VESSEL B // Thor	on C Thomp	··-	CRUISE ID		ing.	PROJECT & LEG		DSDB I.D.	Ģ		STA	STATION DESIGNATION しゅよく
NOT VOI	N/V Inomas 6. Inompson		INISS		- ICEVO	0		1100				
		16.00		09.62			2¢11		i i	TATE		D (amt)
CAST #		LATITUDE	LO≱	LONGITUDE	DATE JD=		TIME (GMT)	DRY BULB	WET BULB	PRES SEA VISIB	DIRN. SPD.	
	DEG	MIN	DEG	MIN	DAY	MO YR	HR MIN	(°C)	ш	\Box	(deg) (kts)	* * * (m)
06258		15.99 _N	17209		>	P R O 6	1114-	-2.7	•	8	5	6 145 D2H
SBE 9+			TIMES	ĵō,	JD/TIME							REMARKS
PRESS SN	- 1		DATA ON	1		l 	PAR on Bridge (µEinsteins m-2s-	μEinsteins m-2	?s-1) =			
PRI TEMP SN	SN		START DOWN			<u> </u>						
SEC TEMP SN	NS (AT DEPTH	1								
PRI COND SN	SS		AT SURFACE									MAX. DEPTH = m
SEC COND SN	NS C		PAR S/N			FLUOR S/N						
FIRED	DEPTH					SAMPLE BO	SAMPLE BOTTLE NUMBERS	\$				
SEQ. [DESIRED	ROSETTE POSITION	SITION	SALT	NUTRIENTS	CHL. Bot. no.	CHL. Bot. no. Phyto.Species ALK (MC)		DIC (MC)			COMMENTS
1	bat	97.2		6 £	10							
2	75.	75.5										
ω	60	60.8			バ							
4	56	5 6 ,5			び						38.	
v	40	44,3			15					W		
ø	30	3 6 H			151							
7	20	24,1			16							
œ	lo	Ιφ,ζ			7							(3)
9	0	3,2			50							
10												
=												
12												
bucket								9.				
								9:				

CONSC CAST # LATITUDE LONGITUDE LONGITUD	VESSEL R/V Tho	R/V Thomas G. Thompson	CRUISE ID TN193	5E ID	ICE06	ICE06		111106			(2)	- - ?
CONSTITUDE CONGTIUDE DATE JD. TIME (GMT) DRY BILLS DEG		<u>~</u>	8	46,12			13\$2			SSURE	STATE	BILITY
DEG	CAST #		TTUDE	LONGITUDE	DATE JD=		TIME (GMT)	DRY BULB	WET BULB	PRES	SEA	SEA
FLUOR SIVE TIMES DOTTIME PAR on Bridge (MEinsteins m-2s-1)		DEG				₹	HR MIN	(°C)		(mb)		* * (deg)
NN DATA ON PAR ON Bridge (LEinsteins m-2s-1 DESIRED ROSETTE POSITION SALT MUTRIENTS CHL. Bot. no. Phyto. Species ALK (MC) DIC DESIRED SA, 5 10 90,5 11 90,5 12 25 10 90,	9	~	0 0 z	21.	w 28 A	R O	1 3 p8	<u>()</u>	•	_	\ <u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>	(۵
DATA ON START DOWN AT DEPTH AT DEPTH AT SURFACE START DOWN AT SURFACE SAMPLE BOTTLE NUMBERS	SBE 9+	1	TIME		D/TIME							
START DOWN AT DEPTH AT SURFACE PAR SYN	PRESS S	ž	DAT	NON			PAR on Bridge ("Einsteins m-2	\sim			
AT SURFACE AT SURFACE TH RED ROSETTE POSITION SALT MUTRIENTS 19 19 20 19:4 25 24 25 27 20 19:4 27 27 27 20 27 27 27 27 27 27	PRI TEM	SS.	STAI	T DOWN						ı		
AT SURFACE TH	SEC TEM	AP SN	AT D	ЕРТН _								
PAR S/N SALT NUTRIENTS CHL. Bot. no. Phyto.Species ALK (MC) DIC	PRI CON		AT S	URFACE								
SAMPLE BOTTLE NUMBERS 199.5 199.5 199.5 20 20 20 20 20 20 20 2	SEC CON	ND SN	P	AR S/N		FLUOR S/N						
15 75.6 20 64.7 40 44.4 30 34.5 20 19.7 10 7.8	SEQ.	DESIRED	ROSETTE POSITIO		NUTRIENTS	CHL. Bot. no.	Phyto.Species /		DIC (MC)		51.45	Silva
20 19.7 10 20,5 10 20,5 20 19.7 10 2,7 20 19.7	-		99.5		19					-		
60 Cd, 7 40 40, 4 3ε 3φ, 5 20 19. 7 10 9,8 0 2,7 7	2		75,6		20							
το 5φ.7 40 μφ.μ 30 3φ.5 10 9.8 0 2.7 0 7.7	ω		Cd.7	1.00 1.00	21							
40 40,4 30 30,5 20 19.7 10 9.8	4		54.7		22					ı		
20 19.7 10 9.8 0 2.7	ر.		ት ф. ዛ		23							
20 19.7	6	1	3 φ.5		24							
0 2,7	7	 	19.4		25							
, th	œ	6	8/6	0	2						8	Š
112	9	0	1,4		tr					-		ň
12	10									_		
12	=									\vdash		
	12									-		

VESSEL	CRUISE ID		PROJECT & LEG		DSDB I.D.		8	STATION DESIGNATION
CONSC LATITUDE	LONGITUDE	TUDE DATE		TIME (GMT)		WET BULB PRESSURE	SEA STATE VISIBILITY DIRN.	AV (amt) WIND DD (amt) TYPE WEATHER WEATHER DEPTH STA. NAME/ID
DEG 57 0	DEG 1 N 17038	92 w		20.49 -	ල්. ව	(°C) (mb)	3 4 b	45 (m)
SBE 9+	TIMES	JD/TIME						REMARKS
PRESS SN	DATA ON			PAR on Bridge (µEinsteins m-2s-	Einsteins m-2s-1	33	30.0 uE =/	N .
PRI TEMP SN	START DOWN							
SEC TEMP SN	AT DEPTH					į.		
PRI COND SN	AT SURFACE]—					MAX. DEPTH = m
SEC COND SN	PAR S/N		FLUOR S/N	N				
FIRED DEPTH		_	SAMPLE B	SAMPLE BOTTLE NUMBERS				
SEQ. DESIRED ROS	ROSETTE POSITION	SALT NUTRIENTS		CHL. Bot. no. Phyto.Species ALK (MC)	DIC	(MC)		COMMENTS
1 70.5		30 28						
2 60.5		20						
3 50.7		30	\					
4 41,0	X	<u>0</u> 3	7	7		229	29	
s 30.4		32						
6 20.2		30 33	5			,		
7 10.3		34	7	\				
8 2,9		ယ က	ν ₁					
9						•		
10								
=								
12								
bucket								

VESSEL R/V Thomas G. Thompson	CRUSE ID	PROJE	PROJECT & LEG		DSDB (.D. 1TT06	у.		STA	STATION DESIGNATION D3H
CONSC LATITUDE	LONGITUDE	DATE JD.	,	TIME (GMT)	DRY BULB	WET BULB	PRESSURE SEA STATE VISIBILITY	AME AND WIND WIND SPO.	CLOUD (amt) TYPE WEATHER BOTTOM STA. NAME/ID
DEG	DEG MIN		MO YR	HR MIN	(°C)	ш	*	\Box	* * * (m)
0655819.20	N 17235.	27 w 29 A	P R 0 6	653	5 4			01218	1
SBE 9+	TIMES	JD/TIME		9	5				REMARKS
PRESS SN	DATA ON		0-	PAR on Bridge (μEinsteins m-2s-1	μEinsteins m-2	15-1) = 0500	ď		<u>ation</u>
PRI TEMP SN	START DOWN					3	-		
SEC TEMP SN	AT DEPTH								
PRI COND SN	AT SURFACE	1							MAX. DEPTH ≠ m
SEC COND SN	PAR S/N		FLUOR S/N						
FIRED DEPTH			SAMPLE BOT	SAMPLE BOTTLE NUMBERS					
SEQ. DESIRED ROSETTE	ROSETTE POSITION SALT	NUTRIENTS	CHL. Bot. no. Phyto.Species ALK (MC)	hyto.Species A	^	DIC (MC)		•	COMMENTS
1 102.	8	_					_		
2 76.0		ب		,					
3 60,8		W	J.						
4 50.5		٢	\		ij				
5 40.3		J	1	<u> </u>			1.0		
6 30.3		G	<						
7 20.2		t	1						
8 10,3	,	00	7	7					
9 2.9		ڡ	<	<u> </u>					
10									
									Œ.
12									
bucket	_								

VESSEL R/V Thomas G. Thompson	3. Thompson	CRUISE ID TN193	£2	PROJE	PROJECT & LEG		DSDB I.D. 1TT06	<u> </u>	SURE	STATE	STATE IILITY
CONSC CAST #	LATITUDE	LONG	LONGITUDE	DATE JD=		TIME (GMT)	l_	DRY BULB	DRY BULB WET BULB	PRESSURE SEA STATE	WET BULLB PRESSURE
DEG	Н	DEG	MN		o X	HR MIN		(°C)	(°C)	(°C) (mb) *	(*C) (mb) * *
0665	. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.	17238	. 48	W کے 0 A P	R O 6	22 4		ار ب			. 1 . 24 c
S8E 9+		TIMES	JD/TIME	ñ		1	l				
PRESS SN		DATA ON			· -	PAR on Bridg	8)e (μEinsteins m-i	PAR on Bridge (µEinsteins m-2s-1) = 5	~	~
PRI TEMP SN		START DOWN			·		l		-		, ,
SEC TEMP SN		AT 0EPTH			1		i				
PRI COND SN		AT SURFACE					1				
SEC COND SN	;	PAR S/N			FLUOR S/N		l' .	8	N	8	8
FIRED DEPTH	H.				SAMPLE BO	SAMPLE BOTTLE NUMBERS	ı on	S	S	S	s
SEQ. DESIRED	ROSETTE POSITION	POSITION	SALT NU	NUTRIENTS C	HL. Bot. no.	CHL. Bot. no. Phyto.Species ALK (MC)			ALK (MC) DIC (MC)	Dic	Dic
-				*							
2								Æ	76	25	70
ω											
4											
5			_								
6											
7											
ထ											
o.											
10											
=					5						
12						ı					
bucket			_								

	9 U.	17 7		\$ ()					3	- L	<i>y</i>	3	K 4 (()		ロシロ		7 7	5 40.4	4 50.8	3 6C	100 Q	2 75.9	1 100	6.8	SEQ. DESIRED ROSETTE POSITION SALT NUTRIENTS CHL. Bot. no. Phyto. Species ALK (MC) DIC (MC)		SEC COND SN PAR S/N FLUOR S/N	PRI COND SN AT SURFACE		SEC TEMP SN AT DEPTH	TRU ILDIY JIY	ž	PAR ON Bridge (µEinsteins m-25-1) = 6/3		SBE 9+ TIMES JD/TIME		0675 20 00 N 1 1 2 2 2 . 1 2 W 2 9 A P R 0 6 22 29 - 5 . 6 24	DEG MIN DEG MIN DAY MO YR HR MIN (°C) (°C) (mb) * *	CONSC CAST # LATITUDE LONGITUDE DATE JD= TIME (GMT) DRY BULB WET BULB PR SEA STIBILITY SEA STIBILITY SEA STIBILITY		R/V Thomas G. Thompson TN193 ICE06 1TT06	VESSEL CRUISE ID PROJECT & LEG DSDB I.D.		
																		•							C) COMMENTS			MAX. DEPTH =	845783	Q	NAME OF	2	6/3	712	REMARKS	1 1 2 2 1 2		(mb) *	PRESSURE	(3)		STATION DESIGNATION	I multaneous can with	

VESSEL R/V Tho	VESSEL R/V Thomas G. Thompson	3 .	CRUISE ID TN193	Ď Į	PROJE	PROJECT & LEG	0521	DSDB I.D. 17T06	D.			
CONSC CAST #		31.545 LATITUDE	LONG 7	29,47	DATE JD=		TIME (GMT)	DRY BULB		WET BULB	WET BE BUILD PRESSUR	WET BULB PRESSUR
	DEG	MIN	DEG	MIN	DAY	MO YR	HR MIN	(°C)		Н	(°C) (mb) *	(°C) (mb) * *
0	68583	. 53 N	17329.		50 w 30 a	P R O 6	\$528	7	0	O	. 0 . 22	. 22 0
SBE 9+			TIMES	/ar	JD/TIME							1
PRESS SN	_		DATA ON	I			PAR on Bridge	돑	insteins m-	PAR on Bridge (µEinsteins m-2s-1) = 7	\sim	H
PRI TEMP SN	š 		START DOWN	1			At .	ľ	160 00	ı	0	0
SEC TEMP SN	PSN		AT DEPTH	[C	C	C
PRI COND SN	NSO		AT SURFACE					ı				
SEC COND SN	D SN		PAR S/N			FLUOR S/N						
FIRED DEPTH	DEPTH					SAMPLE B	SAMPLE BOTTLE NUMBERS	ויי				
SEQ.	DESIRED	ROSETTE POSITION	SITION	SALT	NUTRIENTS	CHL. Bot. no.	CHL. Bot. no. Phyto.Species ALK (MC)	≥		K (MC) DIC (MC)	PC PC	PC PC
_	5	119%		48	19							
2	OO.	101.0			10		×					
ω	\$ £	76			2							
4	60	80.00			2.7							
v	57	503			23							
6	ट्	44.44			24							
7	gr.	30,2			25							
œ	8	24.2			26							
9	(0)	- - - - - - -			73	- 1						
10	0	2.6			28							
=												
12								:				
bucket												

