT HAVE SALT MATERIALS CH. Bot. ID CH. Vol.  SALT MATERIALS CH. Bot. ID CH. Vol.  SALT MATERIALS CH. Bot. ID CH. Vol.  SALT MATERIALS CH. Bot. ID CH. Vol.  COMMENTS  CH. Bot. ID CH. Vol.  COMMENTS  CH. Bot. ID CH. Vol.  COMMENTS  CH. Bot. ID CH. Vol.  COMMENTS  CH. Bot. ID CH. Vol.  COMMENTS  CH. Bot. ID CH. Vol.  COMMENTS  COMENTS  COMMENTS  COMMENTS  COMMENTS  COMMENTS  COMMENTS  COMMENTS	LATITUDE DEG MIN DEG START AT DE START SU PAR SU PA	
TIME (GMT) HR MIN CHL. VOL.	TIME (GMT) DRY BULB HR MIN (°C)   0 9   1   .   4	TIME (GMT)  DRY BULB  WET BULB  VISIBILITY  DSDB LD.  DS	TIME (GMT) DRY BULB WET BULB WET SURE  CHL VOL.  CHL VOL.  CHL VOL.  COMMENTS  COMMENTS  COMMENTS	THE (GMT) DRY BULB WET BULB PRESSURE  SEA STATE  VISIBILITY  COMMENTS  COMME	LONGITUDE  MIN  OCAL Date & T  FACE  S/N  SAL	io
TIME (GMT) HR MIN CHL. VOL	TIME (GMT) DRY BULB HR MIN (°C)   0 9   1   .   4	TIME (GMT) DRY BULB WET BULB WET BULB ODE 1.D.  ODE OF OF OF OF OF OF OF OF OF OF OF OF OF	TIME (GMT) DRY BULB WET BULB WET SURE  CHL. VOL.  CHL. VOL.  CHL. VOL.  COMMENTS  COMMENTS  COMMENTS	THE (GMT) DRY BULB WET BULB PRESSURE  SEA STATE  VISIBILITY  G(BE) (m/s) CLOUD (amp.)  REMARKS  COMMENTS  COMMENTS  COMMENTS  COMMENTS  COMMENTS	DATE JO- DAY M DAY M DAY M PLE BOTTLE NUMB	PROJ
	DSDB LD	ORY BULB OSOB I.D.  ORY BULB OSOB I.D.  ORY BULB OSOB I.D.  SEA STATE OS VISIBILITY	DSDB I.D.  DRY BULB WET BULB WET SURE  (* SEA STATE  VISIBILITY  OIRN, UNID  OMMENTS  COMMENTS	DSDB ID.    DRY BULB   WET BULB   WET SULB   WIND   DESIGNATION	ERS FLUOR S/N 4 4 6	EC/FOCI
		C SEA STATE  SEA STATE  SEA STATE  VISIBILITY	COMMENTS  COMMEN	WET BULB PRESSURE  'CC (mb) PRESSURE  'SEA STATE  VISIBILITY  ORN SPD. CLOUD (amt)  REMARKS  REMARKS  REMARKS  COMMENTS  COMMENTS		

bucket	12	13	10	9	8	7	6	5	4	ω	2		SEQ. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	S8E 9+		S82		R/V Alpha Helix	VECCH!
												wtt	ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Loc	35.53 N / SO 4		HX287	CRUISE ID
												7	SALT NUTRIENTS					NN		JD/TIME	Local Date & Time =	NIN HO. 8	LONGITUDE DATE		
													S CHL. Bot. no. CHL. VOL.		SAMPLE BOTTLE NUMBERS	CHOR CAN			1	T	J U L 0 4	MO YR HR	JD= TIME (GMT)	GLOBEC/FOCI	PROJECT & LEG
							<b>X</b>															MIN (°C) (°C)	T) DRY BULB WET BULB		DSDB I.D.
								N					COMMENT	20 Maria								(mb) (deg)	PRESSURE SEA STATE VISIBILITY		
																	MAX. DEPTH =				REMARKS	04872	SPO. CLOUD (and TYPE * WEATHER DEPTH	nt)	STATION DESIGNATION
																	<b>a</b>					2507	M STA. NAME/ID		

