

[illegible]



VESSEL R/V Thomas G. Thompson		CRUISE ID TH193		PROJECT & LEG IT193 ICE06		DSD8 I.D. 11T06		STATION DESIGNATION Ice edge	
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD-		TIME (GMT)	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(C) (C) (mb) * *	
0035749.99		N 16356.07		W 116 APR 06		1809		396 ME/m <sup>2</sup> /s	
SBE 9+		TIMES		JD/TIME		PAR		REMARKS	
PRESS SN		DATA ON		18.07		1-2 Healy ice, small pieces		slush	
PRI TEMP SN		START DOWN		18.09					
SEC TEMP SN		AT DEPTH		18.11					
PRI COND SN		AT SURFACE							
SEC COND SN		PAR S/N		FLUOR S/N		MAX. DEPTH =		m	
FIRED DEPTH		ROSETTE POSITION		SALT		NUTRIENTS		CHL. Bot. no. ALK (LE) ALK (MC) DIC (MC)	
SEQ. DESIRED								COMMENTS	
1 41.7						53		✓	
2 30.5						54		✓	
3 20.1						55		✓	
4 10.0						51		✓	
5 3.7						57		✓	
6									
7									
8									
9									
10									
11									
12									
bucket									

A141

VESSEL R/V Thomas G. Thompson		CRUISE ID TN193		PROJECT & LEG TN193- Ice 06		DSD8 I.D. 11T06		STATION DESIGNATION A2H1	
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		DRY BULB (°C)	
045749.04 N		16415.57 W		16 APR 06		2200-11.3		WET BULB (°C)	
								PRESSURE (mb)	
								SEA STATE	
								VISIBILITY	
								WIND DIRN. (deg)	
								WIND SPD. (m/s)	
								CLOUD (amt)	
								TYPE	
								WEATHER	
								BOTTOM DEPTH (m)	
								STA. NAME/ID	
								50 A2H1	

  

SBE 9+	TIMES	JD/TIME	REMARKS
PRESS SN	DATA ON	21:59	
PRI TEMP SN	START DOWN	22:00	
SEC TEMP SN	AT DEPTH	22:02	
PRI COND SN	AT SURFACE	22:06	
SEC COND SN			

  

FIRED	DEPTH	ROSETTE POSITION	SALT	NUTRIENTS	CHL. Bot. no.	ALK (LE)	ALK (MC)	DIC (MC)	COMMENTS
SEQ.	DESIRED								
1	45.2		52	58					slushy
2	41.6			59					ch > 10 mic
3	32.0			60					BL > 5um
4	21.1			61					
5	10.0			62					
6	2.1			63					
7									
8									
9									
10									
11									
12									
bucket									

  

FLUOR S/N	MAX. DEPTH = 45.2 m
PAR S/N	

  

SAMPLE BOTTLE NUMBERS
3-4 10 <sup>th</sup> Ice Slush small
Flora

VESSEL R/V Thomas G. Thompson		CRUISE ID TN193		PROJECT & LEG TN193 Ice 06		DSDB I.D. 1TT06		STATION DESIGNATION A2H2																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD-		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
0055741.011 N		16415.04 W		16 APR 06		2345-11.00		75		1		70		18		53		A2H2															
SBE 9+		TIMES		JD/TIME		PAR																											
PRESS SN		DATA ON																															
PRI TEMP SN		START DOWN		23:46																													
SEC TEMP SN		AT DEPTH		23																													
PRI COND SN		AT SURFACE																															
SEC COND SN		PAR S/N																															
FIRID DEPTH		ROSETTE POSITION		SALT		NUTRIENTS		CHL. Bot. no.		ALK (LE)		ALK (MC)		DIC (MC)		PHYS		ALL		COMMENTS		HPLC											
1 46.1						64		✓								Stubs		>10 µm		25 µm		HPLC											
2 40.9						65		✓								✓																	
3 30.0						66		✓								✓																	
4 22.6						67		✓								✓																	
5 10.7						68		✓								✓																	
6 2.3						53		69		✓						✓																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	
bucket																																	

MAX. DEPTH = 53 m

[illegible]



[illegible]



VESSEL		CRUISE ID		PROJECT & LEG		STATION DESIGNATION	
R/V Thomas G. Thompson		TN193		ICE06		DSOB I.D. 1TT06	
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=	
DEG		MIN		DEG		MIN	
DAY		MO		HR		MIN	
SEC		YR		SEC		MIN	
COND		S/N		FLUOR S/N		PAR S/N	
1	63	55	7				
2	50	8					
3	40	9					
4	30	10					
5	20	11					
6	10	12					
7	0	13					
8							
9							
10							
11							
12							
bucket							

VESSEL R/V Thomas G. Thompson		CRUISE ID TN193		PROJECT & LEG ICE06		DSDB I.D. 1TT06		STATION DESIGNATION 5000	
CONSC CAST # 010		LATITUDE 56.61		LONGITUDE 49.87		DATE JD= 1418		TIME (GMT) 1418	
DEG 56		MIN 56		DEG 49		MIN 56		WET BULB (°C)	
N		N		W		A		P	
SBE 9+		TIMES		JD/TIME		HR		MIN	
PRESS SN		DATA ON				14		24	
PRI TEMP SN		START DOWN				1		8	
SEC TEMP SN		AT DEPTH							
PRI COND SN		AT SURFACE							
SEC COND SN		PAR S/N		FLUOR S/N					
FIRED		DEPTH		ROSETTE POSITION		SALT		NUTRIENTS	
SEQ.		DESIRED						CHL. Bot. no.	
1		60				56		14	
2		50						15	
3		40						16	
4		30						17	
5		20						18	
6		10						19	
7		0						20	
8									
9									
10									
11									
12									
bucket									