VESSEL R/V Thomas G. Thompson	CRUISE ID	PROJE	PROJECT & LEG		DSDB I.D.		STA	STATION DESIGNATION
4							Έ	
20.10	34.24	<u> </u>	<u>~</u>	9424				JD (ai
CAST # LATITUDE	LONGITUDE	E DATE JD=		TIME (GMT)	DRY BULB W	WET BULB	SEA	CLO TYPI
	DEG		Mo TR	HR MIN	Ĉ	(°C) (mb)	b) * * (deg) (kts)	* * * (m)
4695828.19 N	17334.	28 w 30 A	P R 0 6	75 2	リ は ・ ひ	. 2	22 04817	7 124 04 12
SBE 9+	TIMES	JD/TIME	_					REMARKS
PRESS SN	DATA ON		2	PAR on Bridge (μEinsteins m-2s-1	insteins m-2s-1) <u> </u>		(930690) dat
PRI TEMP SN	START DOWN		 	At ice edge	600			
SEC TEMP SN	AT DEPTH		 		(
PRI COND SN	AT SURFACE]					MAX. DEPTH = m
SEC COND SN	PAR S/N		FLUOR S/N_					
רות פט	Τ		SAMILE BOLLES NOMBERS	I CC NOMBERO	-		Ā .	
SEQ. DESIRED ROSETTE POSITION	POSITION SALT	NUTRIENTS	CHL. Bot. no. Phyto.Species ALK (MC)	yto.Species ALI	((MC) DIC	(MC)	Shila	COMMENTS
1 bet 116,4	23	30						
2 160 164.9		31						
3 25 75%		32						
4 60 64.4		33						
5 50 54.H		34						
e 40 44.5		35						
7 30 34.3		36	=					_
8 26 24.3		37				1	12	
9 10 163		38						
10 0 2.8		39						
11								
12							ą.	
bucket								

PROJECT & LEG ICEO6 TIME (GMT) DRY BU MO YR HR MIN (*C) A P R 0 6 1 C C C (µEinstein PAR on Bridge (µEinstein SAMPLE BOTTLE NUMBERS SAMPLE BOTTLE NUMBERS	DSDB I.D 1TTO6 1TIME (GMT) DRY BULB HR MIN (°C) 6 1 C OS ULE Insteins m-22 PAR on Bridge (LEinsteins m-22 PROTO Spacies ALK (MC) D	DSDB I.D. 11TT06 TIME (GMT) DRY BULB WE HR MIN (°C) HR MIN (°C) PAR on Bridge (µEinsteins m-2s-1) PAR on Bridge (µEinsteins m-2s-1)
	- B	TOG TOG TOG TOG TOG TOG TOG TOG

VESSEL R/V Thomas G. Thompson	CRUISE ID		PROJE	PROJECT & LEG		DSDB I.D.	D.	10	STATION DESIGNATION
								E	
16.51		56,01			1216			STAT	JD (a : THER
CAST # LATITUDE	-	LONGITUDE	DATE JD=		TIME (GMT)	DRY BULB	WET BULB	SEA	TYP
DEG	DEG	MiN	DAY	MO YR	HR MIN	(°C)	(°C)	* *	* * * (m)
P715816:	3	6 . \$ 5	w 3 ф д	P R 0 6	1222	- 4. B		19 453	24 1
SBE 9+	TIMES	Jū	JD/TIME						REMARKS
PRESS SN	DATA ON			-	PAR on Bridge (μEinsteins m-2s-1	(μEinsteins m-i	2s-1) =		
PRI TEMP SN	START DOWN			l 					
SEC TEMP SN	AT DEPTH	1		l 					
PRI COND SN	AT SURFACE								MAX. DEPTH = m
SEC COND SN	PAR S/N			FLUOR S/N					
FIRED DEPTH				SAMPLE BC	SAMPLE BOTTLE NUMBERS] ",			
SEQ. DESIRED	ROSETTE POSITION	SALT	NUTRIENTS	CHL. Bot. no.	CHL. Bot. no. Phyto.Species ALK (MC)		DIC (MC)		COMMENTS
1 bot 119	119.7	86	50						
<u> </u>	I\$I.∲		<u>\$</u>						
3 75 7	75.9		5,7				(i) c		
4 60 6	64.2		53		92			N.	
5 56 5	54,5		ک <u>ہ</u>			3			VA.
6 45 H	40.5		55						
7 30 3	34.7		76			ž.			
8 20 2	26.7		57						
9 10	16.1		58						
10	3.2		59						
7									
12									
bucket		_							

VESSEL	CRUISE ID	PROJECT & LEG	FIEG	DSDB I.D.	ST	STATION DESIGNATION
R/V Thomas G. Thompson	TN193	ICE06		17706		
13.50	42,24	V	1349			ID (amt) THER
CAST # LATITUDE	LONGITUDE	DATE JD=	TIME (GMT) DI	DRY BULB WET BULB	SEA VISIE DIRN.	TYPE
DEG MIN	DEG MIN	DAY MO	YR HR MIN	(°C) (°C)) * * (deg)	* *
4725813.49N	12402.41	w 3 4 A P R	061355-	4 . 7 		23
SBE 9+	TIMES	JD/TIME				REMARKS
PRESS SN	DATA ON		PAR on Bridge (µEinsteins m-2s-1)	nsteins m-2s-1) =		
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		SA	SAMPLE BOTTLE NUMBERS			777 S
SEQ. DESIRED ROSETTE POSITION	POSITION SALT	NUTRIENTS CHL. E	CHL. Bot. no. Phyto.Species ALK (MC)	(MC) DIC (MC)	Ship	COMMENTS
1 bot 124	87	60				
2 100 101.1		61				
3 75 75.5		62				
4 66 60 8		63	=			
s 50 50.)		119				
6 40 39.9		65		-21		
7 30 34.0		66				
		67			26	
9 (6)0,2		89				
0 0.		69				
12						
bucket			:			

VESSEL R/V Thomas G. Thompson	CRUISE ID		iceoe Proji	PROJECT & LEG		DSDB I.D.	0.		13	STATION DESIGNATION D4H2
A Holles at Houseson	1000		10500			11100		_] 	
CONSC LATITUDE		LONGITUDE	DATE JD=		TIME (GMT)	DRY BULB	WET BULB	PRESSURE SEA STATE VISIBILITY	WIND WI	SPO. CLOUD (amt) TYPE WEATHER DEPTH STA. NAME/ID
		MOLLODE	7	+	(301)	021	Д.,	s	4	T V
166838EEP	0 5 1 7 2 2	4	* 2 5 2 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ם ס	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			7 (110)	7 4 7 7 7 7 7 7 7 7 1 7 1 7 1 7 1 7 1 7	
SBE 9+	- 1									REMARKS
PRESS SN	DATA ON			→ I	PAR on Bridge (μEinsteins m-2s-	μEinsteins m-2	<u>-</u>	202		Production CTV Dair
PRI TEMP SN	START DOWN	- 								, C PX
SEC TEMP SN	AT DEPTH									
PRI COND SN	AT SURFACE		p.							MAX. DEPTH = m
SEC COND SN	PAR S/N			FLUOR S/N						
FIRED DEPTH				SAMPLE BO	SAMPLE BOTTLE NUMBERS					
SEQ. DESIRED	ROSETTE POSITION	SALT	NUTRIENTS C	HL. Bot. no.	CHL. Bot. no. Phyto.Species ALK (MC)		DIC (MC)			COMMENTS
1								*		
2										
ω										
4									30	
S									Les	# 0
6								٠,	MMX	
7								0		J.,
σο								7	المحال	
9										
10								4		
1										
12										
bucket										

VESSEL R/V Thomas G. Thompson	CRUISE ID		PROJE	PROJECT & LEG		DSDB I.D.	ο.		STAT	STATION DESIGNATION 3442
								E		
CONSC	ATTRI DE		5		TIME (GMT)	75 8 8 8 8	WET R	PRESSURE SEA STATE /ISIBILITY	Arc Arc WIND WIND	CLOUD (ami
DEG	DEG	<u> </u>	DAY MO	° ∌	HR MIN	(°C)	- 1	*		* * * (m)
<u>ک</u>	7.9211733	5 S	M S C W	R 0 6	101811	- b . 3				
SBE 9+	TIMES	JD/TIME	ME							REMARKS
PRESS SN	DATA ON				PAR on Bridge (µEinsteins m-2s-	μEinsteins m-2	(s-1) = 2	04		Production CTD pair
PRI TEMP SN	START DOWN							•		120
SEC TEMP SN	AT DEPTH									Niskin 9, 10 top sour-don
PRI COND SN	AT SURFACE		1							MAX. DEPTH = m hot fully close
SEC COND SN	PAR S/N			FLUOR S/N			6.25			
FIRED DEPTH				SAMPLE BO	SAMPLE BOTTLE NUMBERS					
SEQ. DESIRED	ROSETTE POSITION	SALT	NUTRIENTS	HL Bot. no.	CHL. Bot. no. Phyto.Species ALK (MC)		DIC (MC)		ດ	COMMENTS
8.911 1		88	, <u> </u>							The stand
2 101.1			75		7	:				
			30							
4 60.1			40							
s 50.			5 /	V .						
6 40.5			60	_	7					
7 30.3			7	/						
8 20.6		8	< \	7	_					
9 10.0		q	1	_			-			
10 2.9		1	lo C	7	<u> </u>					
1										
12										
bucket										

2					I	Ι	ľ				<u> </u>	Γ	· .	<u>الر</u>	SE	ヌ	SE	3	ヌ	SB	0		0.0	₹≲
bucket	12	=	10	9	œ	7	ი	5	4	ω	2	-	SEQ.	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	75		CONSC CAST #	VESSEL R/V Thon
		2.7	10.0	20.	30.2	40.5	50.6	60.7	75.7	00.8	126.2	138.4	DESIRED	DEPTH	NS O	SN	NS	NS	- 	1	দ্ব	DEG	C	VESSEL R/V Thomas G. Thompson
													ROSETTE								32858	X.	ATITUDE	son
													ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	N 1764	DEG	ر ا	CRUISE ID TN193
		96											SALT				Ì	z 	l	jo	10.33	<u>N</u>	LONGITUDE	
		2)	20	19	×	ĺΊ	16	(>	4	6	12	=	NUTRIENTS							JD/TIME	w 0 1	DAY	DATE JD=	ICE PRO
		7	7	<	<	7	1						CHL. Bot. no.	SAMPLE BO	FLUOR S/N						№ A 0 6	MO YR	01-1hun	PROJECT & LEG
		5	7				1						CHL. Bot. no. Phyto.Species ALK (MC)	SAMPLE BOTTLE NUMBERS					PAR on Bridge ("Einsteins m-2s-1		11727	玉 MN	TIME (GMT)	
		:									5			S					(μEinsteins m-		-7.3	(°C)	DRY BULB	17T06
							-						DIC (MC)					8	11		•	(°C)	WET BULB	. P.
						,							Lugois						840			(mb) * *	PRESSURE SEA STATE VISIBILITY	
											1										3613	(deg) (kts)	ALO ALO WIND WIND DIRN. SPD.	STA
							-						COMMENTS			MAX. DEPTH =				REMARKS		* * (m)	CLOUD (amt) TYPE WEATHER DEPTH ON	STATION DESIGNATION 8
										ļ						3					6 511 111		M STA. NAME/ID	1413

DATE JD— DAY DAY DAY DAY DAY DAY DAY D	DSDB I.D. ICEO6 ICEO6 ITIME (GMT) DAY MO YR HR MIN (°C) (°C) (mb) * * DAY MO TR HR MIN (°C) (°C) (mb) * * DAY MO Bridge (µEinsteins m-2s-1) = 325 NUTRIENTS CHL Bot. no. Phyto.Species ALK (MC) DIC (MC) DSDB I.D. DSDB I.D. ITTO6 OSDB I.D. OSD
TIME (GMT) DRY BULB 1TT06	TIME (GMT) DRY BULB WET BULB RESSURE SEA ATE
SOB 1.D	DIC (MC) Sm-2s-1) = 325 (*C) (mb) PRESSURE * SEA STATE * VISIBILITY
	(*C) = 325 - (*C) BULL - (*C)

VESSEL R/V Thomas G. Thompson		CRUISE ID TN193		ICE06	ICE06		11106	,		و	STATION DESIGNATION	[T]
									TE			
CONSC				0 1	01-1hay-2006	THE COLT		2 2 3	RESSURE EA STATE	WIND	LOUD (am YPE /EATHER	BOTTOM
25	MIN ODE	LOINGI LODE	VIIII	DAY DE	\$ "	TIO MINI	(2)	(2)	* s	4	* с	
<i>ω</i>	7.67 z	(N)	84	8	0	2000	-6.7		Y	\dashv	ω W	14
SBE 9+	TI		JD/TIME			E					REMARKS	
PRESS SN	DA	DATA ON				PAR on Bridge	PAR on Bridge (µEinsteins m-2s-	1) = 3	63		ا مل	e. CI
PRI TEMP SN	ST	START DOWN										- A
SEC TEMP SN	AT	AT DEPTH			l							
PRI COND SN	AT	AT SURFACE		1							MAX. DEPTH =	= H.
SEC COND SN		PAR S/N			FLUOR S/N							
FIRED DEPTH		1			SAMPLE BO	SAMPLE BOTTLE NUMBERS	S					
SEQ. DESIRED	ROSETTE POSITION		SALT NI	NUTRIENTS	CHL. Bot. no.	CHL Bot. no. Phyto.Species ALK (MC)		DIC (MC)			COMMENTS	
1 136.6				22	Ε,		4					
2 126.2				23								
3 101.93				24			4					
4 75.8				25								
5 60.4				26			By .					
6 50.2				27	5							
7 40.4				28	<		0					
8 35.				29		_	D 200					
9 30.)] [100	30	<							
10 20.2				31	V	_	11					
11 10.6				32	<	<	3					
12 3.7				33	<	<	12		:			
bucket												