	12	1	10	9	CX	•	7	6	0	-	4	3	2	-	SEQ. DESIRED	FIRED DEPT	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		1785	DEG	CAST #	R/V Alpha Helix	VESSEL
-							·				· · -													5840.4	-	LATITUDE		
															ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	لور	8 N / SO	DEG		HX287	CRUSE 10
-															SALT				!	NW(	!	JD.	Local Date & Time	50.08	Min	LONGITUDE		
															NUTRIENTS		CAMBLE BOTTLE ALIMBERS					JD/TIME		w   8 L		ြုံခု	leroe	PROJ
															CHL. Bot. no. C		FLUOR S/N_		1 T	! - -	1	T-	U L 0 4	0 4	MO YR	_	GLOBEO/ FOCA	PROJECT & LEG
															CHL. VOL.									770	麦	(GMT)		
																										<u>B</u>		D\$D6 t.D.
						0		-	· ·		\$	-		:										0	200	PRESSURE		
					\		X	\		0	7				Company	COMMENTS								0	브	* SEA STAT  * VISIBILITY  Geo. PR. WIND		:
											7								MAX				REMARKS	0		S S S S S S S S S S S S S S S S S S S	amt)	STATION DESIGNATION
																			MAX. DEPTH =				ARKS		7	* WEATHE DEPTH	R	SIGNATION
																			3						もつか	M STA. NAME/ID		

COLUMN   C	bucket	12	=	10	9	æ	7	6		4	w	ľ	2	341 1	SEQ. DESIRED	i i	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	S8E 9+		126t1	DEG	CAST #		R/V Alpha Helix	VESSEL
CONSITION   DATE D-   THE (SAIT)   DAY   MO   TR   RE   MIN   CO)   CO   CO   CO   CO   CO   CO   C														8				PA	AT SU	AT DE	START	DATA	TIMES		44.96 N/		LATITUDE		HX287	CRUSE
DSDB I.D.  STATION DESIGNATION  STATION DESIGNATION  REMARKS  ONMENTS  STATION DESIGNATION  SPIL CITY OF STATION DESIGNATION  STATION D														(		T				HIL	DOWN	ON I	L	Local Date & Time	51.7	NZ.	LONGITUDE			5
DSDB I.D.  STATION DESIGNATION  STATION DESIGNATION  REMARKS  ONMENTS  ONMENTS  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  STATION DESIGNATION  SPIL CLIP  STATION DESIGNATION  STATION DESIGNATION  SPIL CLIP  STATION DESIGNATION  STATION DESI															NO! RIEN I		PLE BOTTLE NUM						D/TIME		W 18	DAY	DATE JO-		- IGLO	PRO
DORY BULB WET BULB PRESSURE  ('C') ('C) ('Mb) SEA STATE  ('C') (Mb												5			╼		BERS	FLUOR S/N			\ 	1		- 0	0	-	-		)BEC/FOCI	JECT & LEG
WET BULL B PRESSURE  (C) (mb) PRESSURE  SEA STATE  VISIBILITY  WIND DIRN.  SPD. CLOUD (amt.)  TYPE  WEATHER  OEPTH  MAX. DEPTH  MAX. DEPTH  TOMMENTS  COMMENTS  COMMENTS															1 10	Cr. VO									-			····		
COMMENTS  COMMEN																	·								<u> </u>	<u> </u>	+		-	0\$08 I.D.
COMMENTS  COMMEN							76	1	5		2	<b>-</b>														_	- 1	SSURE		
REMARKS  REMARKS  REMARKS  REMARKS  REMARKS  REMARKS  REMARKS  REMARKS  REMARKS  REMARKS  REMARKS  REMARKS  REMARKS							(	1/1/2								COMMENTS									-	47	<sup>◆</sup> VIS	BILITY		
									20	>					i i i i				 	MAX				REMA	- 17		CL	OUD (ar	nt)	STATION DES
																				DEPTH =				RKS	}	2	* WE	ATHER		IGNATION
																		  -  -  -  -		3										