5096 20 1596 35

VESSEL R/V Thomas G. Thompson		CRUISE ID TN193		PROJECT & LEG ICE06		DSDB I.D. 11T06		STATION DESIGNATION M4E	
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD-		TIME (GMT)	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		DRY BULB	
15746.04 N		16827.97 W		18 APR 06		1910-6.5		WET BULB	
								PRESSURE	
								SEA STATE	
								VISIBILITY	
								WIND DIRN.	
								WIND SPD.	
								CLOUD (amt)	
								TYPE	
								WEATHER	
								BOTTOM DEPTH	
								STA. NAME/ID	
								72 M4E	

  

SBE 9+ PRESS SN PRI TEMP SN SEC TEMP SN PRI COND SN SEC COND SN		TIMES DATA ON START DOWN AT DEPTH AT SURFACE		JD/TIME 1910 1912 1918		PAR on Bridge ( $\mu$ Einst. m-2s-1) = 240		REMARKS	
SEC COND SN		PAR S/N		FLUOR S/N		MAX DEPTH = 45 m			

  

SEQ.	DEPTH DESIRED	ROSETTE POSITION	SALT	NUTRIENTS	CHL. Bot. no.	Phyto. Species	ALK (MC)	DIC (MC)	COMMENTS
1	65			8					
2	61.3			9					
3	51.0			10					
4	41.2			11					
5	36.2		057	12					Rod + Lisa (50% light level)
6	30.3			13					
7	19.8			14					
8	20.			16					Rod + Lisa (50% light level)
9	10.3			17					
10	3.4								
11									
12									
bucket									

bottle ~ 1m above pressure sensor

[illegible]

VESSEL		CRUISE ID		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION															
R/V Thomas G. Thompson		TN193		ICE06		1TT06		M4 W															
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD-		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID				
0135755.611N	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	*	(deg)	(m/s)	*	*	(m)	M4 W			
SBE 9+ TIMES JD/TIME																							
PRESS SN				DATA ON		0142		PAR on Bridge (μEinsteins m-2s-1) = 260												REMARKS			
PRI TEMP SN				START DOWN		0142																	
SEC TEMP SN				AT DEPTH		0143																	
PRI COND SN				AT SURFACE		148																	
SEC COND SN				PAR S/N				FLUOR S/N				MAX. DEPTH = 65 m											
SEQ.	DEPTH	ROSETTE POSITION		SALT	NUTRIENTS	CHL. Bot. no.	Phyto.Species	ALK (MC)	DIC (MC)	COMMENTS													
1	59.9				25																		
2	50.2			059	26	✓																	
3	40.7				27	✓																	
4	30.2				28	✓																	
5	20.2				29	✓																	
6	10.3				30	✓																	
7	3.3				31																		
8																							
9																							
10																							
11																							
12																							
bucket																							

[illegible]

VESSEL R/V Thomas G. Thompson		CRUISE ID TN193		PROJECT & LEG ICE06				DSD8 I.D. 1TT06		STATION DESIGNATION M4N																													
CONSC CAST #		LATITUDE 03.98		LONGITUDE 43.65		DATE JD= 19 APR 06		TIME (GMT) 0819		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE *		VISIBILITY *		WIND DIRN.		WIND SPD.		CLOUD (amt) TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID									
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(m/s)		*		*		(m)			
01558		03.99		16843.62		W		19		A		P		R		06		0833		-8.8								17		04213						72		M4N	
SBE 9+		TIMES		JD/TIME																																			
PRESS SN				DATA ON																																			
PRI TEMP SN				START DOWN																																			
SEC TEMP SN				AT DEPTH																																			
PRI COND SN				AT SURFACE																																			
SEC COND SN				PAR S/N																																			
FIRED		DEPTH		ROSETTE POSITION		SALT		NUTRIENTS		CHL. Boc. no.		Phyto.Species		ALK (MC)		DIC (MC)																							
SEQ.		DESIRED																																					
1		63				61		40																															
2		50						41																															
3		40						42																															
4		30						43																															
5		20						44																															
6		10						45																															
7		0						46																															
8																																							
9																																							
10																																							
11																																							
12																																							
bucket																																							

REMARKS  
19301501.05

MAX. DEPTH = m

VESSEL R/V Thomas G. Thompson		CRUISE ID TN193		PROJECT & LEG ICE06		DSDB I.D. 1TT06		STATION DESIGNATION																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD =		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRL		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
0165815.35 N		16846.17 W		19 APR 06		143111.3		15		4214		70		B141																			
SBE 9+		TIMES		JD/TIME																													
PRESS SN		DATA ON		1630																													
PRI TEMP SN		START DOWN																															
SEC TEMP SN		AT DEPTH																															
PRI COND SN		AT SURFACE																															
SEC COND SN		PAR S/N		FLUOR S/N																													
FIRED DEPTH		ROSETTE POSITION		SALT		NUTRIENTS		CHL. Bot. no.		Phyto. Species		ALK (MC)		DIC (MC)																			
1 60.2						1		✓																									
2 50.5						2		✓																									
3 40.6						3		✓																									
4 30.4						4		✓																									
5 20.2						5		✓																									
6 10.0						6		✓																									
7 2.0						7		✓																									
8																																	
9																																	
10																																	
11																																	
12																																	
bucket																																	

PAR on Bridge (μEinsteins m-2s-1) = 29

Neg

MAX. DEPTH =

m



VESSEL		CRUISE ID		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION										
R/V Thomas G. Thompson		TN193		ICE06		1TT06		B142										
CONSC CAST #	DEG	MIN	LONGITUDE	DATE	JD-	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
0175824.72N				16846.50W	19A	1826.11.8			14			369	12				69	B142
SBE 9+		TIMES		JD/TIME		PAR on Bridge (μEinsts m-2s-1) = 133		REMARKS										
PRESS SN																		
PRI TEMP SN																		
SEC TEMP SN																		
PRI COND SN																		
SEC COND SN																		
PAR S/N		FLUOR S/N		SAMPLE BOTTLE NUMBERS		PAR on Bridge (μEinsts m-2s-1) = 133		REMARKS										
FIRED	DEPTH	ROSETTE POSITION	SALT	NUTRIENTS	CHL. Bot. no.	Phyto. Species	ALK (MC)	DIC (MC)	COMMENTS									
1	58.7			8					Lisa									
2	50.5		064	9					Lisa									
3	40.2			10					Lisa									
4	30.2			11					Lisa									
5	20.0			12					Lisa									
6	10.0			13					Lisa									
7	3.1			14					Lisa									
8																		
9																		
10																		
11																		
12																		
bucket																		