And 35 daysho 125

bucket	12	=	10	9	œ	7	6	ر.	4	ω	2	-	SEQ.	FIRED	SEC C	PRI CO	SEC TL	PRI TEMP SN	PRESS SN	SBE 9+	07		CAST #		RV 11	VESSEL
			0	(0)	20	28	VO	50	60	34	140	to ot	DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	MP SN	SE SE	†	859	DEG			R/V Thomas G. Thompson	_
			2.9	9,9	202	25.3	8,04	50,6	60.8	75,8	101.3	136,5	ROSETTE POSITION								N 8 5 8 8 4	MiN	LATITUDE	22 671	pson	
													OSITION		PAR S/N_	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	181921	DEG	LON	_	TN193	CRUISE ID
									-	,		9	SALT				1	l	1	5	9.08	MIN	LONGITUDE	9		
			t	42	7	40	73'	53	42	36	35	34	NUTRIENTS						-	JD/TIME	w 02 m	DAY	DATE JD=		<u>.</u>	73
													CHL. Bot. no.	SAMPLE B	FLUOR S/N]						MO YR	II		ICE06	PROJECT & LEG
·													CHL Bot. no. Phyto.Species ALK (MC)	SAMPLE BOTTLE NUMBERS	2				PAR on Bridge		0559	HR MIN	455φ TIME (GMT)			
			5		4			18	-	19	20	2	ALK (MC)	S	•				PAR on Bridge (µEinsteins m-2s-1		-5.A	(°C)	DRY BULB		111706	DSD8 I.D.
													DIC (MC)						25-1) = 1			(°C)	WET BULB			.D.
						45						,	Phylosop						56		5	(mb) * *	PRESSI SEA ST VISIBIL	TATE.		
															-						53016	(deg) (kts)	WIND WIND DIRN. SPD.			STA
													COMMENTS			MAX. DEPTH =				REMARKS	-	(m)		HER		STATION DESIGNATION
										3						m					42 € 24			2 E2H(

2.67

75.08

VESSEL	CRUISE ID	PROJECT & LEG	6)	DSDB I.D.	ST	STATION DESIGNATION
R/V Thomas G. Thompson	TN193	ICE06		17706	-	
			·····		ATE	166
HO.66	59.56		2780 1		STA	UD (
CAST # LATITUDE	LONGITUDE	DATE JO=		DRY BULB WET BULB	PRES SEA VISIT DIRN.	SPD. C F S DEPTH STA. NAME/ID
DEG MIN	l	DAY MO YR	R HR MIN	(°C) (°C)	(mb) * * (deg) (k	(kts) * * * (m)
4705940.64N	17659.5	7 w 4 2 1 1 1 0 6	\$852-	. H	15 4231	16 16 E2HZ
S8E 9+	TIMES JC	JD/TIME				REMARKS
PRESS SN	DATA ON	n g	PAR on Bridge (µEinsteins m-2s-1)	nsteins m-2s-1) =		
PRI TEMP SN	START DOWN					
SEC TEMP SN	AT DEPTH			. Too		
PRI COND SN	AT SURFACE	•		* 50		MAX. DEPTH = m
SEC COND SN	PAR S/N	FLUOR S/N	S/N			8
FIRED DEPTH		SAMPU	SAMPLE BOTTLE NUMBERS			
SEQ. DESIRED ROSETTE POSITION	POSITION SALT	NUTRIENTS CHL Bot.	CHL Bot. no. Phyto.Species ALK (MC)	(MC) DIC (MC)	5156	COMMENTS
1 bat 150	キ ゆマ					
2 125 125.7		L).				
3 100 164.9		w				
4 75 75.5	-	4				
5 So 54.5		5	:#: 1			
6 40 Hp.3	33	6				
7 30 3¢,5		ئ				
8 20 19,5		∞			94-	
9 10 10,2		9				
10 0 2.6		0				
11						
12					76	
bucket				=	8	

bucket	12	=	10	9	00	7	6	v	4	ω	2	_	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	080	CAST #	CO	R/V TI	VESSEL
		0	16	20	30	40	50	4)	100	125	(50	bot	DESIRED	FIRED DEPTH	ND SN	NS ON	MP SN	MP SN	SE .	1	5	3		R/V Thomas G. Thompson	_
		3,3	14.1	24.1	34,2	1.4H	54.5	40.0	100.8	125.5	151, 5	4.44)	ROSETTE								٠ له س	LATITUDE	14:06	pson	
						,							ROSETTE POSITION	:	PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	2 7 7 7	_		TN193	CRUISE ID
					and the second s						,	008	SALT					1		JD/	 	LONGITUDE	11.66		
	,	2	20	(9	20	コ	8	15	hi	3	2	=	NUTRIENTS							JD/TIME	78 w 4 2 04	DATE JD=		ICE06	PR
					1								CHL. Bot. no.	SAMPLE BO	FLUOR S/N						12	§		06	PROJECT & LEG
													CHL. Bot. no. Phyto.Species ALK (MC)	SAMPLE BOTTLE NUMBERS		المعرده	10/ los	Chul W	PAR on Bridge (µEinsteins m-2s-1	-15 at 5	<u> </u>	TIME (GMT)	04.11		
				,	The state of the s			-					J	S	0	recovers 00	no berai	ر کر کرخ	(µEinsteins m-	天	-5.6	DRY BULB		17706	DSDB I.D.
	/	22			نو		24	34 55		26		27	DIC (MC)				~			of am		WET BULB			D.
	1				. 45								S1,125				News C	Buch chine		recover		* SEA	SSURE STATE	- -	
0	lon	tak	Nor	1	٠.٢								DIC	Medissa			ctd on	thematic	0		ф2519 ф2519]. 	ST.
0	1 DIVINA	er hood	arp -	- Annew									COMMENTS			MAX. DEPTH =		8		REMARKS		* CLC	OUD (amt)		STATION DESIGNATION
	3	ton.	Janet 1	J. C.	, co											로 # 					\ 8 3	DEPTH]	ATION E
	0	4	www.	100	ink	ple										3					E 2 H 3	STA. NAME/ID		3	とせい

	12	=	10	ဖ	œ	7	Ø	S	4	ω	2	_	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+) 8¢		CAST #	-	R/V Th	VESSEL
			0	O	20	30	40	8	2.F	100	125	6 3	DESIRED	FIRED DEPTH	NS ON	D SN	AP SN	PSN	ž 	I	65			· ·	R/V Thomas G. Thompson	
			∑3	14,)	24.2	3\$.6	44.3	CØ.9	75.6	101.2	125.9	±41	ROSETTE POSITION								3 2 . 8 1 z	MZ.	LATITUDE	32,65	Son	
												345	POSITION		PAR S/N _	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	1 7 7	DEG	LON .		TN193	CRUISE ID
	η				1							٥	SALT					I	20	jo	23. 41	MN	LONGITUDE	23,52		
			(v)	30	29)	260	27	24	25	24	23	22	NUTRIENTS							JD/TIME	₩ Ф 2	DAY	DATE JD=		C	PA
													CHL Bot. no.	SAMPLE B	FLUOR S/N						A R O 6	Mō ☆	11		ICE06	PROJECT & LEG
													CHL Bot. no. Phyto.Species ALK (MC)	SAMPLE BOTTLE NUMBERS	V				PAR on Bridge		1352-	HR MIN	TIME (GMT)	545		
													ALK (MC)	S					PAR on Bridge (µEinsteins m-2s-1		HS1.6	(°C)	DRY BULB		11106	DSD8 i.D.
													DIC (MC)						-2s-1) =		•	(°C)	WET BULB	. 4		Ë
_	1 / N/2-	ر 0	こ																		দ	(mb) * *	SEA	SSURE STATE BILITY	-	
47	200 100 100 100 100 100 100 100 100 100	1304 2	ET -						:					100							431		DIRN.	S S S S S S S S S S S S S S S S S S S		
0/2/0	e start at	, ,											COMMENTS			MAX. DEPTH =				REMARKS		(kts) * * * (m)	TYP	UD (amt) E ATHER		STATION DESIGNATION
	414															m					E 2 H 4	-	TH STA. NAME/ID			

PRESS SN SEC COND SN PRI COND SN SEC TEMP SN PRI TEMP SN SBE 9+ \$825928. VESSEL R/V Thomas G. Thompson 32.4,32.8 SEQ. FIRED DEPTH CAST # 12 = 10 œ 6 ω N 202.1 DESIRED 215.2 15% 75. 100.9 127.1 76.8 30.2 59.9 10.3 19.0 3.03 40.3 255 LATITUDE ROSETTE POSITION 9 8 N 8 CRUISE ID TIMES TN193 AT SURFACE AT DEPTH START DOWN DATA ON 7735. PAR S/N LONGITUDE SALT X 最低 T 中 M 60 0 JD/TIME NUTRIENTS 117 56 5 55 52 46 DATE 8 47 Ď, 50 PROJECT & LEG ICE06 CHL. Bot. no. Phyto.Species ALK (MC) FLUOR S/N_ SAMPLE BOTTLE NUMBERS 0 6 ⋨ PAR on Bridge (µEinsteins m-2s-1) = TIME (GMT) 丟 559 <u>-</u>5 DRY BULB 20 名の 33 K 20 ω $\langle v \rangle$ 33 9J DSDB I.D. 90111 Ø DIC (MC) WET BULB O 9.0 PRESSURE SEA STATE VISIBILITY DIRN. ~ STATION DESIGNATION SPO. COMMENTS MAX. DEPTH = REMARKS TYPE WEATHER ВОТТОМ STA. NAME/ID **ビルル5** 3

3

/ 14)3 bucket	12	11	10	9	ω	7	6	5	[.	4	ω 4	Δ ω ν
a			_										
	:												
				i			No	1 / 1/100	_	3 7 9 2		1	70
								moles land					
1				i	2								

250 PG OF OF 1750 PG 100

VESSEL R/V Thomas G. Thompson		CRUISE ID TN193		ICE06	ICE06		1TT06				STATION DESIGNATION
הטאבה				02-	02-May-206				SSURE	April WIND	ATHER
CAST #	LATITUDE	רנ	LONGITUDE	DATE JD=	1	TIME (GMT)	DRY BULB	WET BULB	SEA	DIRN.	CLO TYPI
DEG	MIN	DEG	MIN	DAY	MO YR	HR MIN	(°C)	(°C)		ш	*
084592	241.1951N	177:	2	M	χ (2101	- H - 8	•	15	-	
SBE 9+		TIMES	/ar	JD/TIME							REMARKS
PRESS SN		DATA ON				PAR on Bridge	PAR on Bridge (µEinsteins m-2s-	1) =	344		2 1 2 CTD>
PRI TEMP SN		START DOWN	z			·					1
SEC TEMP SN		AT DEPTH									
PRI COND SN		AT SURFACE						_			MAX. DEPTH =
SEC COND SN		PAR S/N			FLUOR S/N	۷	1	_	,		
FIRED DEPTH					SAMPLE BO	SAMPLE BOTTLE NUMBERS	Š				
SEQ. DESIRED	ROSETTE POSITION	SITION	SALT	NUTRIENTS	CHL. Bot. no.	CHL. Bot. no. Phyto.Species ALK (MC)	65	DIC (MC)	,		COMMENTS
, 292.0				85				*			
2 252.5			,	59					,		
3 202.3				60							
4 176.2	-			6							
5 151.6		a .		62							·
6 100.6				63							
7 75.9				64			þ	,			
8 60.4				<u>ئ</u>							
9 50.6				99	7			,			
10 40.7				67	7						:
11 30.3				83		5					
12 20,3				69		7					
bucket 10.1				70	7	7					
200	-		/	1				_	,		

VESSEL R/V Thomas G. Thompson	Thompson	CRUISE ID		PROJE	ICEO6 PROJECT & LEG	2	DSD8 I.D. 1TT06	D,		ST	STATION DESIGNATION
			1						ATE		ER 294 E311
consc	10,17		52,51			17.63					ATH BOTTOM
CAST #	LATITUDE	LONK	LONGITUDE	DATE JD=		TIME (GMT)	DRY BULB	WET BULB	PRES	DIRN. S	SPD. C F W DEPTH STA. NAME/ID
DEG		DEG	MIN	DAY	MO YR	HR MIN	(°C)	(°C)	(mb) * *	(deg) (kı	(kts) * * * (m)
08559	21.01	N 12757	7	<u> </u>	の名が。。		-2.2	•	1 4	-	516
SBE 9+		TIMES	JD/	JD/TIME							REMARKS
PRESS SN	1	DATA ON			70	PAR on Bridge (μEinsteins m-2s-1	(μEinsteins m-	2s-1) =			
PRI TEMP SN	8	START DOWN				problems	ومالجير يمه	scale	ate desp	oth Sunde	
SEC TEMP SN		AT DEPTH	1			actual		ķ	510m		
PRI COND SN		AT SURFACE									MAX. DEPTH = m
SEC COND SN		PAR S/N			FLUOR S/N						
FIRED DEPTH					SAMPLE BO	SAMPLE BOTTLE NUMBERS					
SEQ. DESIRED		ROSETTE POSITION	SALT	NUTRIENTS	CHL. Bot. no.	CHL. Bot. no. Phyto.Species ALK (MC)		DIC (MC)			COMMENTS
-	lat 275,2		13	72			3				
~				73			36				
3	150 151, 1			h £							
4 12	125 126.2			26			37				
5 16	160 101.2			36							
6	75 75.2			44			3 8				
7 (60.5			84							
œ	40,7			ما م			39				
9	30 29.9			80							
10	26 19.6			81			0)1				
11	9,9			82							27.
12	0 3,5			23			11				
bucket									3.		

bucket	12	=	10	ဖ	ω .	7	6	S	4	ω	2	_	SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	ю В		CONSC	VESSEL R/V The
a	0)	82	30	ph de	8	75	-150	125	150	260	250	bot	DESIRED	FIRED DEPTH	ND SN	NS CP.	MP SN	AP SN	SS		6591	DEG	# 66 -	VESSEL R/V Thomas G. Thompson
3.3	9.8	24.1	30,2	39.8	60.5	1.54	100.7	1256	151.2	201.8	252,5	320,9	ROSETTE POSITION								8. 71 N	X Z	30000 (4.8)	pson
													OSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	177	DEG	ē t	CRUISE ID
													SALT]	.	l	or Or	40.43	Z Z	46.42	
ىن	12 4	= ·	すべ	3 £	€	4	6	У	1	lъ	42	_	NUTRIENTS							JO/TIME	٤	DAY	DATE JD=	_ _
													CHL. Bot. no.	SAMPLE E	FLUOR S/N							Mo TR	Ñ	PROJECT & LEG
				,									CHL. Bot. no. Phyto.Species ALK (MC)	SAMPLE BOTTLE NUMBERS			98 4 S.h	cusar	PAR on Bridge		-	HZ MIN	TIME (GMT)	
													ALK (MC)	×		,	٠,	and the	PAR on Bridge ("Einsteins m-2s-i			(°C)	DRY BULB	11T06
												6	DIC (MC)				牙	hugher + hu	Ξ			(°C)	WET BULB) i.b.
				-					-								١.	thoresonce (0	*	PRESSURE SEA STATE VISIBILITY	
													COMMENTS			MAX. DEPTH =		at week	(39 %	REMARKS	9	(kts) + + +	SPO. WIND CLOUD (amt) TYPE WEATHER	STATION DESIGNATION
																e 81			(39 \$860), dat		E3H2		BOTTOM STA. NAME/ID	ON .