See 9+	1   2   3   1   5   5   2   8   6   W   8   J   U   L   0   4	CRUSE IO
TIMES  TIMES  DATA ON  START DOWN  AT DEPTH  AT SURFACE  PAR S/N  SAMPLE BOTTLE NUMBERS  ROSETTE POSITION  SALT  NUTRIENTS  CHL. Bot. no.	1   2   3   1   5   5   2   8   6   w     6   J   U   L   0   4   8   5   2   2   1   2   2   2   2   2   2   2	CRUSE IO   PROJECT & LEG   DATE JD   TIME (GMT) DRY BULS
TIMES  TIMES  DATA ON  START DOWN  AT SURFACE  PAR S/N  SAMPLE BOTTLE NUMBERS  ROSETTE POSITION  SALT  NUTRIENTS  CHL. Bat. no.	1	CRUSE ID  CRUSE ID  CRUSE ID  CRUSE ID  CRUSE ID  CRUSE ID  CRUSE ID  TIME (GMT)  DRY BULS  DRY BULS  DRY BULS  DRY BULS  DRY BULS  TIME (GMT)  DRY BULS  DRY BULS  DATA ON  FINES  DOTINE  DATA ON  START DOWN  DEPTH  DESTRED  ROSETTE POSTITION  SALT  NUTRIENTS  CHL Bat. no. CHL VOL.  DOS NO. CHL VOL.  DOS NO. CHL VOL.  DOS NO. CHL VOL.  DOS NO. CHL VOL.  DRY BULS  TIME (GMT)  TIME (GMT)
TIMES  TIMES  DATA ON  START DOWN  AT SURFACE  PAR S/N  SAMPLE BOTTLE NUMBERS  ROSETTE POSITION  ROSETTE POSITION  ROSETTE POSITION  ALT  NUTRIENTS  CHL. Bat. no.	1   2   3   1   5   5   2   8   6   w   1   6   4   8   5   2   1   1   1   1   1   1   1   1   1	CRUSE ID   PROJECT & LEG   DOSD 1.0
TIMES  TIMES  DATA ON  START DOWN  AT SURFACE  PAR S/N  SAMPLE BOTTLE NUMBERS  ROSETTE POSITION  ROSETTE POSITION  ROSETTE POSITION  AT SURFACE  SAMPLE BOTTLE NUMBERS  CHL. Bot. no.	1	CRUSE ID   PROJECT & LEG   DSD8 LD
TIMES  TIMES  DATA ON  START DOWN  AT DEPTH  AT SURFACE  PAR S/N  SAMPLE BOTTLE NUMBERS  ROSETTE POSITION  ROSETTE POSITION  ROSETTE POSITION  ROSETTE POSITION  ROSETTE POSITION  SALT  NUTRIENTS  CHL. Bot. no.	H Q   .   2 3   N	CRUSE ID   PROJECT & LEG   DSD8 1.0
TIMES  TIMES  DATA ON  START DOWN  AT SURFACE  PAR S/N  SAMPLE BOTTLE NUMBERS  ROSETTE POSITION  ROSETTE POSITION  ROSETTE POSITION  AT SURFACE  PAR S/N  SAMPLE BOTTLE NUMBERS  CHL. Bot. no.	1   2   3   1   5   5   2   8   6   w     6   J   U   L   0   4   8   5   1   2   1   2   2   2   2   2   2   2	CRUSE ID   PROJECT & LEG   DSD8 ID
TIMES  TIMES  DATA ON  START DOWN  AT DEPTH  AT SURFACE  PAR S/N  PAR S/N  SAMPLE BOTTLE NUMBERS  CHL. Bot. no.	H Q   .   2 3   N	CRUSE ID   PROJECT & LEG   DSD8 I.D
TIMES  TIMES  DATA ON  START DOWN  AT DEPTH  AT SURFACE  PAR S/N  SAMPLE BOTTLE NUMBERS  ROSETTE POSITION  SALT  NUTRIENTS  CHL. Bot. no.	H Q   .   2 3   N   1 5   O   S   2   .   8 6   W   1 6   J   U   L   O   4   1 8   55   1 2   .	DSDB 1.D   PROJECT & LEG   DSDB 1.D
TIMES  TIMES  DATA ON  START DOWN  AT DEPTH  AT SURFACE  PAR S/N  SAMPLE BOTTLE NUMBERS  ROSETTE POSITION  ROSETTE POSITION  ROSETTE POSITION  ROSETTE POSITION  SALT  NUTRIENTS  CHL. Bot. no.	1   2   3   0   5   2   3   0   w     6   J   U   L   0   4     8   5     2   2   2   2   2   2   2   2	CRUSE ID  HAZBY  CRUSE ID  GLOBEC/FOCI  TIME (GMT)  DRY BULB  GLOBEC/FOCI  TIME (GMT)  DRY BULB  DATE JD-  TIME (GMT)  DRY BULB  DATE JD-  TIME (GMT)  DRY BULB  DATE JD-  TIME (GMT)  DRY BULB  DATE JD-  TIME (GMT)  DRY BULB  ORY BULB  JULI 0 4 /8 \$\$ / 2 . 9  DATE JD-  TIME (GMT)  DRY BULB  ORY BULB  FILLOR S/N  DATE JD-  TIME (GMT)  DRY BULB  ORY BULB  FILLOR S/N  DATE JD-  TIME (GMT)  DRY BULB  ('C)  DATE JD-  TIME (GMT)  DRY BULB  FILLOR S/N  DATE JD-  TIME (GMT)  DRY BULB  FILLOR S/N  DATE JD-  TIME (GMT)  DRY BULB  FILLOR S/N  DATE JD-  TIME (GMT)  DRY BULB  FILLOR S/N  DATE JD-  TIME (GMT)  DRY BULB  FILLOR S/N  DATE JD-  TIME (GMT)  DRY BULB  FILLOR S/N  DATE JD-  TIME (GMT)  DRY BULB  FILLOR S/N  DATE JD-  TIME (GMT)  DRY BULB  FILLOR S/N  DATE JD-  TIME (GMT)  DRY BULB  FILLOR S/N  DATE JD-  TIME (GMT)  DRY BULB  FILLOR S/N  DATE JD-  TIME (GMT)  DRY BULB  FILLOR S/N  DRY BULB  FILLOR S/N  DATE JD-  TIME (GMT)  DRY BULB  FILLOR S/N  DATE JD-  TIME (GMT)  DRY BULB  FILLOR S/N  DATE JD-  TIME (GMT)  DRY BULB  FILLOR S/N  DATE JD-  TIME (GMT)  DRY BULB  FILLOR S/N  DATE JD-  TIME (GMT)  DRY BULB  FILLOR S/N  DATE JD-  TIME (GMT)  DRY BULB  FILLOR S/N  DATE JD-  TIME (GMT)  DRY BULB  FILLOR S/N  AT SIRRACE  DATE JD-  TIME (GMT)  DRY BULB  FILLOR S/N  AT SIRRACE  DATE JD-  TIME (GMT)  DRY BULB  FILLOR S/N  AT SIRRACE  DATE JD-  TIME (GMT)  DRY BULB  FILLOR S/N  AT SIRRACE  DATE JD-  TIME (GMT)  DRY BULB  FILLOR S/N  AT SIRRACE  DATE JD-  TIME (GMT)  DRY BULB  FILLOR S/N  AT SIRRACE  DATE JD-  TIME (GMT)  DRY BULB  FILLOR S/N  AT SIRRACE  DATE JD-  TIME (GMT)  DRY BULB  FILLOR S/N  AT SIRRACE  DATE JD-  TIME (GMT)  DRY BULB  FILLOR S/N  AT SIRRACE  TIME (GMT)  DATE JD-  TIME (GMT)  DRY BULB  FILLOR S/N  AT SIRRACE  DATE JD-  TIME (GMT)  DATE JD-  TIME (GMT)  DATE JD-  TIME (GMT)  DATE JD-  TIME (GMT)  DATE JD-  TIME (GMT)  DATE JD-  TIME (GMT)  DATE JD-  TIME (GMT)  DATE JD-  TIME (GMT)  DATE JD-  TIME (GMT)  DATE JD-  TIME (GMT)  DATE JD-  TIME (GMT)  DATE JD-  TIME (GMT)  DATE JD-  TIME (GMT)  DATE JD-  TIM
TIMES  TIMES  DATA ON  START DOWN  AT DEPTH  AT SURFACE  PAR S/N  ROSETTE POSITION  SAMPLE BOTTLE NUMBERS  CHL. Bot. no.	1   2   3   0   5   2   8   6   w   1   6   1   U   L   0   4   7   8   5   5   2   2   .    TIMES   DATA ON   START DOWN   AT DEPTH   AT SURFACE   PAR S/N   SAMPLE BOTTLE NUMBERS   FLUOR S/N   CHL. Bot. no. CHL. VOL.	CRUSE ID   PROJECT & LEG   DSDB I.D
Cocal Date & Time	H Q   .   2 3   N   1 5   O   S   2   .   8   6   W   1 6   J   U   L   O   4   1 8   5   5   1   2   .    LOCAL Date & Time	CRUSE 10   PROJECT & LEG   PROJECT & LEG
TIMES  DATA ON  START DOWN  AT SURFACE  PAR S/N	1   2   3   0   5   2   3   0   w   1   6   3   U   L   0   4   1   8   5   1   2   .	CRUSE ID
TIMES DATA ON START DOWN AT DEPTH AT SURFACE	1	CRUSE 10   PROJECT & LEG   DSD8 1.D
TIMES  TIMES  DATA ON  P SN  AT SURFACE  AT SURFACE	D 5 8 4 9 . 2 3 N / 5 0 5 2 . 8 6 W   6 J   U   L   0 4 / 8 5 5 / 2  LOCAL DATE & TIME   J   U   L   0 4 / 8 5 5 / 2  P SN   DATA ON   START DOWN   AT SURFACE   AT SU	CRUSE 10   PROJECT & LEG   DSDB 1.D
TIMES  TIMES  DATA ON  START DOWN	D 5 8 4 9 . 23 N / S 0 5 2 . 8 6 W   6 J U L 0 4 / 8 5 5 / 2 .  LOCAL DATE & TIMES  DATA ON  START DOWN  START DOWN	CRUSE 10   PROJECT & LEG   DSDB 1.D
Local Date & Time = JULLO  TIMES JD/TIME	D 5 8 4 9 . 23 N / 5 0 5 2 . 8 6 W   6 J U L 0 4 / 8 5 5 / 2 . Local Date & Time = J U L 0 4 / 8 5 5 / 2 . DATA ON	CRUSE (D   PROJECT & LEG   DSOB LD
Local Date & Time = JULO	0 5 8 4 9 . 23 N / 50 5 2 . 8 6 W   6 J U L 0 4 / 8 5 5 / 2 .  Local Date & Time = J U L 0 4	CRUSE 10   PROJECT & LEG   DSDB LD     CRUSE 10     CRUSE 10     CRUSE 10     CRUSE 10     CRUSE 10     CRUSE 10     CRUSE 10     CRUSE 10     CRUSE 10
Local Date & Time = J U L 0	5849.23 N / 50 52.86 W   6 J U L 0 4 / 8 55 / 2.	CRUSE 10  CRUSE 10  CRUSE 10  CRUSE 10  PROJECT & LEG  GLOBEC/FOCI  TIME (GMT)  DRY BULB  TORY BULB
	5849.23 N /5052.86 W 18 J U L 0 4 /8 55/2.	CRUSE 10  CRUSE
LATITUDE LONGITUDE DATE JD= TIME (GMT) DRY BULB		CRUSE ID PROJECT & LEG
HX287    GLOBEC/FOCI	ha Helix HX287	