[illegible]

VESSEL R/V Thomas G. Thompson		CRUISE ID TN193		PROJECT & LEG ICE06		DSDB I.D. 1TT06		STATION DESIGNATION	
CONSC CAST #		23.12 LATITUDE		42.67 LONGITUDE		DATE JD= 0358		TIME (GMT)	
DEG		MIN		DEG		MIN		DAY	
MO		YR		HR		MIN		SEC	
01		19		58		23		11	
01		19		58		23		11	
SBE 9+		TIMES		JD/TIME		PAR on Bridge (Einstein's m-2s-1) =		REMARKS	
PRESS SN		DATA ON		JD/TIME		PAR on Bridge (Einstein's m-2s-1) =		REMARKS	
PRI TEMP SN		START DOWN		JD/TIME		PAR on Bridge (Einstein's m-2s-1) =		REMARKS	
SEC TEMP SN		AT DEPTH		JD/TIME		PAR on Bridge (Einstein's m-2s-1) =		REMARKS	
PRI COND SN		AT SURFACE		JD/TIME		PAR on Bridge (Einstein's m-2s-1) =		REMARKS	
SEC COND SN		PAR S/N		JD/TIME		PAR on Bridge (Einstein's m-2s-1) =		REMARKS	
FRIED		DEPTH		SALT		NUTRIENTS		CHL. BOC. NO.	
SEQ.		DESIRED		ROSETTE POSITION		SALT		NUTRIENTS	
1		42		61.8		65		19	
2		50		50.6		20		20	
3		40		40.4		21		21	
4		30		30.5		22		22	
5		20		20.4		23		23	
6		10		10.3		24		24	
7		5		3.1		25		25	
8									
9									
10									
11									
12									
bucket									

VESSEL		CRUISE ID		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION					
R/V Thomas G. Thompson		TN193		ICE06		1TT06							
CONSC CAST #		15.68		53.37		0628						82412	
LATITUDE		LONGITUDE		DATE JD-		TIME (GMT)		DRY BULB		WET BULB		PRESSURE	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		(°C)		(°C)		(mb)	
15.68		53.37		24 APR 06		0631		-8.4				04	
SBE 9+		TIMES		JD/TIME		PAR on Bridge (μEinsteins m-2s-1) = 5.4						REMARKS	
PRESS SN		DATA ON											
PRI TEMP SN		START DOWN											
SEC TEMP SN		AT DEPTH											
PRI COND SN		AT SURFACE											
SEC COND SN		PAR S/N		FLUOR S/N								MAX. DEPTH = m	
FIRE		DEPTH		SAMPLE BOTTLE NUMBERS									
SEQ. DESIRED		ROSETTE POSITION		SALT		NUTRIENTS		CHL. Bot. no.		Phyto. Species		ALK (MC)	
1 65		65.9		26		27							
2 60		60.4		27		28							
3 50		50.7		29		30							
4 40		40.2		31		32							
5 30		30.3		33		34							
6 20		20.1		35		36							
7 10		10.2		37		38							
8 0		0.7		39		40							
9				41		42							
10				43		44							
11				45		46							
12				47		48							
bucket				49		50							

[illegible]

[illegible]

[illegible]

VESSEL R/V Thomas G. Thompson		CRUISE ID TN193		PROJECT & LEG ICE06		DSD8 I.D. 1TT06		STATION DESIGNATION			
CONSC CAST #		58.73 LATITUDE		39.94 LONGITUDE		DATE JD =		TIME (GMT)		1058	
DEG		MIN		DEG		MIN		DAY		MO	
12		45		75		8		16		3	
N		N		N		W		21		A	
SBE 9+		TIMES		JD/TIME		PAR on Bridge ( $\mu$ Einsteins m-2s-1)		WET BULB		PRESSURE	
PRESS SN		DATA ON						(°C)		(mb)	
PRI TEMP SN		START DOWN						(°C)		SEA STATE	
SEC TEMP SN		AT DEPTH								VISIBILITY	
PRI COND SN		AT SURFACE								WIND DIRN.	
SEC COND SN		PAR S/N		FLUOR S/N						WIND SPD.	
										(deg)	
										(m/s)	
										CLOUD (amt)	
										TYPE	
										WEATHER	
										BOTTOM DEPTH	
										(m)	
										STA. NAME/ID	
										B2H5	
										72	
										82	
										K5	
										19302401, Lt	
										MAX. DEPTH =	
										m	
FIRED DEPTH		ROSETTE POSITION		SALT		NUTRIENTS		CHL. Bot. no.		Phyto. Species	
SEQ. DESIRED										ALK (MC)	
1		63.6				8E				DIC (MC)	
2		51.1				9F				L13a	
3		39.8				10F				5(12.5)	
4		36.2				11F				-52	
5		19.8				12F				-51	
6		9.4				13F					
7		4.2				14F					
8											
9											
10											
11											
12											
bucket											



[illegible]