VESSEL R/V Thomas G. Thompson	mpson	CRUISE ID TN193		· PR	ICE06		1TT 06	Ċ.		- VI	STATION DESIGNATION
	14:33		74,42			6561			TATE		HER
CAST #	LATITUDE	LONG	LONGITUDE	DATE JO-	100 P. S.	TIME (GMT)	DRY BULB	WET BULB	PRES: SEA S VISIB	WIND WIND SPD.	
DEG	<u>M</u>	DEG	<u>K</u>	DAY	MO YR	HR MIN	(°C)	(°C)	*		* *
08759	16.27 N	7 7	8 4	₹ 8 4 W	9 0 8	90 h 1	13	•	4 21	27	
SBE 9+ (TIMES	/dr	JD/TIME	١			40 0			REMARKS
PRESS SN		DATA ON				PAR on Bridge (µ£insteins m-2s-	(μEinsteins m-	2s-1) =			
PRI TEMP SN		START DOWN									
SEC TEMP SN		AT DEPTH									
PRI COND SN	,	AT SURFACE					88888		400 800 800		MAX. DEPTH =
SEC COND SN		PAR S/N			FLUOR S/N	4					
FIRED DEPTH					SAMPLE BO	SAMPLE BOTTLE NUMBERS	S				
SEQ. DESIRED	ROSETTE POSITION	OSITION	SALT	NUTRIENTS	CHL. Bot. no.	CHL. Bot. no. Phyto.Species ALK (MC)		DIC (MC)	51, 6.3	Ω Ω	COMMENTS
- 64	7.941			٦							
2 125	1242			15			48		14.000.00		
3 60	8,40)			160			F.7				
4 7 7 7	₹5,3			らた			46				
5 60	8,03			180		-	45				
6 4G	40,5	Section 20		19 5		,					
7 30	3¢.6			20 £			44				
8 25	25.4			21 (A.		6		
9 10	4,9			222							
10	2,5			3 EC			43				
=				,					200		
12					,						
•											000000

12	11	10	9	σ	7	5	S	4	ω	2	1	SEQ. DESIRED ROSETTE POSITION	FIRED DEPTH	SEC COND SN PAR S/N		PRI TEMP SN START DOWN	PRESS SN DATA ON	SBE 9+ TIMES	7113.97 N 1177 1	DEG	TUBE	R/V Thomas G. Thompson TN193	
_												SALT NUTRIENTS						JD/TIME	3 4 w		LONGITUDE DATE		
									,				SAMPLE BO	FLUOR S/N					X	/ MO YR	DATE JD-	ICE06	200 500
	 											CHL. Bot. no. Phyto.Species ALK (MC)	SAMPLE BOTTLE NUMBERS				PAR on Bridge ("Einsteins m-2s-		1688-	HR MIN	TIME (GMT)		
												Dic				MAY 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	insteins m-2s-1		100	(°C)	DRY BULB W	1TT06	25
											1	(MC)) = 116			(°C) (mb)	PRESSURE		
					7	0 151	1	100	,		L		A Second						3 35	*	SEA STATE VISIBILITY DIRNING		
					(CTDS		Samples	The second secon		7 d - 3 e e e e e e e e e e e e e e e e e e	COMMENTS			=	Up Sanda	158 2 Production	REMARKS	1	* *	SPD. CLOUD (amt) TYPE WEATHER DEPTH STA. NAME/ID	SIA ION OCSIGNATION	STATION DESIGNATION

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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+	08		CONSC CAST #	VESSEL R/V Tho
	3.	9.9	20,3	25.4	29.8	40.2	50.7	1.03	76.0	101.2	126.4	155.6	DESIRED	FIRED DEPTH	NS O	D SN	IP SN	P SN	z 			DEG 1	***	VESSEL R/V Thomas G. Thompson
													ROSETTE POSITION			8					3.92 N	MIN	ATITUDE	Òn
	Q												оѕпіом		PAR S/N_	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES		DEG	F07	CRUISE ID
	(6				151								SALT							JD/	50	MIN	LONGITUDE	
	35	34 4	3,52	25 	31 €	<i>₹</i>	200)& (46	26) 5	24 	NUTRIENTS			.5.				JD/TIME	1-7	DAY	DATE JD-	PROJE
	<	<u> </u>		<	<u></u>	<	<						CHL. Bot. no. Phyto.Species ALK (MC)	SAMPLE BO	FLUOR S/N				-			MO YR	D3-MAY-JOCK	PROJECT & LEG
													hyto.Species A	SAMPLE BOTTLE NUMBERS					PAR on Bridge (μ£insteins m-2s-1	1	7	HR MIN	TIME (GMT)	
	49	70		51			52		53		754								μ£insteins m-2	,	13.1)	(°C)	DRY BULB	DSD8 I.D. 17706
								79					DIC (MC)						s-1) = 165	:			WET BULB	
		Dw. luch			Dissolve			:											5		(3)	*	PRESSURE SEA STATE VISIBILITY	
		(m) (530			1 cm 1								C		2			5				\blacksquare	WIND WIND SPD.	STAI
		prof			130 PER								COMMENTS	F.		MAX. DEPTH =	•	(ambustion)	24 87 6	REMARKS		*	CLOUD (amt) TYPE WEATHER	STATION DESIGNATION
		929			R5											m	-	8	2010'8		58 83		BOTTOM STA. NAME/ID	E3#4
																	_	Tra			5 114		AME/ID	F.H.

VESSEL R/V Thor CONSC CAST #	as G. Thorr	agur (\$£,0	CRUISE ID TN193 3:	33,82 NGTUDE		PROJECT & LEG ICEO6	4538	DSDB I.D. 1TT06 DRY BULB	D. WET BULB	PRESSURE	SEA STATE VISIBILITY	VISIBILITY DIR.	VISIBILITY DIR.	VISIBILITY STATIC DIRN. SPD.
#	DEG LA	MIN	DEG LONGITUDE	MIN	DATE JD=	MO YR	HR MIN	DRY BULB		WET BULB	PR	(mb) * SE DIRN.	(mb) * (deg) (kts) *	(mb) * * (deg) (kts) * * *
090	592	3 · 8 2 ×	17733.		9 0 w 0 4 mg	*\ 0 6	£ 4 9	(N	VV		•	. 46 030	. 46 030	. 46 03016 2
SBE 9+			TIMES	JD/TIME	M								REMA	REMARKS
PRESS SN	ž 		DATA ON				PAR on Bridge (μEinsteins m-2s-1	(µEinstei	ns m	•		•	•	•
PR! TEMP SN	P SN		START DOWN			l 								
SEC TEMP SN	AP SN		AT DEPTH	÷.										
PRI COND SN	D SN		AT SURFACE]					-		MAX.	MAX. DEPTH =
SEC COND SN	ND SN		PAR S/N			FLUOR S/N								
FIRED	FIRED DEPTH					SAMPLE BO	SAMPLE BOTTLE NUMBERS							
SEQ.	DESIRED	ROSETTE POSITION)SITION	SALT	NUTRIENTS	CHL. Bot. no.	CHL. Bot. no. Phyto.Species ALK (MC)	ALK (M		C) DIC (MC)	DIC	DIC	DIC (MC)	DIC
-	pot	218,2			36			5						
2	150	151.3			37			60				The state of the s		4.74
ω	100) dp.9			33			60 59			فد			
4	75	75,9			ખ			5458	Q,	08	8	68	6	6
5	Ca	60,6			7 Oh			* \$						
6	50	50,5			7 1/2			57857	4	4	7	4	4	7
7	46	h 6 H			42 €			- · 1	<u> </u>					
œ	25	25.3			754			5756	0-	0-	lisa	دنا	1:30 Shi &	lise Stile #5
g	23	243			イド	·		C						
10	ь	<u>و</u> 4			35h									
=	0	2,7	3		19K			25						
12									2					
bucket														

VESSEL R/V Th	VESSEL R/V Thomas G. Thompson		CRUISE ID		PROJE	PROJECT & LEG		DSD8 I.D.	D.		<u>s</u>	STATION DESIGNATION	
	7	\$		9754			0816			TATE		HER 0455	EHH2
CAST #		LATITUDE	LON	LONGITUDE	DATE JD*		TIME (GMT)	DRY BULB	WET BULB	PRESS SEA S VISIBI	WIND W	WIND OF THE AT BOTTOM	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO YR	HR MIN	(°C)	(2°)	*		* *	
9	1592	24. 42N	17745	. 7 (w 4 4 2	4 X 0 6	4826	-6.1	•	- 01	P2214	H H	E 4 4 2
SBE 9+			TIMES	ρ	JD/TIME		2 60 00 20 0					REMARKS	
PRESS SN	ž		DATA ON	1			PAR on Bridge (μEinsteins m-2s-1	(μEinsteins m-	2s-1) =				
PRI TEMP SN	P SN		START DOWN				Lisais	s ACS	mot b	o (white was	647		
SEC TEMP SN	NS di		AT DEPTH	1		<u> </u>	المعاصم	3		0			
PRI COND SN	D SN		AT SURFACE					۵				MAX. DEPTH =	3
SEC COND SN	NS ON		PAR S/N _			FLUOR S/N	FLUOR S/N						
FIRED	FIRED DEPTH					SAMPLE BO	OTTLE NUMBER	s					
SEQ.	DESIRED	ROSETTE POSITION	DSITION	SALT	NUTRIENTS	CHL. Bot. no.	CHL. Bot. no. Phyto.Species ALK (MC)		DIC (MC)			COMMENTS	
-	~300	300		17	44								
2	250	2525			48								
ω	260	200			Ya		:						
4	150	951			50								
5	125	125			51								
6	8	100			52								
7	75	カル			53 (
œ	So	56.3			54 F								
9	46	40.6			55 4							2	
6	30	34,3			56 4								
=	26	20.1			57 4					2.00			
12	16	16,1	:		58 f				,				
bucket	ø	2.6			タタ								

3

bucket	12	=	ō	9	œ	7	6	v	4	ω	2	1	SEQ. I	FIRED		PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	092		CONSC CAST #		R/V Thor	VESSEL
0	01	20	36	40	50	75	[00]	125	(50	260	250	4366	DESIRED	DEPTH	NS O	NS	Š 	SN	_	I	592	DEG			R/V Thomas G. Thompson	
ښ	Ιφ.	20.H	36,0	44.8	51.6	76.0	100	F2 5	150	200	250	906	ROSETTE POSITION								1 2 N	<u> </u>	21,14		SON	
	!												POSITION		PAR S/N _	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	V 1775	DEG	- G		TN193	CRUISE ID
				,								(8	SALT				, 		1	JD/	3.38		53,31			
> 20th	₹ (£	70 €	£ 69	68 €	4 29	66 f	65	64	63	62	61	60	NUTRIENTS						4-	JD/TIME	W D H M		DATE JD-		ICE06	PRO
													CHL. Bot. no.	SAMPLE BO	FLUOR S/N						<u>A</u> ¥ 0 6	Mo TR			06	PROJECT & LEG
					,						,		CHL Bot. no. Phyto.Species ALK (MC)	SAMPLE BOTTLE NUMBERS	1				PAR on Bridge (µEinsteins m-2s-1)		1042	HR MIN	TIME (GMT)))		
									ŭ				ALK (MC)	S					(μEinsteins m-		~ 6.5	(°C)	DRY BULB	٠	11106	DSD8 1.D.
													DIC (MC)						2s-1) =		•		WET BULB			Þ
																						(mb) * *	PRESSUI SEA STA VISIBILIT	ATE		
																					OW	(deg) (kts)	WIND WIND DIRN. SPD.			ST/
													COMMENTS			MAX. DEPTH =				REMARKS		*	CLOUD TYPE WEATHI			STATION DESIGNATION
																3		·			E 4 H 3			EHH3	-	