7	12	=	ő	9		20	7	б	v	_	w	2		SEQ	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		181	CAST #	R/V Alpha Helix	
														DESIRED	DEPTH	ID SN	   	P SN	NS.	z 	1		5 8 5		a Helix	
														ROSETTE POSITION			A	<u> </u>	ST	D.	1		2 8 8 N	LATITUD€	Ŧ.	ICR.
						L								TION	_	PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local Da	202		HX287	CRI MSF 1D
														SALT	SAMPL			<u> </u>	1	1	ρ	Local Date & Time	3 . 9/	LONGITUDE		
														NUTRIENTS	ב פטוונג וינ	CAMPLE POTTILE NI MIRERS					JD/TIME	-	× 5	OL 3TAC	<u> </u>	PR
												1		CHL. Bot. no.	1000	PLUCK SAN		1	1	-		U L 0 4	U L 0 4	<u> </u>	GLOBEC/FOCI	PROJECT & LEG
														CHL. VOL.									12	TIME (GMT)		
																							12.9	ORY BULB	_	DSDB I.D.
																								WET BULB		,
																							7	PRESSURE SEA STATE VISIBILITY		
														COMMENTO	State								15.5	WIND DIRN. (deg)		
																		MAX. 1				REMARKS	2840	SP NO SP NO	nt)	O MI COM OF COMME
					:									-  -  -			  -  -  -	MAX. DEPTH =				KS	2	* WEATHER DEPTH (m)		
																		3					0	<del>                                     </del>		
																								STA. NAME/ID		