VESSEL R/V Thomas G. Thompson		CRUISE ID TN193		PROJECT & LEG ICE06		DSDR I.D. 1TT06		STATION DESIGNATION B3H1																																	
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD-		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		WEATHER		BOTTOM DEPTH		STA. NAME/ID											
026		57		55.98 N		16828.05 W		21 APR 06		2115		-6.3		.		60		1		185		27		1		1		71		B3H1											
SBE 9+		DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		°C		°C		(mb)		+		+		(deg)		(m/s)		+		+		(m)			
PRESS SN						TIMES		DATA ON																																	
PRI TEMP SN						START DOWN																																			
SEC TEMP SN						AT DEPTH																																			
PRI COND SN						AT SURFACE																																			
SEC COND SN						PAR S/N																																			
FIRED		DEPTH		ROSETTE POSITION		SALT		NUTRIENTS		CHL. Bot. no.		Phyto. Species		ALK (MC)		DIC (MC)																									
SEQ.		DESIRED																																							
1		65		69.4				24																																	
2		60		64.0		0071		25																																	
3		50		50.7				26																																	
4		40		40.6				27																																	
5		30		30.3				28																																	
6		20		20.2				29																																	
7		10		10.0				30																																	
8		0		3.6				31																																	
9																																									
10																																									
11																																									
12																																									
bucket																																									

Column: Bottle 23 couldn't be found, so we skipped 22 and started this cast with a sequence from 24 →

VESSEL R/V Thomas G. Thompson		CRUISE ID TNI 93		PROJECT & LEG ICE06		DSOB I.D. 1TT06		STATION DESIGNATION B3H2																																	
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD =		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID									
027		5805.98 N		16827.97 W		21 APR 06		231716.5		.		00		43		27		71																							
SBE 9+		DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		°C		°C		(mb)		*		*		(deg)		(m/s)		*		*		(m)			
PRESS SN						TIMES		JD/TIME		DATA ON																															
PRI TEMP SN						START DOWN																																			
SEC TEMP SN						AT DEPTH																																			
PRI COND SN						AT SURFACE																																			
SEC COND SN						PAR S/N				FLUOR S/N																															
FIRED		DEPTH		ROSETTE POSITION		SALT		NUTRIENTS		CHL. Bot. no.		Phyto. Species		ALK (MC)		DIC (MC)																									
SEQ.		DESIRED																																							
1		66.2						32																																	
2		60.4						33																																	
3		50.7						34																																	
4		40.6						35																																	
5		30.1						36																																	
6		20.2						37																																	
7		10.0						38																																	
8		3.3						72																																	
9																																									
10																																									
11																																									
12																																									
bucket																																									

No Ice

PAR on Bridge (μEinsteins m-2s-1) = 519

MAX. DEPTH = m

VESSEL		CRUISE ID		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION																
R/V Thomas G. Thompson		TN193		ICE06		1TT06		B3H3																
CONSC CAST #	DEG	MIN	SEC	DEG	MIN	SEC	DATE	JD-	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID			
028	58	17	.36	N	16	28	39	W	22	A	P	R	0	6	01	27	-6.1				144	27	70	B3H3
SBE 9+		TIMES		JD/TIME		PAR on Bridge ( $\mu$ Einsteins m <sup>-2</sup> s <sup>-1</sup> ) = 395		REMARKS																
PRESS SN		DATA ON																						
PRI TEMP SN		START DOWN																						
SEC TEMP SN		AT DEPTH																						
PRI COND SN		AT SURFACE																						
SEC COND SN		PAR S/N																						
FIRE		DEPTH		ROSETTE POSITION		SALT		NUTRIENTS		CHL. Bot. no.		Phyto.Species		ALK (MC)		DIC (MC)		COMMENTS						
1	60.6							40																
2	50.6							41																
3	40.7							42																
4	30.7							43																
5	20.4							44																
6	10.1							45																
7	2.6							46																
8																								
9																								
10																								
11																								
12																								
bucket																								

[illegible]

VESSEL		CRUISE ID		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION										
R/V Thomas G. Thompson		TN193		ICE06		1TT06		C3H1										
CONSC CAST #	DEG	MIN	LONGITUDE	DATE JD =	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	Air WIND DIRN.	Air WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
0305829.84 N	169	59.5	5 W	22 A	P R O 6	2302-8.0	.0	.10	*	*	(deg)	(m/s)	* * *	*	*	(m)	72 C3H1	
SBE 9+	TIMES JD/TIME																	
PRESS SN	DATA ON																	
PRI TEMP SN	START DOWN																	
SEC TEMP SN	AT DEPTH																	
PRI COND SN	AT SURFACE																	
SEC COND SN	PAR S/N																	
FIRE	DEPTH	SAMPLE BOTTLE NUMBERS																
SEQ.	DESIRE	ROSETTE POSITION	SALT	NUTRIENTS	CHL. Bot. no.	Phyto.Species	ALK (MC)	DIC (MC)	COMMENTS									
1	70	70.8		9														
2	60	60.6		10														
3	50	50.6		11														
4	40	40.4		12														
5	30	30.4	194	13														
6	20	20.4		14														
7	10	10.4		15														
8	0	3.0		16														
9																		
10																		
11																		
12																		
bucket																		

[illegible]

VESSEL R/V Thomas G. Thompson		CRUISE ID TN193		PROJECT & LEG ICE06		DSOB I.D. 11T06		STATION DESIGNATION																															
CONSC CAST #		LATITUDE 16.66		LONGITUDE 24.69		DATE JD =		TIME (GMT) 0647		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID C4H2							
DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(m/s)		*		*		(m)			
0325816.62N		17024.69W		23APR06		0652-7.3								13		33821																76		C4H2					
SBE 9+		TIMES		JD/TIME		PAR on Bridge (μEinsteins m-2s-1) =		REMARKS																															
PRESS SN		DATA ON																																					
PRI TEMP SN		START DOWN																																					
SEC TEMP SN		AT DEPTH																																					
PRI COND SN		AT SURFACE																																					
SEC COND SN		PAR S/N																																					
FIRED		DEPTH		ROSETTE POSITION		SALT		NUTRIENTS		CHL. Bot. no.		Phyco.Species		ALK (MC)		DIC (MC)		COMMENTS																					
SEQ.		DESIRED																																					
1		70		71.4		196		25																															
2		60		64.4				26																															
3		50		54.3				27																															
4		40		44.7				28																															
5		30		36.5				29																															
6		20		24.4				30																															
7		10		14.2				31																															
8		0		2.6				32																															
9																																							
10																																							
11																																							
12																																							
bucket																																							