R/V Thomas G. Thompson		CRUISE ID TN193		PROJECT & LEG	, ω	DSDB I.D. 1TT06	۶	-	STATION DESIGNATION
					17111			ATE	(amt) R 544 E4H4
CONSC	16,91	17.10	7.		1.1.1			ST/	UD E ATH
CAST #	LATITUDE	LONGITUDE	,	DATE JD=	TIME (GMT)	DRY BULB	WET BULB	SEA VISII DIRN.	SPD. C Y W DEPTH STA. NAME/ID
DEG	MIN	DEG M		4Υ MO YR		(0°)		*	* *
ф 9359	-	00	× 7	H MAX O	6 1 2 5 3	1		- -	5
SBE 9+		TIMES	JD/TIME		3	20 00 00 00 00 00	200 St. 100 St.		REMARKS
PRESS SN		DATA ON	Ì		PAR on Bridge	PAR on Bridge (μEinsteins m-2s-1	s-1) =		
PRI TEMP SN		START DOWN				58			
SEC TEMP SN		AT DEPTH							
PRI COND SN		AT SURFACE						200000000000000000000000000000000000000	MAX. DEPTH = m
SEC COND SN		PAR S/N		FLUOR S/N	S/N				
FIRED DEPTH			P	SAMPLI	SAMPLE BOTTLE NUMBERS	Š	la E		
SEQ. DESIRED	ROSETTE POSITION		SALT NUTRIENTS		CHL. Bot. no. Phyto. Species ALK (MC)		DIC (MC)		COMMENTS
1 ~300	6 300		/						
2 250			2						
3 200	2020		دی						
4 150	0 151.6		J.						
5 /00	0 100,7		<u>~</u>	4				200	
6	75 76.0		6	<u> </u>					
7 5	50 54.2		4	Ŧ					
8 4	46 49.6		8	+					
9	30 34.2		9	*					
10	20.2		બ	7	25		33		
11	10 9,8		11	★					- 153 CM
12	0 2.7		12	4					
bucket			· ·	*					53.6

VESSEL R/V Thomas G. Thompson	CRUISE ID		PROJECT & LEG	LEG	DSDB I.D. 17706).		STATION DESIGNATION	
1				1112/			TE	b71	
19,41		\$6		- - - - -			STA BILIT	UD (となり
CAST # LATITUDE	 		DATE JD=	TIME (GMT)	DRY BULB	WET BULB	SEA VISIE	SPD. CLOC	STA. NAME/ID
DEG	DEG	,	DAY MO	YR HR MIN	(°C)	(°C)	*	(kts) * * *	
5165h6b	0 2 × 1 7 8 0 9	-U	S W D H B A	061441	16.4		0	9	豆445
SBE 9+	TIMES	JD/TIME	E				THE RESIDENCE OF THE	REMARKS	
PRESS SN	DATA ON			PAR on Bridg	PAR on Bridge (μEinsteins m-2s-1	s-1) =			
PRI TEMP SN	START DOWN							- X - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
SEC TEMP SN	AT DEPTH								
PRI COND SN	AT SURFACE			8				MAX. DEPTH =	3
SEC COND SN	PAR S/N			FLUOR S/N	ì				
FIRED DEPTH			SAI	SAMPLE BOTTLE NUMBERS	. 8				
SEQ. DESIRED	ROSETTE POSITION	SALT NUT	NUTRIENTS CHL. B	CHL. Bot. no. Phyto.Species ALK (MC)		DIC (MC)		COMMENTS	
1 bot	159.9	19 13	3		٠				
2 125	126.6	n	14						
3	100.9	. 15	ر الم. ح			D	2.		
4 75	75.9	16	6						
5 (LG	60,9	다	7 · £	-					
	40.0	اها						10.000	
7 ~吗0 3	38,2	1	19.61						
	30,5	2	20.1			0	2000		
9 20 2	20.3	2	21.12			4 1			
10 10	16.3	7	22 \$						
	2,00		23 €				*		
12									
bucket									

VESSEL			CRUISE ID		- PRC	PROJECT & LEG		DSDB I.D.	Đ.		S	STATION DESIGNATION	TION	
R/V Tho	R/V Thomas G. Thompson		TN193		ICE06	8		11106				 		
		20 20 20		23.42		29	केराइ			SURE STATE		D (amt)	421	0318
CAST #		LATITUDE	LON	LONGITUDE	DATE JD=		TIME (GMT)	DRY BULB	WET BULB	SEA	DIRN.	TYPE	DEPTH	STA. NAME/ID
	DEG	MIN	DEG	XIV	DAY	₹ 7	HR MIN	(°C)		*		*	(m)	
9	23	N 2H 3	00	#	2 3	0 6	62C P	- 5 €			12	4	3	S 8 1 8
SBE 9+			TIMES	/ar	JD/TIME			The second		4 10 Mile 51 1		REMARKS	most san	Same line
PRESS SN	z		DATA ON				PAR on Bridge (µEinsteins m-2s-	μEinsteins m-	2s-1) = <u> </u>			es et	others on	S CH
PRI TEMP SN	NS		START DOWN				intanline	lime with	the west	しまど	5'5	<u></u>		
SEC TEMP SN	₱ SN		AT DEPTH	l		l 	bird 5					L		
PRI COND SN	D SN		AT SURFACE				steps	IL O et	8 + 18m			MAX. DEPTH =	Ĭ ₩	3
SEC COND SN	NS CI		PAR S/N _			FLUOR S/N		/						
FIRED	FIRED DEPTH					SAMPLE BO	SAMPLE BOTTLE NUMBERS] <i>"</i>						
SEQ.	DESIRED	ROSETTE POSITION	SITION	SALT	NUTRIENTS	CHL. Bot. no.	CHL. Bot. no. Phyto.Species ALK (MC)		DIC (MC)			COMMENTS		
-	bot 1	160		195	24					obs	observed sul	ell satchura	uva fish	
2	125	125			25					pe-		P	9	
ω	160	160			26						ď			
4	3 5	75.5			27 4									
5	60	6,6			28 c									
6	长	494			29 4									
7	30	303			30 €									
8	20	20.1			7 15									
9	10	14.4			324									
10	0	2.8			33 p							6		
=														R
12														
bucket			1											

VESSEL R/V Th	R/V Thomas G. Thompson		TN193	_	PROJECT & LEG ICEO6		11106	84(72)	TE	
CONSC		33,99	50,09			4923				ESSURE A STATE SIBILITY
CAST		LATITUDE	LONGITUDE	DATE JD=	P	TIME (GMT)	DRY BULB	¥.	WET BULB	PRI SE
→	2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	9	9544	9 5 5 7 8		0 P MM	1 7 2	\dashv		96
SBE 9+				JD/TIME						
PRESS SN	ž		DATA ON	,		PAR on Bridge	PAR on Bridge (μEinsteins m-2s-1	S	-1) =	~
PRI TEMP SN	P SN	6	START DOWN			Cawer	On low	I/1	7 230	1 23020
SEC TEMP SN	MP SN	<u> </u>	AT DEPTH				٠ (
PRI COND SN	ID SN	Þ	AT SURFACE]				53	
SEC COND SN	ND SN		PAR S/N		FLUOR S/N	Z	•			
FIRED	DEPTH			-	SAMPLE E	SAMPLE BOTTLE NUMBERS	S			
SEQ.	DESIRED	ROSETTE POSITION	TION SALT	NUTRIENTS	CHL. Bot. no.	CHL. Bot. no. Phyto.Species ALK (MC)			DIC (MC)	SIC (MC)
	bat	290		34				i l	,	
2	225	225		35						
ω	200	200		36						
4	150	S.		37						
cs	100	100		38						
o o	भू जा	% 0		39 8		-				o Eller Automoti
7	Ē	60,5		3 Oh						
ω	#o	40.4		41 5						
9	30	30.1		42 (^					
10	20	20.3		43 &						
=	0	10.1		3 用						
12	0	26								
bucket	ō			エノ と						

TN193	ICEC	סברו מינבט 16		1TT06			01212		CRAB2
						SEA STATE VISIBILITY	Av. WIND SPD.	TYPE WEATHER	STA. NAME/ID
		¥	\dashv	-		*	(kts)	+	
N 17250.	13	0 6	N	5.0		LL2	_	0	CRAB2
TIMES	JO/TIME						R	EMARKS	
DATA ON		PA	ιR on Bridge (μΕ	insteins m-2s-	u U				
START DOWN	:					W			
AT DEPTH		Г Г							
AT SURFACE	0						x	(AX. DEPTH =	3
PAR S/N		FLUOR S/N_							
		SAMPLE BOTT	TLE NUMBERS						
ROSETTE POSITION SALT	NUTRIENTS	CHL. Bot. no. Ph	yto.Species AL	25/4	C (MC)	L:36 035		MENTS	
19	8 1								
	2:								
	3								
	স					-	62		
	6			:					
	7								
	03								
	9				1	W	PC 7		
acau Samply	ō					,			
								:	
					-				
	LONGITUDE MIN MIN SALT	SALT NUTRIENTS SALT NUTRIENTS	PROJECT & LEG ICEO6 ATE JD= MO YR MO Y	PROJECT & LEG ICEO6 ATE JD= MO YR MO Y	PROJECT & LEG	PROJECT & LEG DSD8 I.D. ICEO6	PROJECT & LEG DSD8 I.D.	PROJECT & LES DSD8 LD.	PROJECT & LEG DSCB ID. STATION DESIGNATION

Add 25m

12	11	10	9	8	7	6	5	4	ω	2	- -	SEQ. DE	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	9 9 8	CONSC CAST #	VESSEL R/V Thoma
											173	DESIRED	EPTH	SN	ž	¥ 	z			57 49	┦_	VESSEL R/V Thomas G. Thompson
	ia I											ROSETTE POSITION			i	-			-	9 . 0 -	ATMUDE	מו
												POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	0EG		CRUISE ID
												SALT				ı	-		o,	9. 44	LONGITUDE	
												NUTRIENTS							JD/TIME	W O DAY	DATE JO=	ICE
					,							CHL. Bot. no.	SAMPLE BO	FLUOR S/N						0 6	-	PROJECT & LEG
						,						CHL. Bot. no. Phyto.Species ALK (MC)	SAMPLE BOTTLE NUMBERS					PAR on Bridge		17 49	⊣ ≅	,
					:								S	4				PAR on Bridge (µEinsteins m-2s-		-4.9	DRY BULB	DSDB I.D. 17706
											٠	DIC (MC)						2s-1) = J		. (°C)	<u> </u>	Ď.
)				_					/								-		(mb) : :	SEA STATE	
						2	<i>y</i>	7										:		(deg) (k	Awa WIND DIRN.	S
					CW.							COMMENTS	#		MAX. DEPTH =	ل_ ا		Cas	REMARKS	(kts) * * * *	CLOUD (amt)	STATION DESIGNATION
						20									PTH =		- SS	2000	S	(m)	D B	NATION
															з		À	- Production	,	B41	84#1	m4

	12	1	10	9	8	7 33,22	6 10.3	5 20,3	4 30.2	3 40.1	2 50.2	1 67.8	SEQ. DESIRED ROSET	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	0995749.00	DEG MIN	CONSC LATITUDE	VESSEL R/V Thomas G. Thompson	
ď.					2								ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	128	DEG	LON	CRUISE ID	
												_a _a	SALT						1	JD/TIME	9.44	MIN	LONGITUDE		
_						Ø	17	16	7	14	W	2	NUTRIENTS			1				IME.	w 07/2/		DATE JD=	PROJE ICE06	-
							7	1	7		(CHL. Bot. no. Phyto.Species ALK (MC)	SAMPLE BO	FLUOR S/N			5	T-50		0 6	MO YR		PROJECT & LEG	
						<		7		7			hyto.Species /	ITLE NUMBERS	FLUOR S/N				PAR on Bridge (µEinsteins m-2s-		1803	HR MIN	TIME (GMT)		
									,	7									μEinsteins m-2		-4.8	(°C)	DRY BULB	DSDB I.D. 17706	-
	١												DIC (MC)						1) = /			(°C)	WET BULB	,	
						-	PC9, D40			8C10 DH								3	59		Su.	(mb) * * (deg)	PRESSURE SEA STATE VISIBILITY DIR N. O.		
		9 9 9 9	- 1774 S.				O						COMMENTS			MAX. DEPTH = m		Ture	(ast 2 at 2	REMARKS	- W	(kts) * * * (m)	SPD. CLOUD (amt) TYPE WEATHER DEPTH STA. NAME/ID	STATION DESIGNATION A MY	

VESSEL R/V Thomas G. Thompson	CRUISE ID		PROJE	PROJECT & LEG		DSDB I.D.	D.		S	STATION DESIGNATION 84H2	HZ
CONSC		ONGITION OF	DATE ID-		TIME (GMT)	DRY BULB	WET BULB	PRESSURE SEA STATE VISIBILITY	WIND	WIND (amt) TYPE WEATHER DEFTH	STA NAME/ID
DEG	DEG	<u>S</u>	DAY MO	S ¥₹	表 MN	ි	ලි	*	(deg)	* * * (m)	
0	z 	2.125w		0 6	\rightarrow	19.3		86	9	0	라 소 *=
SBE 9+	TIMES	JD/TIME	m			3	5	5	4	REMARKS	
PRESS SN	DATA ON			_	PAR on Bridge (µEinsteins m-2s-	(μEinsteins m-:	2s-1) = 85	56		15 + 2 ct	
PRI TEMP SN	START DOWN						,			Priduction C	asts
SEC TEMP SN	AT DEPTH									No Samples	-iosh,
PRI COND SN	AT SURFACE									MAX. DEPTH =	m a
SEC COND SN	PAR S/N			FLUOR S/N							
FIRED DEPTH				SAMPLE BO	SAMPLE BOTTLE NUMBERS						
SEQ. DESIRED ROSETT	ROSETTE POSITION	SALT	NUTRIENTS C	HL. Bot. no.	CHL. Bot. no. Phyto.Species ALK (MC)		DIC (MC)			COMMENTS	
1					-			/			
2)			0.00
ω .)	,		
4											
5									7/	Commo es	
6										Ja.	
7											
ω											
9											
10								/			
						•					
12											
bucket											