11	11	10	u u	20	7	اك.	s Trock		2 50 1	ا 139	SEQ. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		<u>27</u>	DEG.		R/V Alpha Helix	VECCE
							23/				ROSETTE POSITION		PAR S/N	AT SURFACE	АТ ДЕРТН	START DOWN	DATA ON	TIMES	Loca	. 88 N (50	MIN DEG		HX287	CRUISE ID
											SALT	AMARC				ž l	1	٥٢	Local Date & Time	55.87	MIN	ONGTUDE		
								(245)	1242	1241	NUTRIENTS	DAMPLE DOLLACE MONDERS	MIN SULLO					JD/TIME	-	50	$\Box$	DATE JO-	GL01	PROJ
											CHL. Bot. no.	1	FLUOR V/N		1	1	1		U L 0 4	0 4	MO YR		GLOBEC/FOCI	PROJECT & LEG
										-	CHL. VOL.									2048	HR MW	11ME (GMT)		
																					(5)	ORY BULB WET BULB	-  -  -  -	DSD8 t.D.
											Control	COMPENTS								- 9		PRESSURE SEA STATE VISIBILITY DIRN. SPD.		STA
															MAX. DEPTH =				REMARKS	-	1837 140	CLOUD (and TYPE) WEATHER	nt)	STATION DESIGNATION
															m					L	503	STA. NAME/ID		