C4H2  
samples for lab



VESSEL R/V Thomas G. Thompson		CRUISE ID TN193		PROJECT & LEG ICE06		DSDB I.D. 11T06		STATION DESIGNATION	
CONSC CAST #		LATITUDE 12.98		LONGITUDE 24.64		DATE JD= 0812		TIME (GMT) 0816-7.3	
DEG 033		MIN 58		DEG 24		MIN 09		DAY 23	
N		W		A		P		R	
SBE 9+		TIMES		JD/TIME		HR 08		MIN 16	
PRESS SN		DATA ON		PAR on Bridge (μEinsteins m-2s-1) =		°C 7.3		°C .	
PRI TEMP SN		START DOWN		WIND DIRN. 342		WIND SPD. 19		CLOUD (amt) .	
SEC TEMP SN		AT DEPTH		WIND TYPE .		WEATHER .		BOTTOM DEPTH (m) 77	
PRI COND SN		AT SURFACE		MAX. DEPTH =		m		STA. NAME/ID C443	
SEC COND SN		PAR S/N		FLUOR S/N		.		.	

  

SEQ.	DEPTH	ROSETTE POSITION	SALT	NUTRIENTS	CHL. Bot. no.	Phyto.Species	ALK (MC)	DIC (MC)	SAMPLE BOTTLE NUMBERS	COMMENTS
1	6.1	67.2	197	33					Sh. 14	Dissolved
2	50	50.6		34	X					
3	40	40.7		35	X					08
4	30	30.5		36	X					
5	20	20.2		37	X					
6	10	10.1		38	X					07
7	0	2.5		39	X					
8										
9										
10										
11										
12										
bucket										

VESSEL	CRUISE ID	PROJECT & LEG	DSDB I.D.	STATION DESIGNATION														
R/V Thomas G. Thompson	TN193	ICE06	1TT06															
CONSC CAST #	DEG	MIN	SEC	LONGITUDE	DATE JD-	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRL	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
0345848.11 N				23.99		0954	-7.7	.	15	*	*	333	17				77	C4H4
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													
SEC COND SN					PAR S/N													
FIRE	DEPTH	SAMPLE BOTTLE NUMBERS																
SEQ.	DESIRED	ROSETTE POSITION	SALT	NUTRIENTS	CHL. Bot. no.	Phyto.Species	ALK (MC)	DIC (MC)	COMMENTS									
1	bottom	67.d	198	40					Slides Lisa									
2	60	60.9		41														
3	50	50.4		42	X													
4	40	40.4		43	X													
5	30	30.1		44	X													
6	20	20.1		45	X													
7	10	10.4		46	X													
8	0	3.2		47	X													
9																		
10																		
11																		
12																		
bucket																		

[illegible]

[illegible]

VESSEL R/V Thomas G. Thompson		CRUISE ID TN193		PROJECT & LEG ICE06		DSDB I.D. 11T06		STATION DESIGNATION	
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD-		TIME (GMT)	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		DRY BULB (°C)	
03 75 8 09 . 49 N		17 0 20 . 80 W		23 A P R 0 6		16 20 - 8.4		16	
SBE 9+ _____		TIMES		JD/TIME		WET BULB (°C)		PRESSURE (mb)	
PRESS SN _____		DATA ON _____		PAR on Bridge (Weinsteins m-2s-1) = 17		SEA STATE		VISIBILITY	
PRI TEMP SN _____		START DOWN _____		prod (1st of 2 prods no bottles)		WIND DIRN. (deg)		WIND SPD. (m/s)	
SEC TEMP SN _____		AT DEPTH _____		in islet & down ice		CLOUD (amt)		TYPE	
PRI COND SN _____		AT SURFACE _____		25 miles from ice edge		WEATHER		BOTTOM DEPTH (m)	
SEC COND SN _____		PAR S/N _____		FLUOR S/N _____		MAX. DEPTH =		m	
FIRID DEPTH		ROSETTE POSITION		SALT		NUTRIENTS		CHL. Bot. no.	
SEQ. DESIRED		SALT		NUTRIENTS		CHL. Bot. no.		Phyto-Species	
1		ALK (MC)		DIC (MC)		COMMENTS			
2		ALK (MC)		DIC (MC)		COMMENTS			
3		ALK (MC)		DIC (MC)		COMMENTS			
4		ALK (MC)		DIC (MC)		COMMENTS			
5		ALK (MC)		DIC (MC)		COMMENTS			
6		ALK (MC)		DIC (MC)		COMMENTS			
7		ALK (MC)		DIC (MC)		COMMENTS			
8		ALK (MC)		DIC (MC)		COMMENTS			
9		ALK (MC)		DIC (MC)		COMMENTS			
10		ALK (MC)		DIC (MC)		COMMENTS			
11		ALK (MC)		DIC (MC)		COMMENTS			
12		ALK (MC)		DIC (MC)		COMMENTS			
bucket		ALK (MC)		DIC (MC)		COMMENTS			