VESSEL R/V Thomas G Thompson	CRUISE ID		PROJE	PROJECT & LEG		DSDB I.D.	Ď.		ST	STATION DESIGNATION 8412
								ATE	_	(amt) ER
CONSC CAST # LAT	LATITUDE LO	LONGITUDE	DATE JD=		TIME (GMT)	DRY BULB	WET BULB	PRESSURE SEA STATI VISIBILITY	WIND WA	WIND OUD (ar TYPE WEATHER WEATHER BOTTOM STA. NAME/ID
DEG	DEG	X.	\neg	™	茅	(°C)	(°C)	•		* * * (m)
10115804.	8 8 N	12.26w	w 07 MA	0 6	2156	-4.2			41	0
SBE 9+	TIMES	/ar	JD/TIME		Control of the Contro	The second second second		10 No. 10 No. 10 No. 10	2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	REMARKS
PRESS SN	DATA ON	1			PAR on Bridge (µEinsteins m-2s-	(μEinsteins m-	1)	923		2 d of 2 CTD
PRI TEMP SN	START DOWN	_	:							Production Casto
SEC TEMP SN	AT DEPTH						100			- ia du chuha
PRI COND SN	AT SURFACE									MAX. DEPTH = m
SEC COND SN	PAR S/N			FLUOR S/N	FLUOR S/N					
FIRED DEPTH				SAMPLE BO	OTTLE NUMBER:	S				
SEQ. DESIRED	ROSETTE POSITION	SALT	NUTRIENTS	CHL. Bat. no.	CHL. Bot. no. Phyto.Species ALK (MC)		DIC (MC)			COMMENTS
1 65.4		200	19							
2 60.7	33 2		21							.000
3 50.5			21	1		Ī				
4 40.7		•	22	(
s 30.2			23	(PC12	, 1943	
6 20.3			24	(٠			
7 10.3			25	1				1179	BHZ	2
8 2.8			20	(
9			, ,			,				
10										
1										
12										
bucket										

VESSEL R/V Thomas G. Thompson	CRUISE ID		PROJE	PROJECT & LEG		DSDB I.D. 1TT06	, p		10	STATION DESIGNATION 84 H3
CONSC LATITUDE		LONGITUDE	DATE JD-		TIME (GMT)	DRY BULB	WET BULB	PRESSURE SEA STATE VISIBILITY	WIND DIRN.	SPD. CLOUD (amt) TYPE WEATHER DEPTH STA. NAME/ID
DEG	DEG	<u>M</u>		MO YR	HR MIN	(°C)	(°C)	*	(deg)	* * * (m)
1025754.	66N1685	3 12	w 08 /2	MAY 0 6	8500	-3.5	•	98	بدر	0
SBE 9+	TIMES	JD/T ME	- IME							REMARKS
PRESS SN	DATA ON	1			PAR on Bridge	PAR on Bridge (µEinsteins m-2s-1		862		radio alvan francisco
PRI TEMP SN	START DOWN									
SEC TEMP SN	AT DEPTH	1								
PRI COND SN	AT SURFACE									MAX. DEPTH = m
SEC COND SN	PAR S/N			FLUOR S/N						
FIRED DEPTH				SAMPLE BO	SAMPLE BOTTLE NUMBERS	S		20000		
SEQ. DESIRED	ROSETTE POSITION	SALT	NUTRIENTS	CHL. Bot. no.	CHL Bot. no. Phyto.Species ALK (MC)		DIC (MC)	Lugols		COMMENTS
1 65.9			27							
2 60.5			ر 8د							
3 50.6			29	,						
4 40.0			30	ς						
\$ 30.3			W	7) મ	S. PCIH
6 20.0			32	1					DHY	(PCB
7 9,9			33)	
8 3,0		201	34			٨				
ω										
10										
11										
12										
bucket										

R/V Thomas G. Thompson	TN193	ICE06	ICE06		11106			V.	STATION DESIGNATION	
				200			TE		amt)	
CONSC 2001	Ø2.42	7		0100			STA		UD (
CAST # LATITUDE	LONGITUDE	DATE JO=	-	TIME (GMT)	DRY BULB	WET BULB	PRES SEA VISIE	DIRN. SPD.		STA. NAME/ID
DEG MIN	DEG MIN	DAY MO	¥	HR MIN	(°C)		*		* *	
ት ተ	N 16982.	13	0	V-	755		36	71		H H B
SBE 9+	TIMES	JD/TIME					27 cg 20 state		REMARKS	A STATE OF THE STA
PRESS SN	DATA ON		PA	PAR on Bridge (µEinsteins m-2s-1	Einsteins m-2) = 2	78			
PRI TEMP SN	START DOWN	:		25.50			200			
SEC TEMP SN	AT DEPTH									
PRI COND SN	AT SURFACE								MAX. DEPTH =	3
SEC COND SN	PAR S/N		FLUOR S/N_							
FIRED DEPTH			SAMPLE BOTTLE NUMBERS	TLE NUMBERS						
SEQ. DESIRED ROSETT	ROSETTE POSITION SALT	NTS	CHL Bot. no. Phyto.Species ALK (MC)	yto.Species A		DIC (MC)	51.00		COMMENTS	
1 bot 58.6		35			`					
		36			70					
3 45 40,3		37	\		71				A) A Car	
4 30 30.3		38			72					
5 20 20,3		30	7		SE		\			
6 10 10,7	•	40	\ \		h E				,	
7 0 3,3		11/1			56		1			
œ										- 33
9										
10										
==										
12				:						
bucket								ļ		

12	 =	10	9	œ	7	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+	5401	D	CAST #		VESSEL R/V Thomas G. Thompson	
-				0	10	20	30	40	50	60	57	RED	H	_						3	DEG N	ا کن کا	ري	G. Thomps	
				.s. w	100	26.	30,5	七.0升	50.8	66.8	8,23	ROSETTE POSITION								. 9 3 N	MIN	34 55,74'	34' 55,21'	on	
100000												ОЅГТІОН		PAR S/N _	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES		DEG	LON C	يس	CRUISE ID TN193	
											242	SALT							/ar	. 38	MIN	(3' 22.62"	24.05"		
				ac	لب	5	Ŋ	4	هن	بر	_	NUTRIENTS					!		JD/TIME	13	DAY	DATE JD=		ICE06	
				7	1	7	/	7	/			CHL. Bot. no.	SAMPLE BO	FLUOR S/N						4 3 0 6	MO YR			PROJECT & LEG	
												CHL Bot. no. Phyto.Species ALK (MC)	SAMPLE BOTTLE NUMBERS					PAR on Bridge (μEinsteins m-2s-1		660	HR MIN	4555 TIME (GMT)	i •		
				81	80	79	78	46	4	76		ALK (MC)	S					(μEinsteins m-	10 EX 22 AN 10	一31. 4	(°C)	DRY BULB		0SD8 I.D. 1TT06	
												DIC (MC)				ä		=	0 20 00 00		(°C)	WET BULB	200	Þ	'
					1	Brown .	6					L15a_						دن	20 00 00 00	5 22	*	PRESSUR SEA STA VISIBILIT ORN.	\TE		
												COMMENTS			MAX. DEPTH = m				REMARKS	466	g) (kts) * * * (m)	ID WIND OUT THE BOTTOM STA. NAME/ID	R 41 12	STATION DESIGNATION	

DSDB I.D. TIME (GMT) DRY BULB WET BULB PRE STATION DESIGNA TIME (GMT) DRY BULB WET BULB PRE STATION DESIGNA STATION DESIGNA TIME (GMT) DRY BULB PRE STATION DESIGNA STATION DESIGNA TIME (GMT) WIND WIND DD	DSDB I.D. DSDB I.D. STATION DESIGNATION
PROJECT & LEG DSDB I.D. STATION DESIGNA ITTO6 ITTO6 IT	D
PROJECT & LEG PROJECT & LEG DSDB I.D. STATION DESIGNA ITTO6	DSDB I.D. STATION DESIGNATION ICEOG ITHE (GMT) DAY MO VR HR MIN (°C) (°C) (mb) ** (deg) CHSS TEMARKS FLUOR S/N SAMPLE BOTTLE NUMBERS DSDB I.D. STATION DESIGNATION STATION DESIGNAT
PROJECT & LEG	DSDB I.D. STATION DESIGNATION STATION DESIGNATION
DSDB I.D. DSDB I.D. STATION DESIGNA TIME (GMT) DRY BULB WET BULB WET BULB SS STATTY WIND WIND DIRN. SPD. CI TY WIND DRY MIND DRY BULB WET BULB SS STATTY WIND DIRN. SPD. CI TY WIND DIRN. SPD. CI TY WAX. DEPTI FLUOR S/N CHL. Bot. no. Phyto.Species Phyto.Sides ALK (MC) DIC (MC) DIC (MC) STATION DESIGNA STATION DESIGNA A Y 0 6 4 7 2 7 3 . 7	DSDB I.D. STATION DESIGNATION STATION D
WET BULB PRESSURE (°C) (mb) * SEA STATE (deg) (kts) * TYPE REMARKS ALK (MC) DIC (MC) ALK (MC) DIC (MC) STATION DESIGNA WIND WIND WIND DD REMARKS REMARKS REMARKS	WET BULLB PRESSURE (°C) (mb) * SEA ATE VISIBILITY DIRN. SPD. CLIPPE THER * (deg) (kts) * * * (m) PREMARKS * PREMARKS * MAX. DEPTH =
WET BULB PRESSURE (°C) (mb) * SEA STATE (deg) (kts) * CLOUD amt) (htts) * Type REMARKS REMARKS ALK (MC) DIC (MC) ALK (MC	WET BULB WET BULB PRESSURE STATE VISIBILITY DIRN. SPO. CLIPPE WEARKS WIND W
(MC) DIC (MC) TET BULB PRESSURE SEA STATE VISIBILITY (deg) (kts) COMMENTS TYPE WEATHER COMMENTS	T BULB PRESSURE T BULB PRESSURE SEA STATE VISIBILITY AND PREMARKS TYPE REMARKS REMARKS WAX. DEPTH =
* SEA STATE * VISIBILITY UNIND WIND WI	* SEA STATE * VISIBILITY * VISIBILITY * Odeg) * SEA STATE * VISIBILITY * Odeg) * OLOUD (amt) * TYPE * WEATHER * WEATHER * DEPTH * THE CONTROL * TYPE * WEATHER * OPENION * TYPE * WEATHER * TYPE * WEATHER * TYPE * WEATHER * TYPE * TYPE * TYPE * WEATHER * TYPE
WIND WIND WIND DESIGNA COMMENTS COMMENTS COMMENTS COMMENTS COMMENTS TYPE * CLOUD (amt) TYPE * WEATHER * WEATHER	WIND WIND WIND DESIGNATION WIND WIND DD ORDER (deg) (kts) * * WEATHER THE COMMENTS REMARKS REMARKS MAX. DEPTH =
jä G j* WEATHER Š	WEATHER WATION (m) (m) (m)
	T H MOT

12	1	10	ဖ	ω	7	ი	ر.	4	ω	2		SEQ.	FIRED	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	1 \$		CAST #	3	2	VESSEL
			20		0	10	20	30	o _t o	50	64	DESIRED	FIRED DEPTH	ID SN) SN	P SN	Š V	z		તા	DEG			N 4 Homes G. Highlipson	mas G Thomas
					2.4	10.0	(Q)	34.6	39.9	56.7	57,3	ROSETTE POSITION							_	4.29 N	MIZ	LATITUDE	14,29	Son Son	6
												POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	16934	DEG	LON		1000	CRUISE ID
											243	SALT				ì	i	I	JC	٠	MN	LONGITUDE	14.40		
					22	21	20	اھ	-60	T	16	NUTRIENTS							JD/TIME	42 w \$ 8 M	DAY	DATE JD=			PR.
												CHL. Bot. no.	SAMPLE BO	FLUOR S/N		İ				A Y 0 6	MO YR	" !			PROJECT & LEG
												CHL. Bot. no. Phyto.Species Phyto.Slides	OTTLE NUMBER	FLUOR S/N				PAR on Bridge (µEinsteins m-2s-1)		\$95B-	FR MIN	TIME (GMT)	4954		
													S					(μEinsteins m-		-12.7	(°C)	DRY BULB			DSD8 1.D.
												ALK (MC)						2s-1) #		•	(ီ)	WET BULB			Đ.
												DIC (MC)					3			99	(mb) * *	SEA	STATE BILITY		
												Liste whole	•							22346	(deg) (kts)	DIRN. SPD.			STA
												COMMENTS			MAX. DEPTH =				REMARKS	6	(m)	CLO TYP	UD (an E ATHER		STATION DESIGNATION
															3					3 3447		TH STA. NAME/ID	PHH4	ヿ	

11 10 10 11 11 11 11 11 11 11 11 11 11 1	11 10 9 8	10 9 8	φ Φ	8	7	6	5	4	ω	2		SEQ. DESIRED ROSETTE POSITION SALT NUTRIENTS CHL. Bot. no. Phyto.Species Phyto.Slides	FIRED DEPTH SAMPLE BOTTLE NUMBERS	PAR S/N		SEC TEMP SN AT DEPTH	PRI TEMP SN START DOWN	PRESS SN DATA ON PAR O	SBE 9+ TIMES JD/TIME	1075729.99 N16800.00 W 08 MAY 0616	DEG MIN	UDE LONGITUDE DATE JD=	R/V Thomas G. Thompson TN193 ICE06	VESSEL CRUISE ID PROJECT & LEG
												TTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	N - 6		[0	TN193	CRUISE ID
												SALT				-		1	JD/	0.00	MIN	AGILOS.		
																			TIME	¥ 0 80 ₹	DAY	DATE JD=	ICEC	PRO
												CHL. Bot. no.	SAMPLE BO	FLUOR S/N						γ ο			6	JECT & LEG
												hyto.Species F	TTLE NUMBERS					PAR on Bridge (µEinsteins m-2s-		1603	동	TIME (GMT)	-	i
													,					μEinsteins m-2		12.5	(°C)	DRY BULB	11706	DSDB I.D.
												ALK (MC)						?s-1) = 28		•	(°C)	WET BULB		
												DIC (MC)						90		0	(mb) * *	PRESSURE SEA STATE VISIBILITY		
				_	_		(<i>f</i>	0								75 8	(deg) (kts)	ANA ANA MIND WIND DIRN. SPD.		STAT
						_	Cardum Col					COMMENTS			MAX. DEPTH = / m	No Samoles	production	一年的2 CTDs	REMARKS	8 74 8541) * * * (m)	CLOUD (amt) TYPE WEATHER DEPTH STA. NAME/ID	25 H	STATION DESIGNATION