·.

bucket	12	=	10	و	8	7	თ	5	4	ω	2	-	SEQ.	FIRED	SEC CC	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		- GS	CONSC	R/V Alt	VESSEL
													DESIREO	DEPTH	SEC COND SN	\ \frac{2}{2}	MP SN	NS div	SN	1		DEG S 9 C		R/V Alpha Helix	
													ROSETTE POSITION		PAN SIN	The state of the s	AT DEPTH	START DOWN	DATA ON	TIMES	Lo	MIN DEG		HX287	CRUSE ID
													SALT	DAG.			, ,	NAK			Local Date & Time	S + . 8	ONOTION		
													NUTRIENTS	ער פטן ובנ אס	CAMOI E ROTTI E NIMBERS					JD/TIME	1	r 8 1 M h	DATE JO	<u> </u>	PR
													CHL. Bot. no.		MBERS	FLUOR S/N					U L 0 4	U NO YR		GLOBEC/FOCI	PROJECT & LEG
													CHL VOL										ZIUS	_	
													COMMENTS				мах				REM	3 C (c) (dm) (2) (deg) (1/2) (1/2) (1/2) (1/2)	CLOUD (an	nt)	DSDB I.D. STATION DESIGNATION
																	MAX. DEPTH = m				REMARKS	61 1157 502	WEATHER		SIGNATION

bucket	12	=	10	9	8	7	6	5	4	ω	2	-	 SEO. DE	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+			CONSC	VESSEL
-													DESIRED	РТН	Ž		z 					OEG MIN	1	
													ROSETTE POSITION									· & 6		
													POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	Local	1 2 0		CRUISE ID
				-									SALT	SAMP			<u> </u>	- ا	1	ū	Local Date & Time	S 9 MIN		
													NUTRIENTS	E BOI ICE NO	FLOCK VZ					JD/TIME	-	- 00 VA VA	DATE 3D-	PRO
													CHL. Bot. no.	MERS	FLOOK VA			1	}		U L 0 4	MO YR		PROJECT & LEG
													CHL. VOL.									<del></del>	TIME (GMT)	
																						(°C)	DRY BULB	DS08 LD.
																						(°C)	WET BULB	
													COM									4 (mp)	PRESSURE SEA STATE VISIBILITY	
													COMMENTS									(deg) (m/s)	WIND WIND DIRN, SPD.	STATI
							!										MAX. DEPTH =	l   		OHO	REMARKS	09863	TYPE WEATHER	STATION DESIGNATION
	1							!									•			O4 a p 32a		168	1 2 0	2
																	3					90	STA. NAME/ID	