1st of 2 Reductions CTDs same site

2 CTDs successfully

No samples - phyto plankton filter

VESSEL R/V Thomas G. Thompson		CRUISE ID TN193		PROJECT & LEG ICE06		DSOB I.D. 11T06		STATION DESIGNATION	
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD-		TIME (GMT)	
385809.50 N		17020.90 W		23 APR 06		1630		frontier	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		TIME (GMT)	
38 58 09.50		17 02 09.90		23 APR 06		16 30		1630	
SBE 9+		TIMES		JD/TIME		PAR on Bridge (Heineke m-2s-1) = 19		REMARKS	
PRESS SN		DATA ON				Second CID at Pond site			
PRI TEMP SN		START DOWN				Ice 2.5 miles away			
SEC TEMP SN		AT DEPTH				piece ice around ship			
PRI COND SN		AT SURFACE				MAX. DEPTH =		m	
SEC COND SN		PAR S/N		FLUOR S/N					
FIRE		DEPTH		ROSETTE POSITION		SALT		NUTRIENTS	
SEQ.		DESIRED							
1		69.2						64	
2		60.6						65	
3		50.3						66	
4		40.4						67	
5		30.2						68	
6		20.5				0201		69	
7		10.5						70	
8		3.4						71	
9									
10									
11									
12									
bucket									

VESSEL		CRUISE ID		PROJECT & LEG		SDSB I.D.		STATION DESIGNATION									
R/V Thomas G. Thompson		TN193		ICE06		11T06		CA 48									
CONSC CAST #	LATITUDE	LONGITUDE	DATE	JD-	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRL.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID
03988	11.76 N	17019.51 W	23	3A	1811	-8.6		16	*	*	338	14				76	C4H8
SBE 9+ _____																	
PRESS SN _____		DATA ON _____		JD/TIME _____		PAR on Bridge (μEinsteins m-2s-1) = _____											
PRI TEMP SN _____		START DOWN _____		1811		PAR on Bridge (μEinsteins m-2s-1) = _____											
SEC TEMP SN _____		AT DEPTH _____		1813		PAR on Bridge (μEinsteins m-2s-1) = _____											
PRI COND SN _____		AT SURFACE _____		PAR S/N _____		MAX. DEPTH = _____ m											
SEC COND SN _____		PAR S/N _____		FLUOR S/N _____		REMARKS _____											
SEQ.	DEPTH	ROSETTE POSITION	SALT	NUTRIENTS	CHL. Bot. no.	Phyto.Species	ALK (MC)	DIC (MC)	COMMENTS								
1	69.1			73													
2	60.7		0202	74													
3	50.4			75													
4	40.4			76													
5	30.4			77													
6	20.4			78													
7	10.1			79													
8	2.6																
9																	
10																	
11																	
12																	
bucket																	

VESSEL		CRUISE ID		PROJECT & LEG		SDSB I.D.		STATION DESIGNATION												
R/V Thomas G. Thompson		TNI93		ICE06		11T06		25H1												
CONSC CAST #	LATITUDE		LONGITUDE		DATE JD-		TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
0405826.47N	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	*	(deg)	(m/s)	*	*	(m)	25H1	
SBE 9+										TIMES		JD/TIME		REMARKS						
PRESS SN										DATA ON		PAR on Bridge (Einstein's m-2s-1) = 773								
PRI TEMP SN										START DOWN		First dive ops were done near								
SEC TEMP SN										AT DEPTH		here Toe edge, In '80ve								
PRI COND SN										AT SURFACE		MAX. DEPTH =								
SEC COND SN										PAR S/N		FLUOR S/N		m						
SEQ.	DEPTH	ROSETTE POSITION		SALT	NUTRIENTS	CHL. Bot. no.	Phyto. Species	ALK (MC)	DIC (MC)	COMMENTS										
1	81			204	89															
2	70.8				81															
3	60.6				82															
4	50.6				83															
5	40.4				84															
6	30.2				85															
7	19.9				86															
8	10.2				87															
9	3.1				88															
10																				
11																				
12																				
bucket																				



VESSEL R/V Thomas G. Thompson		CRUISE ID TN193		PROJECT & LEG ICE06		DSD8 I.D. 1TT06		STATION DESIGNATION																											
CONSC CAST #		24.34 LATITUDE		12.12 LONGITUDE		DATE JD- 0453 TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE *		VISIBILITY *		WIND DIRN. (deg)		WIND SPD. (m/s)		CLOUD (amt) *		TYPE *		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID					
041		5824.34		N		12118.14		W24		A		P		R		0		6		0453		-8.4		.		17		327		49		92		CGH1	
SBE 9+		TIMES		JD/TIME		PAR on Bridge (μEinsteins m <sup>-2</sup> s <sup>-1</sup> ) = 119		At the end of an ice finger		REMARKS		MAX. DEPTH =		m																					
PRESS SN		DATA ON																																	
PRI TEMP SN		START DOWN																																	
SEC TEMP SN		AT DEPTH																																	
PRI COND SN		AT SURFACE																																	
SEC COND SN		PAR S/N																																	
FIRE		DEPTH		ROSETTE POSITION		SALT		NUTRIENTS		CHL. Bot. no.		Phyto.Species		ALK (MC)		DIC (MC)																			
SEQ.		DESIRED																																	
1		bottom		864		245		89																											
2		80		849				90																											
3		70		746				91																											
4		65		646				92																											
5		50		54.5				95																											
6		42		44.5				96																											
7		30		30.5				97																											
8		20		19.9				98																											
9		10		10.1				99																											
10		0		3.0				100																											
11																																			
12																																			
bucket																																			

Floating ice picked up here  
Small streamers coming off point - Puffins likes these