VESSEL Thomas G.	CRUISE ID		PROJECT & LEG	LEG	DSD8 I.D.	40		STATION DESIGNATION 35H
R/ V Inomas G. Inompson	N 93		iceoa					
ONES			53				STATE BILITY	ATHER
CAST # LATITUDE	LONGITUDE		DATE JD=	TIME (GMT)	DRY BULB	WET BULB	SEA	SS CLC TYF
DEG MIN	DEG	<u> </u>	DAY MO	YR HR MIN	(°C)	(°C)	(mb) * *	(deg) (kts) * * * (m)
1085729.99	9 1 1 6759	. 99 w 0	8 M A Y	0 6 1 6 1 4	-2.6		<u> </u>	72 8 73 8541
SBE 9+	TIMES	JD/TIME					2	
PRESS SN	DATA ON			PAR on Bridge	PAR on Bridge (μEinsteins m-2s-1	s-1) = 29	0	スなる 2 CT US
PRI TEMP SN	START DOWN							production
SEC TEMP SN	AT DEPTH							
PRI COND SN	AT SURFACE							MAX. DEPTH = m
SEC COND SN	PAR S/N		FLUC	FLUOR S/N				
FIRED DEPTH			SAM	SAMPLE BOTTLE NUMBERS	i is			
SEQ. DESIRED ROS	ROSETTE POSITION	SALT NUTI	NUTRIENTS CHL. BO	CHL. Bot. no. Phyto.Species Phyto.Slides		ALK (MC)	DIC (MC)	COMMENTS
1 67.2		23	ىر					
2 60.5		. 2	24					
3 50.7		2	25			93		
4 39.9		g)	7 96			92		
s 30.2		s.	27 /	\		9		ENG 1178
6 19.5		ູນ	25 1/			90		_
7 10.4		2)	29 /	7		89		PC13, DYG
3.5		204 2	350 V	<		88		1
9								
10					0			
11								
12								
bucket	2							

VESSEL	CRUISE ID		PROJEC	PROJECT & LEG		DSD8 i.D.	9		SI	STATION DESIGNATION
R/V Thomas G. Thompson	TN193		ICE06			11706		_		7 4 CQ
CONSC LATITUDE	LONGITUDE		DATE JD=		TIME (GMT)	DRY BULB	WET BULB	PRESSURE SEA STATE VISIBILITY	WIND W	WIND CLOUD (amt) TYPE WEATHER DEPTH STA. NAME/ID
DEG	DEG	7		¥	玉 MN	(°C)		*		* * * (m)
7 4	N 16740	. 60 w	Z	9 0 Y	1904-	72.5		02		
SBE 9+	TIMES	JD/TIN	("							REMARKS
PRESS SN	DATA ON			-	PAR on Bridge (μEinsteins m-2s-1	μEinsteins m-2) = (330		198) 2CTD man
PRI TEMP SN	START DOWN									who towards to
SEC TEMP SN	AT DEPTH									1 No Samples
PRI COND SN	AT SURFACE									MAX. DEPTH = m
SEC COND SN	PAR S/N			FLUOR S/N						
FIRED DEPTH				SAMPLE BOT	SAMPLE BOTTLE NUMBERS					
SEQ. DESIRED ROSETT	ROSETTE POSITION	SALT NUT	NUTRIENTS CH	IL. Bot. no. P	CHL. Bot. no. Phyto.Species Phyto.Slides		ALK (MC)	DIC (MC)		COMMENTS
	7								\int	
2				,						
3										ر
4								,	/	100
5				<u> </u>						> 9/ Cana >
o										Just 7
7			-							,
8									/	
9			:							
10			0.							
11										
12										
bucket										

												bucket
												12
												=
			94			<	40				2.8	- 0
	D+2, 80 7		95			\	39				10.1	9
			96			7	38				0.3	8
			47			< .	. 37				20.1	7
			98			ζ,	ည				24.9	6
							<i>S</i> 3				30.0	رم د
			99				34				MO.2	4
)49, PC/b		(DO			1	33				50.3	ω
							32				60.6	2
							31	205			65.8	-
	COMMENTS	DIC (MC)	ALK (MC)	s Phyto.Slides	CHL. Bot. no. Phyto.Species Phyto.Slides	CHL. Bot. no.	NUTRIENTS	SALT	NOITION	ROSETTE POSITION	DESIRED	SEQ.
				RS	SAMPLE BOTTLE NUMBERS	SAMPLE E					DEPTH	FIRED
				 	Z	FLUOR S/			PAR S/N		D SN	SEC COND SN
	MAX. DEPTH = m								AT SURFACE		 	PRI COND SN
	[ı	AT DEPTH		P SN	SEC TEMP SN
								ı	START DOWN		SS 	PRI TEMP SN
تخر	2rd of 2CTD - production	363	1)	PAR on Bridge (µ£insteins m-2s-	PAR on Bridge			1	DATA ON			PRESS SN
	REMARKS						JD/TIME	<u></u>	TIMES			SBE 9+
	0		. (1	-9	ΑΥC	M 00 M	0.5		3.90 N	574	110
	(ktc) * * * (m)	* ;	(*)	┪	HR MIN	W)	DAY	ME	DEG.	MIN	250	
63	WIND WIND (amt) TYPE WEATHER DEPTH STA. NAME/ID	PRESSURE SEA STATE VISIBILITY	WET BULB	DRY	TIME (GMT)	11	DATE JD=	LONGITUDE		LATITUDE		CONSC
3	STATION DESIGNATION B5#2		i.D.	1TT06		ICE06	<u>5</u>		TN193	son	VESSEL R/V Thomas G. Thompson	R/V Thon
n Ko	_					00 E01 E01	8		2 2 7 5			

	12	=	10	ဖ	00	7	თ	۷.	4	ω	2	_	SEQ. [FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	_		CONSC CAST #	VESSEL R/V Thorr
							3.7	10.1	20,2	30,3	40.4	45.6	DESIRED	DEPTH) SN	NS NS	SN	SN			582	DEG	5	VESSEL R/V Thomas G. Thompson
													ROSETTE								7.13	M N	LATITUDE	son
													ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	N 6 7	DEG	<u></u>	CRUISE ID
							206						SALT			,		z 	l	5	06.37	<u>M</u>	LONGITUDE	
							94	45	44	4	47	14	NUTRIENTS							JD/TIME	W PO W	DAY	DATE JD=	ICI PR
							_	1	<	<	<		CHL. Bot. no.	SAMPLE B	FLUOR S/I						A Y 0 6	Mo ₹		PROJECT & LEG
							<	ς,	<		<		CHL. Bot. no. Phyto.Species Phyto.Slides	OTTLE NUMBER	FLUOR S/N				PAR on Bridge		0057	HR MIN	TIME (GMT)	
														S					PAR on Bridge (μEinsteins m-2s-1	:	-11.17	(°C)	DRY BULB	DSDB I.D. 17706
									300				ALK (MC)) = 7		•	(°C)	WET BULB	Ď.
	:									:			DIC (MC)						51		04	(mb) * *	PRESSURE SEA STATE VISIBILITY	
																						(deg) (kts)	A A A DIRN. SI	ST
3					*1								COMMENTS	0		MAX. DEPTH =	1	2	Nous outel	REMARKS	04 049	*	SPD. CLOUD (amt) TYPE WEATHER DEPTH ON	STATION DESIGNATION
																3		Kmus -	1 ice . Beautiful	-	19 85 43	(m)	TOM STA. NAME/ID	B5H3

]												Ē	
VESSEL	1		CRUISE ID		PR0.	PROJECT & LEG		DSDB I.D.	D.		ST	STATION DESIGNATION	
							-	H		TE			#
		to'ot	4	2,01			1450			SSUR STA		E ATHE	Ĵ
CAST #		LATITUDE	LON	LONGITUDE	DATE JD≃		TIME (GMT)	DRY BULB	WET BULB	SEA	DIRN. SI	TYP	ME/ID
	DEG	MIN	DEG	MIN		MO YR	HR MIN	(°C)	(°C)	(mb) * *	(deg) (kts)	(S) * * * (m)	
_	0	0 0 5 z	16721	1.01 w &9	Z	Α Υ 0 6	<u> </u>	- 1 - 6	•	<i>\$</i> 5	33049	6	म भडिष
SBE 9+	1		TIMES	JD/TIME	IME							REMARKS	
PRESS SN	¥		DATA ON	1		l 	PAR on Bridge (μEinsteins m-2s-1)	(μEinsteins m-		642			
PRI TEMP SN	₱SN 		START DOWN			l 							
SEC TEMP SN	¥F SN		AT DEPTH			l 			3				
PRI COND SN	 -		AT SURFACE		i						ļ	MAX. DEPTH = m	
SEC COND SN	ND SN		PAR S/N			FLUOR S/N							
FIRED	FIRED DEPTH					SAMPLE BO	SAMPLE BOTTLE NUMBERS						
SEQ.	DESIRED	ROSETTE POSITION	DSITION	SALT * N	NUTRIENTS	CHL. Bot. no.	CHL. Bot. no. Phyto.Species Phyto.Slides		ALK (MC)	DIC (MC)		COMMENTS	
_	bot	4.40			t h			1					
2	50	5 4. 4			ት ዩ				107			535	
ω	F	10.3			५५								
4	30	30, 3			z				106				
v	25	25,2			57				05			W	;
6	20	20,1			52		**		104				
7	to	9,6			7				(O3)				
œ	0	3,2			574				60)				
9												51	
10											12		
=											= 1		
12		=									l !		
bucket													

12		=	10	9	œ	7	6	ъ	4	ω	2	1	SEQ. DESIRED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	1 1 357	0	CAST #	}	R/V Thomas G. Thompson	VESSEL
						0	0	Ŝ	20	(v)	56	64	RED	HH	_		_ 				5	DEG 1	- F	Zī	G. Thomps	
						9.0	1,01	156	20.3	30,6	50,4	64.Q	ROSETTE POSITION		68						2.69 N	MIN	LATITUDE	2-1-8		
													OSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	1673	DEG	LONG	w	TN193	CRUISE ID
							73						SALT					 	1	J.	. 9	X	LONGITUDE	01.00		!
						Q	60	59	58	57	56	55	NUTRIENTS							JD/TIME	3 w 6 9 m	DAY	DATE JD=		<u></u>	<u>R</u>
													CHL. Bot. no.	SAMPLE BO	FLUOR S/N						A Y 0 6	MO YR	8		ICE06	PROJECT & LEG
													CHL. Bot. no. Phyto.Species Phyto.Slides	SAMPLE BOTTLE NUMBERS				1 W 2	PAR on Bridge (µEinsteins m-2s-1		0515	동 ME	TIME (GMT)	Φ512		
													Li	6				chil mak	μEinsteins m-2		- 8	(°C)	DRY BULB		11706	DSDB I.D.
							8						ALK (MC)			:		×	15-1) = 299	100		(°C)	WET BULB			
													DIC (MC)						9		ф 5	(mb) * *	SEA	STATE BILITY		
							1	\					Lisa								3 4 2 1	(deg) (k	DIRN.			SI
	;											707	COMMENTS			MAX. DEPTH =				REMARKS	-	(kts) * * * (m)	TYPI	UD (amt) THER	-	STATION DESIGNATION
																3					35 H 5		STA. NAME/ID	B5 H5		

VESSEL R/V Tho	VESSEL R/V Thomas G. Thompson		CRUISE ID		PROJE	PROJECT & LEG		DSDB l.D.			ST.	STATION DESIGNATION	
		+.76		39,93			8470			TATE		HER	38HL
CAST #		LATITUDE	LONG	LONGITUDE	DATE JD=	•	TIME (GMT)	DRY BULB	WET BULB	PRESS SEA S VISIBII	WIND WI	SPD. CLOUI	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO YR	HR MIN	(°C)	ш	\Box	Ш	*	
11	7 4	4. 24 N	16739	9	8 w 4 9 m	A Y 0 6		-2.5		06	_		85#6
SBE 9+	- 		TIMES	JD/	JD/TIME				2.			REMARKS	
PRESS SN	¥ 		DATA ON	1			PAR on Bridge (µEinsteins m-2s-	(μEinsteins m-2	2s-1) =				
PRI TEMP SN	₱ SN		START DOWN										
SEC TEMP SN	¥P SN 		AT DEPTH	1									
PRI COND SN	NS GA	20	AT SURFACE									MAX. DEPTH =	€
SEC COND SN	ND SN		PAR S/N			FLUOR S/N	FLUOR S/N	:					
FIRED	FIRED DEPTH					SAMPLE BO	OTTLE NUMBERS				L150		
SEQ.	DESIRED	ROSETTE POSITION	DSITION	SALT	NUTRIENTS	CHL. Bot. no.	CHL. Bot. no. Phyto.Species Phyto.Slides		ALK (MC)	DIC (MC)	Deale	COMMENTS	
-	bot	4.40		708	23	283					6		
2	To:	15% SA			63								
ω	36	3ď. Y			重								
4	Z	23.0			65	283				W	7		!
ъ	26	24.2			66								
တ	16	(0.4)			49						٢		
7	0	2.6			30							:	
ω					,								
ဖ													
10											İ		
=											8		
12													
bucket													