CRUSE IO	CRUSE ID   PROJECT & LEG   PROJECT & LEG	bucket	12	=	:	ő	9	8	_	7	6	<u>.</u>	4	ω	~	-	SEQ.	FIRED	3	PRI CO	SEC TE	PRI TEMP SN	PRESS SN	SBE 9+		9		CONSC	R/V Alp	
CRUSE ID	CRUSE ID   PROJECT & LEG   PROJECT & LEG     HX287																DESIRED	DEPTH	20.00	5 S 1	NS &	P SN	ž			58	DEG		ha Helix	
CONGITUDE   DATE JD=   TIME (GMT)   TIME (	CONGITUDE   DATE JD-   TIME (GMT) DRY BLLB																ROSETTI									. 95	MZ	ATTTUDE		
CATE JD=   TIME (GMT)   MIN   DAY   MO   YR   HR   MIN   MIN   DAY   MO   YR   HR   MIN	GLOBEC/FOCI  INN  INN  INN  INN  INN  INN  INN																E POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOW	DATA ON	TIMES	Local	-	DEG	16	HX287	CRI MSF (5)
DATE JD=   TIME (GMT)   DAY   MO   YR   HR   MIN   M	DATE JD	-															SALT					z 	!	ĵ.	Date & Time	1.	Ĭ⋚	NGTUDE		
CHL. VOL	CHL. VOL  CH							1									NUTRIENTS	E BOTTLE NUN						TIME		W 17	) DAY	<b>্ব</b>	ISLO	PRO
CHL. VOL	CHL. VOL  CHL. VOL  CH. VOL  C																	IBERS	FLUOR S/N		ļ —		<u> </u>		L 0	Г 0 4		-	BEC/FOCI	JECT & LEG
	G G BULB																CHL. VOL									4	71 2			
																	COMMEN									-	<del>ال</del> ا	* SEA STATE * VISIBILITY		
PRESSURE  O B PRESSURE  O SEA STATE  VISIBILITY	SEA STATE  VISIBILITY							İ									TS				<u>×</u>						5188	WIND SPD.	mt)	-
COMMENTS  COMMEN	COMMENTS  COMMEN																				AX. DEPTH =			9	MARKS		S	* TYPE * WEATHER		
COMMENTS  COMMEN	COMMENTS  COMMEN																		į		3			,120 mo				<del>                                     </del>	-	
COMMENTS  COMMEN	COMMENTS  COMMEN																						C	who will			9 1 2	STA, NAME/ID		_

bucket	12	11	10	9	8	7	6	5	4	ω	2		SEQ.	FIRED	SEC CC	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+		00	CONSC CAST #	R/V AI	VESSEL
												26	DESIREO	FIRED DEPTH	SEC COND SN	NO SN	NS dM	AS &	SN	Ĭ		10 PE	* 8	R/V Alpha Helix	
-																						0 2	LATI		
													ROSE									· ·	LATITUDE		
													ROSETTE POSITION			Σ	AT	ST	8	=		2 2	-	퐀	CR
													TION		PAR S/N	AT SURFACE	АТ О€РТН	START DOWN	DATA ON	TIMES	Loca	94 84 14 84	-5	HX287	CRUISE ID
		-										-	SALT					Z			Local Date & Time	· §	LONGITUDE		
		-			ļ	_				_	-	1		SAMPLE						JD/TIME	îme =	63 ×	-		
													NUTRIENTS	BOTTLE	FLUOR S/N					ĸ	Ė	<u>~</u> ≥	DATE		
-				-		-		-		-	-	-		UMBERS	<u>-</u>						J U L	<u>c</u> 8	Jo.	GLOBEC/FOCI	PROJECT & LEG
													CHL. Bot. no.		UOR S/N						0	0 3	-	2	₽ LEG
													כאר. עסר									-\frac{1}{2}	닉음		
*1	-	+	-	-	+	-	+	+	+		-	+	-	-								س	-	-	
																						3 2	DRY BULB	$\mid$	DSD8 i.D.
																							WET BULB	7	ī.
											:		j.		Ì							0	1	-	
								}															SEA STATE		
													COMMENTS									06	VISIBILITY	1	
													ľ									(00)	wind SPO.	+	STAT
													<u> </u>  -		į	1000		<u> </u>	C	REMARKS			* CLOUD (ami	5	STATION DESIGNATION
													! 			ייייטייי טכיייוי –	EDTU -		080	- 8 - 5		2	* WEATHER		GNATION
																			10	υŹ		00	воттом рертн		
																	3		0			38	STA. N		
																			9	\$		650	STA. NAME/ID		

11 10 9 8	9 8	9 8	9 8	8	7	6	5	u	2	11.3	SEQ. DESIRED ROSETTE POSITION SALT	<b>H</b>	PAR S/N	AT SURFACE	SV	PRESS SN DATA ON	SBE 9+ TIMES JE	Local Date & Time	20 N 14845	DEC NEW DEC	LATITUDE	R/V Alpha Helix HX287	VESSEL CRUSE ID	
										\	NUTRIENTS CHL. Bot. no CHL. VOL.	YLE BOTTLE NUMBERS	FLUOR S/N				JOTIME	3 U L O 4	w 19 JUL040	DAY MO YR HR MIN	DATE JD* TIME (GMT)	GLOBEC/FOC!	PROJECT & LEG	
											COMMENTS								14.0	(°C) (°C) (mb) * * (deg)	ORY BULB WET BULB PRESSURE SEA STATE VISIBILITY DRN.		DSDB I.D.	
														MAX. DEPIH			REMARKS		48   2   150 6154 A	(m/s) (m)	CLOUD (amt		STATION DESIGNATION	