VESSEL R/V Thomas G. Thompson		CRUISE ID TN193		PROJECT & LEG ICE06		DSDB I.D. 11TT06		STATION DESIGNATION	
CONSC CAST #		21.66 LATITUDE		21.83 LONGITUDE		DATE JD =		TIME (GMT)	
DEG MIN		DEG MIN		DAY MO YR		HR MIN		DRY BULB (°C)	
4425821.66 N		17121.84 W		24 APR 06		0636-7.8-7.17		WET BULB (°C)	
SBE 9+		TIMES		JD/TIME		PRESSURE (mb)		SEA STATE	
PRESS SN		DATA ON				* *		VISIBILITY	
PRI TEMP SN		START DOWN				WIND DIRN. (deg)		WIND SPD. (m/s)	
SEC TEMP SN		AT DEPTH				33302		CLOUD (amt)	
PRI COND SN		AT SURFACE				93		WEATHER	
SEC COND SN		PAR S/N		FLUOR S/N		REMARKS 19304201 dt		BOTTOM DEPTH (m)	
FIRE		DEPTH		ROSETTE POSITION		SALT		NUTRIENTS	
SEQ.		DESIRED						CHL. Bot. no.	
1		6 ft		206		88/101		Phyto. Species	
2		80		206		91/103		ALK (MC)	
3		70		206		91/103		DIC (MC)	
4		60		206		92/104		COMMENTS	
5		50		206		93/105			
6		40		206		94/106			
7		30		206		95/107			
8		20		206		96/108			
9		10		206		97/109			
10		0		206		98/110			
11									
12									
bucket									

PAR on Bridge (Heinsteins m-2s-1) = 25  
 Pump slow starting, brought back on track

MAX. DEPTH = m

VESSEL R/V Thomas G. Thompson		CRUISE ID TM193		PROJECT & LEG ICE06		DSDB I.D. 11T06		STATION DESIGNATION 2643																									
CONSC CAST #		LATITUDE 12.77		LONGITUDE 22.94		DATE JD= 17127.95		TIME (GMT) 0846		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE *		VISIBILITY *		WIND DIRN. (deg)		WIND SPD. (m/s)		CLOUD (amt) *		TYPE *		WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID	
0435817.77N						17127.95W		24APR06		0810-7.6				17		3		21		07										96		C643	
SBE 9+				TIMES		JD/TIME																											
PRESS SN				DATA ON																													
PRI TEMP SN				START DOWN																													
SEC TEMP SN				AT DEPTH																													
PRI COND SN				AT SURFACE																													
SEC COND SN				PAR S/N				FLUOR S/N																									
FIRE		DEPTH		ROSETTE POSITION		SALT		NUTRIENTS		CHL. Bot. no.		Phyto. Species		ALK (MC)		DIC (MC)																	
SEQ.		DESIRED																															
1		bot		86.6		287		<del>172</del>																								Value open	
2		75		75.7				<del>172</del>																								Value open	
3		60		60.8				<del>172</del>																								Value open	
4		50		50.6				<del>172</del>																								Value open	
5		40		40.5				115																								30	
6		30		30.6				116																									
7		20		20.4				117																									
8		10		10.0				<del>118</del>																								Value open	
9		0		2.7				119																									
10																																	
11																																	
12																																	
bucket																																	

SAMPLE BOTTLE NUMBERS

COMMENTS

L15a  
SL165

[illegible]

[illegible]

VESSEL R/V Thomas G. Thompson		CRUISE ID TN193		PROJECT & LEG ICE06		DSOB I.D. 1TT06		STATION DESIGNATION CGHC			
CONSC CAST #		06.13		46.44		DATE JD=		1344		TIME (GMT)	
LATITUDE		DEG MIN		DEG MIN		DAY MO YR		HR MIN		DRY BULB (°C)	
0465886.17N		12145.92W		24APR06		1348-4.6		WET BULB (°C)		PRESSURE (mb)	
SRE 9+		TIMES		JD/TIME		PAR on Bridge ( $\mu$ Einsteins m <sup>-2</sup> s <sup>-1</sup> ) =		SEA STATE		WIND DIRN. (deg)	
PRESS SN		DATA ON						VISIBILITY		WIND SPD. (m/s)	
PRI TEMP SN		START DOWN						CLOUD (amt)		WEATHER	
SEC TEMP SN		AT DEPTH						TYPE		BOTTOM DEPTH (m)	
PRI COND SN		AT SURFACE						MAX. DEPTH =		STA. NAME/ID	
SEC COND SN		PAR S/N		FLUOR S/N				102		CGHC	

  

SEQ.	DEPTH	ROSETTE POSITION	SALT	NUTRIENTS	CHL. Bot. no.	Phyto.Species	ALK (MC)	DIC (MC)	COMMENTS
1	6.0	92.4	21.0		18				
2	7.5	75.6			19				
3	6.0	60.7			26				
4	5.0	50.3			21				
5	4.0	40.2			22				
6	3.0	30.4			23				
7	2.0	20.1			24				
8	1.0	10.4			25				
9	0	2.3			26				
10									
11									
12									
bucket									

VESSEL R/V Thomas G. Thompson		CRUISE ID TN193		PROJECT & LEG ICE06		DSOB I.D. 1TT06		STATION DESIGNATION C7H1																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD =		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
0475817.72N		17127.64W		24 APR 06		1601-4.4		11		22313		96		C7H1																			
SBE 9+		TIMES		JD/TIME																													
PRESS SN		DATA ON																															
PRI TEMP SN		START DOWN																															
SEC TEMP SN		AT DEPTH																															
PRI COND SN		AT SURFACE																															
SEC COND SN		PAR S/N																															
FIRID DEPTH		ROSETTE POSITION		SALT		NUTRIENTS		CHL. Bot. no.		Phyto-Species		ALK (MC)		DIC (MC)																			
SEQ. DESIRED																																	
1																																	
2																																	
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	
bucket																																	

SAMPLE BOTTLE NUMBERS

PAR on Bridge (μEinsteins m-2s-1) = 10

NO ice in sight

1st stations for Lisa

Mandy Jellyfish strings

MAX. DEPTH = m

[illegible]