VESSEL R/V Tho	las G. Tho	\$	CRUISE ID TN193 50	50.49	PROJE	CT & LEG	\$825		DSD8 I.I	——————————————————————————————————————	ESSURE A STATE	ESSURE A STATE SIBILITY WIND	ESSURE A STATE SIBILITY WIND	ESSURE A STATE SIBILITY WIND OUD (amt) PE EATHER
CAST #	DEG.	LATITUDE	LONGITUDE	UDE -	DATE JD=	\$	TIME (GMT)	DRY BULB	-10	WET BULB	WET BULB PRES * SEA	WET BULB PRES SEA : VISIB WIND DIRN.	WET BULB PRESS * SEA * * VISIB WIND WIND WIND CLOU * TYPE	WET BULB PRESS * SEA * * VISIB WIND WIND WIND CLOU
-	S	. 3 O z	16750	-	Z	Y 0 6	29	-2. 4		•	•	. \$ 7 329	. \$ 7	32966
SBE 9+			TIMES	JD/TIME	À .				l i				REMAR	REMARKS
PRESS SN	ž		DATA ON			_	PAR on Bridge (μEinsteins m-2s-1	μEinsteins	3	m-2s-1) =	_	_	_	_
PRI TEMP SN	P SN		START DOWN			1	المال الماليال	RS	l	pounty	l	remove cutings better	pounty	remove cutings better
SEC TEMP SN	AP SN	23	AT DEPTH							C	C	C	C	
PRI COND SN	D SN		AT SURFACE										MAX. D	MAX. DEPTH =
SEC COND SN	ND SN		PAR S/N			FLUOR S/N								
FIRED	DEPTH					SAMPLE BO	SAMPLE BOTTLE NUMBERS			Ω.		115-		
SEQ.	DESIRED	ROSETTE POSITION		SALT NU	NUTRIENTS C	HL. Bot. no.	CHL. Bot. no. Phyto.Species Phyto.Slides	hyto.Slid		es ALK (MC)	ALK	ALK (MC) DIC (MC)	ALK (MC) DIC (MC) What a	ALK (MC) DIC (MC)
-	87	65		6	69				-					
2	50	50.2		4	70									
ω	٥ ٢	2.0H		15					4 !					
4	97	301		4	72				. '					
5	20	4.8		73	3									
တ	0	10,0		75	2							<	<	
7	0	2,7		41	比									
ه م														
10									•					
=									-					
12									+					
bucket									<u> </u>					

VESSEL R/V Thon CONSC CAST #	omas G. Thom	3du		¢¢, d¢			48 <u>6</u> 1	DSDB I.D. 1TT06		≜	PRESSURE SEA STATE	PRESSURE SEA STATE VISIBILITY DIRN.
_	65727	7. 00 P	6844.		43 W 49 M	Α Υ 0 6	0 - 00	12.	Q	•		1.00
+6 38S			TIMES	JD/TIME	IME							
PRESS SN	¥ 		DATA ON			ļ	PAR on Bridge (µEinsteins m-2s-1	(μEinste	ins m-	ins m-2s-1) =	~	~
PRI TEMP SN	IP SN		START DOWN			ļ						
SEC TEMP SN	MP SN	_	AT DEPTH			ļ						
PRI COND SN	ID SN) -	AT SURFACE									
SEC COND SN	ND SN		PAR S/N			FLUOR S/N	١					
FIRED	FIRED DEPTH					SAMPLE BO	SAMPLE BOTTLE NUMBERS	"				الم 15 م
SEQ.	DESIRED	ROSETTE POSITION	SITION	SALT	NUTRIENTS	CHL. Bot. no.	CHL. Bot. no. Phyto.Species Phyto.Slides	^굙	1	o.Slides ALK (MC)	A K	ALK (MC)
1	상	4.99		2ф9	76						:	
2	50	50,2	··		77							
ω	f	h. Øh			78							
4	30	301			79							
5 .	8	19.9			80					43	9	ं
6	ō	14,4			00							< '
7	0	2,3			82				<u> </u>			
œ		:										
9												
10												
=												
12												
bucket												

		1								
VESSEL	CRUISE ID	PRC	PROJECT & LEG		DSDB I.D.	D.			STATION DESIGNATION	
R/V Thomas G. Thompson	TN193	ICE06	06		11706			 -		
19,02	69.97			1155	-···		STATE		THER	B5H9
CAST # LATITUDE	LONGITUDE	DATE JD=		TIME (GMT)	DRY BULB	WET BULB	SEA	DIRN. S	WEAT DEPTH	STA. NAME/ID
DEG MIN	DEG MIN		MO YR	HR MIN	(°C)	(°C)	(mb) * *		(kts) * * * (m)	
11175719.421	16869.97	w Q 9 M	A Y 0 6	1159	<u> </u>	•	48	8	111 36 0	85 119
SBE 9+	TIMES JD	JD/TIME							REMARKS	
PRESS SN	DATA ON			PAR on Bridge (µEinsteins m-2s-1)	(μEinsteins m-	2s-1) =				
PRI TEMP SN	START DOWN									
SEC TEMP SN	AT DEPTH									
PRI COND SN	AT SURFACE								MAX, DEPTH =	3
SEC COND SN	PAR S/N		FLUOR S/N							
FIRED DEPTH			SAMPLE BO	SAMPLE BOTTLE NUMBERS				لباغم		
SEQ. DESIRED ROSETTE POSITION	OSITION SALT	NUTRIENTS	CHL. Bot. no.	CHL. Bot. no. Phyto.Species Phyto.Slides		ALK (MC)	DIC (MC)	Day to	COMMENTS	
1 bot 62.7		83								
2 50 50.4		84								
3 40 44,8		85								
4 30 30,6		80								
5 2 19.7		60 42						1		
6. 01 9.9		88						1		
7 0 2,8		89								
8										
9										
10										
1										
12								į		
bucket										

VESSEL R/V Thomas G. Thompson	CRUISE ID TN193	PROJE ICE06	PROJECT & LEG		DSDB I.D. 1TT06		STATION DESIGNATION
CO. 90	20,93			1432		SSURE STATE BILITY	
CAST # LATITUDE	LONGITUDE	DATE JD=		TIME (GMT) DRY	DRY BULB WET BULB	PRES	DIRN. SPD. CLO
DEG	DEG MIN	DAY	MO YR HR		H	(mb) *	(kts)
11/8/5706.13	N 16820.	93 W B 9 M	Y 0 6	7-17	00	0	0,
	TIMES	JD/TIME					REMARKS
PRESS SN	DATA ON		PAR	PAR on Bridge (μEinsteins m-2s-1	teins m-2s-1) =	۱.φ	
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			11	
DEPTH	1		SAMPLE BOTTLE NUMBERS	E NUMBERS			
	ROSETTE POSITION SALT	NUTRIENTS	CHL. Bot. no. Phyto.Species Phyto.Slides	to.Species Phyto.	Slides ALK (MC)	DIC (MC)	COMMENTS
1 bot 74.8	210	0					
2 60 60.1		2					
3, 46 Ho,5		S.					
4 30 30.1		4			· · · · · · · · · · · · · · · · · · ·		
5 ² 6 ² 4.φ		5					
6 10 9.5		D					
7 6 2,8		4					
ω							
9							
10							
11							
12						3	
bucket							

bucket	12	=	10	9	σ	7	6	s	4	ω	2	1	SEQ. D	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	6/1/		CONSC CAST #	VESSEL R/V Thom
				N	10.3	20,2	29.8	40.4	505	60.9	759	93.5	DESIRED	DEPTH) SN	SS SS	NS				156 49	DEG		VESSEL R/V Thomas G. Thompson
													ROSETTE POSITION							i	7 . 84 N	MN	LATITUDE	on
													POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	687	DEG	5	CRUISE ID
												21/	SALT					- 	1	JD.	0.88	X Z	LONGITUDE	
				16	5	+	تر	12		10	9	8	NUTRIENTS		l. *					JD/TIME	w 09 M	DAY	DATE JD=	PR
	9			0		(0	0	0		9	0	CHL. Bot. no.	SAMPLE BO	FLUOR S/N						A Y 0 6	MO YR		PROJECT & LEG
					<		-						CHL. Bot. no. Phyto.Species Phyto.Slides	SAMPLE BOTTLE NUMBERS					PAR on Bridge (µEinsteins m-2s-		1647	HR MIN	TIME (GMT)	
												,		S					(µEinsteins m-		- - - - - - - - -	(°C)	DRY BULB	DSDB I.D. 1TT06
													ALK (MC)				4		2s-1) =		•	(°C)	WET BULB	Ď.
													DIC (MC)						129		09	(mb) * *	PRESSURE SEA STATE VISIBILITY	-
																					O.	(deg) (kts)	WIND WIND DIRN. SPD.	STA
		,											COMMENTS			MAX. DEPTH				REMARKS		*	CLOUD (amt) TYPE WEATHER	STATION DESIGNATION
															-	王 ■					0 B	(m)	BOTTOM DEPTH ST	NOI
																3					55 14 1 1		STA. NAME/ID	5#11

												٠	
VESSEL R/V Tho	VESSEL R/V Thomas G. Thompson	Si i	CRUISE ID		PROJE	PROJECT & LEG		DSDB I.D.	Þ.		S	STATION DESIGNATION	BSH12
CONSC	***	TUDE	_	LONGITUDE	DATE JD=		TIME (GMT)	DRY BULB	WET BULB	PRESSURE SEA STATE VISIBILITY	ATURE WIND WIND WIND WIND	WIND CLOUD (amt) TYPE WEATHER DEPTH	BSH12 M STA. NAME/ID
	DEG	MIN.	DEG	MIN		MO YR	HR MIN	(°C)	(°C)	*	$\overline{}$	* *	\neg
7	0 56 37	7.24 N	1684	9	w 09 M	A Y 0 6	1852	-11.2		10			2 85412
SBE 9+		,	TIMES	/0L	JO/TIME						,	REMARKS	
PRESS SN	z 		DATA ON			<u> </u>	PAR on Bridge (µEinsteins m-2s-	(μEinsteins m-	1) =	350			
PRI TEMP SN	NS 4	100	START DOWN										
SEC TEMP SN	P SN		AT DEPTH	1		<u> </u>							
PRI COND SN	D SN	,	AT SURFACE			j						MAX. DEPTH =	m
SEC COND SN	ND SN		PAR S/N_			FLUOR S/N						•	
FIRED	DEPTH					SAMPLE BO	SAMPLE BOTTLE NUMBERS	S					
SEQ.	DESIRED	ROSETTE POSITION	SITION	SALT	NUTRIENTS	CHL. Bot. no.	CHL. Bot. no. Phyto.Species Phyto.Slides		ALK (MC)	DIC (MC)		COMMENTS	
-	8-301	125		213	U								
2	75.5			12	8(:			
ω	60.3				19								
4	50.0				8-	\	š				_		
ر.	40.2				2	7	/						
6	30.0				22	7	,						
7	25,3				23	1	\						
ω	20.1				24	V .							
9	9.9				25	V .	7						
10	رب ا				26	`	\				_		
=													
12											_		
bucket			,										
			•										

PG __ OF __

# LATITUDE # LATITUDE	CRUISE 10 TN193 LONGIT DEG DEG	~	PROJECT & ICEO6 ICEO6 MO MO A Y	5 2) ₹ K		DRY BULB	WET BULB	C) SEA STATE * VISIBILITY	WET BULLB (*C) (mb) PRESSURE * SEA STATE * VISIBILITY Odeg Odeg Odes
21/5621.96	15/2	JD/TIME	M A Y	21	-111.41				0 12685 REMARKS
PRESS SN	DATA ON	JC/ 1 H1C		PAR on Bridge	PAR on Bridge (μEinsteins m-2s-1	s-1) = 578	8		- I
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/N					
FIRED DEPTH	BOCETTE BOCITION	CALT N# TOIRNTS	:	SAMPLE BOTTLE NUMBERS		ALK (NO.)	DIC (NC)		COMMENTS
1 121.5		214 27	7	5					
2 10.0			28		-				
3 75.7		2	29						
4 60.5		υ	30						:
\$ 50.4		اما	31 /						
6 40,3		۱۵۱	32 "						
7 29.9		l"NI	33 V						
8 9.9		3	34 V	-					
9 10.0		.2	35 /						
10 (N)			36						
=									
12									
bucket		! 							

74 3,2	bucket 10, 22		11 31.0	10 40.3	9.02 6	8 60.4	7 75,7	6.00.9	s 125,9	4 152.0	3 177.1	2 202.3	1 243.6	SEQ. BESINED	FIRED DEPTH	SEC COND SN	PRI COND SN	SEC TEMP SN	PRI TEMP SN	PRESS SN	SBE 9+	122561	DEG	CONSC CAST #	R/V Thomas G. Thompson	VESSEL
	7													ROSETTE POSITION		PAR S/N	AT SURFACE	AT DEPTH	START DOWN	DATA ON	TIMES	⊗	DEG	ATTTUDE LC	pson TN193	CRUISE ID
25	50	宏	4	4	2	2	43	42	+	ch Ch	39	38	215 37	SALT NUTRIENTS							JD/TIME	57 w		LONGITUDE DATE		
0	1	~	7	% ~	12	な	(V)	2		0	9				SAMPLE BO	FLUOR S/N						3	DAY MO YR	TE JO=	ICE06	PROJECT & LEG
			<		_									CHL. Bot. no. Phyto.Species Phyto.Slides	SAMPLE BOTTLE NUMBERS					PAR on Bridge (µEinsteins m-2s-1)		231141-11	HR MIN (*	TIME (GMT) DRY		
														Slides ALK (MC)						eins m-2s-1) = 748		. 7	°C) (°C)	DRY BULB WET BULB	11106	DSDB I.D.
														DIC (MC))	3 3	(mb) * * (de	PRESSURE SEA STATE VISIBILITY DIRNES		
														COMMENTS			MAX. DEPTH = m				REMARKS	820	(deg) (kts) * * * (m)	RN. SPD. CLOUD (amt) TYPE WEATHER DEPTH STA. NAME/ID		STATION DESIGNATION