5 6 11						7	1 30	+		2 50	183		ROSETTE POSITION SAL		PAR S/N	AT SURFACE	SEC TEMP SN AT DEPTH	PRI TEMP SN START DOWN	PRESS SN DATA ON	SBE 9+ TIMES	Local Date & Time	1895918.27114859.4	DEG MIN DEG MIN	CAST # LATITUDE LONGITUDE		N/ V Alfard Figure		VESSE! CRUISE ID		
											<del> </del>		NUTRIENTS CHL. B	APLE BOTTLE NUMBERS	FLUOR S/N					JD/TIME	101	OW PULL	DAY				GLOBEC/FOCI	PROJECT & LEG		
								\					CHL. Bot. no. CHL. VOL.		OR S/N		1				0 4	0 4		+	TIME (GMT)			LEG		
								11 42 CM1	M2016	1000	0	darid deplace	COMMENTS										Ø 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(C) (dm) • • (deg)	DRY BULB WET BULB PR SE STO ORN. ST	ATE		D\$08 (D.		
																	MAX. DEPTH = m				REMARKS		1 2 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	(m/s) · · · · (m)	SPO. CLOUD TYPE WEATH STA. NAME/ID		et)	O DESCRIPTION OF STREET	TO TEST TO TON	

VESSEL	CRUISE ID		PROJECT & LEG	DSDB I.D. STATION	STATION DESIGNATION
R/V Alpha Helix	нх287		GLOBEC/FOCI		
					YPE TEATHER BOTTOM
CAST #	LATITUDE LO	LONGITUDE DATE	I IME	טאן פטרם איני פטרם פי	3
OEG G	DEG	MIN DAY	3	(°C) (°C) (mb) (nvs) (nvs)	3 10 70
190593	. 73 N / 49	37w19	0 4 7	3/3.5 . 08 76761 437	70611717
	Local	Local Date & Time =	J U L 0 4		
SBE 9+	TIMES	JD/TIME		A. C. C. C. C. C. C. C. C. C. C. C. C. C.	REMARKS
PRESS SN	DATA ON				
PRI TEMP SN	START DOWN				
SEC TEMP SN	ат обртн				Y DESTU-
PRI COND SN	AT SURFACE			i e e	2000 Oct 111 -
SEC COND SN	PAR S/N	SAMPLE BOTTLE NUMBERS	LIMBERS VN		
SEQ. DESIRED	ROSETTE POSITION	SALT NUTRIENTS	CHL. Bot. no. CHL. VOL.	COMMENTS	
-		€2	1	Dirifter 437/6 de	DISSECT
2					4
ω				49	1.75 W
4				1404 CMI	
5					
თ					
7					
8					
g					
10					
=					
12					
bucket					

Ducket	12	11	ŏ	9	8	7	σ	n	^	4	w	2		SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	<u>.                                    </u>	c	consc cast #	R/V Als	VESSEL
													1.1	DESIRED	FIRED DEPTH	ND SN	NS OF	NS A	#P SN	SZ	<u> </u>		1 S 9 4		R/V Alpha Helix	
														ROSETTE POSITION									2 × 2 × 2 × 2	LATITUDE		
														POSITION		PAR S/N	AT SURFACE	AT OEPTH	START DOWN	DATA ON	TIMES	Local D	1492	LON	HX287	CRUISE ID
			:											SALT	SAMPL			1	1	<b>!</b>	JD,	Local Date & Time	D . 6 1	LONGITUDE		
														NUTRIENTS	E BOTTLE NU						3MIT/OF	-	₩	þ	ପ୍ର	PRO
													1	CHL. Bot. no.	SAMPLE BOTTLE NUMBERS	FLUOR S/I						U L 0 4	U L O Y	_	GLOBEC/FOCI	PROJECT & LEG
														CHL. VOL.									1512			
																							13.3	ORY BULB		DSD8 LD.
																								<u>β</u>		D.
														8									100	PRESSURE  SEA STATE  VISIBILITY		
														COMMENTS									[00]	WIND WIND DIRN. SPD. (m/s)		\$1.5
																		MAX OFFILE		-		SAGVINSO	2 +8 + 0	CLOUD (am TYPE WEATHER	it)	STATION DESIGNATION
																		로   "					Ň	воттом обртн		TION
																		3					5 B A	STA. NAME/ID		