VESSEL R/V Thomas G. Thompson		CRUISE ID TNT193		PROJECT & LEG ICE06		DSDB I.D. 1TT06		STATION DESIGNATION C7H2																																	
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID									
049		58 23 . 73 N		171 00 . 83 W		24 A P R 0 6		18 29 - 3 . 7		09		20816		85		C7H2																									
SBE 9+		DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		*		*		(deg)		(m/s)		*		*		(m)			
PRESS SN						TIMES				JD/TIME																															
PRI TEMP SN						DATA ON																																			
SEC TEMP SN						START DOWN																																			
PRI COND SN						AT DEPTH																																			
SEC COND SN						AT SURFACE																																			
FIRE		DEPTH		ROSETTE POSITION		SALT		NUTRIENTS		CHL. Bot. no.		Phyto. Species		ALK (MC)		DIC (MC)																									
SEQ.		DESIRED				213		10																																	
1		78.9																																							
2		70.7						11																																	
3		60.7						12																																	
4		50.5						13																																	
5		40.3						14																																	
6		30.0						15																																	
7		20.2						16																																	
8		10.0						17																																	
9		2.5						18																																	
10																																									
11																																									
12																																									
bucket																																									

PAR on Bridge (μEinstens m-2s-1) = 2669  
 ice ~ 1 km ice edge  
 ice edge moving north.

REMARKS  
 MAX. DEPTH = m

VESSEL R/V Thomas G. Thompson		CRUISE ID TN193		PROJECT & LEG ICE06		DSDB I.D. 1TT06		STATION DESIGNATION 2841																									
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
0505827.98		N		17105.18		W24APR06		2237-2.1		08		18025		87		2841																	
SBE 9+		TIMES		JD/TIME		PAR on Bridge (μEinsteins m-2s-1) = 525		REMARKS																									
PRESS SN		DATA ON																															
PRI TEMP SN		START DOWN																															
SEC TEMP SN		AT DEPTH																															
PRI COND SN		AT SURFACE																															
SEC COND SN		PAR S/N																															
FIRED		DEPTH		ROSETTE POSITION		SALT		NUTRIENTS		CHL. Bot. no.		Phyto. Species		ALK (MC)		DIC (MC)																	
SEQ.		DESIRED																															
1		81.3				214		19																									
2		71.1						20																									
3		60.5						21																									
4		50.5						22																									
5		40.4						23																									
6		30.7						24																									
7		20.2						25																									
8		10.2						26																									
9		3.6																															
10																																	
11																																	
12																																	
bucket																																	

bad weather coming in  
quickly. Less visibility  
to breaking up. Too many ill  
pieces  
to Bump

VESSEL R/V Thomas G. Thompson		CRUISE ID TN193		PROJECT & LEG ICE06		DSDB I.D. 1TT06		STATION DESIGNATION																									
CONSC CAST #		LATITUDE 57.78		LONGITUDE 59.82		DATE JD= 1004		TIME (GMT) 1611-7.8		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE *		VISIBILITY *		WIND DIRN. (deg)		WIND SPD. (m/s)		CLOUD (amt) *		TYPE *		WEATHER *		BOTTOM DEPTH (m)		STA. NAME/ID	
051		57.57.78 N		17159.83 W		25 APR 06		1611-7.8		9.8		34.8		15		106		16147															
SBE 9+		TIMES		JD/TIME		PAR on Bridge (μEinsteins m <sup>-2</sup> s <sup>-1</sup> ) =		Snowing ~ 2"/hr		REMARKS		19305161.85																					
PRESS SN		DATA ON																															
PRI TEMP SN		START DOWN																															
SEC TEMP SN		AT DEPTH																															
PRI COND SN		AT SURFACE																															
SEC COND SN		PAR S/N		FLUOR S/N																													
FIRED DEPTH		ROSETTE POSITION		SALT		NUTRIENTS		CHL. Bot. no.		Phyto.Species		ALK (MC)		DIC (MC)																			
SEQ. DESIRED																																	
1 bot		96.7		215		27																											
2 75		96.5				28																											
3 60		61.4				29																											
4 50		50.0				30																											
5 40		40.8				31																											
6 30		29.8				32																											
7 20		20.0				34																											
8 10		10.3				35																											
9 0		2.6				36																											
10																																	
11																																	
12																																	
bucket																																	

33 Mut bottle 1205 W 25578

VESSEL R/V Thomas G. Thompson		CRUISE ID TN193		PROJECT & LEG ICE06		DSDB I.D. 11T06		STATION DESIGNATION																													
CONSC CAST #		36.48 LATITUDE		46.55 LONGITUDE		DATE JD= 0659 TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID							
DEG		MIN		N		DEG		MIN		W		DAY		MO		YR		HR		MIN		(°C)		(°C)		(mb)		22		356		27		98		D1H1	
SBE 9+						TIMES																															
PRESS SN						DATA ON																															
PRI TEMP SN						START DOWN																															
SEC TEMP SN						AT DEPTH																															
PRI COND SN						AT SURFACE																															
SEC COND SN						PAR S/N																															
FIRED		DEPTH				ROSETTE POSITION																															
SEQ.		DESIRED						SALT		NUTRIENTS		CHL. Bot. no.		Phyto. Species		ALK (MC)		DIC (MC)																			
1																																					
2																																					
3																																					
4																																					
5																																					
6																																					
7																																					
8																																					
9																																					
10																																					
11																																					
12																																					
bucket																																					

SAMPLE BOTTLE NUMBERS

FLUOR S/N

PAR on Bridge (μEinstens m-2s-1) = 5.4

MAX. DEPTH =

m

REMARKS

VESSEL R/V Thomas G. Thompson		CRUISE ID TN193		PROJECT & LEG ICE06		DSDB I.D. 1TT06		STATION DESIGNATION																									
CONSC CAST #		36.46 LATITUDE		46.65 LONGITUDE		DATE JD =		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID	
4535836.46 N		12146.74 W		27 APR 06		4712		4717-8.6		.		22		349		28		97		0141													
SBE 9+		TIMES		JD/TIME		PAR on Bridge (Einstein's m-2s <sup>-1</sup> ) = 3.4		REMARKS																									
PRESS SN		DATA ON																															
PRI TEMP SN		START DOWN																															
SEC TEMP SN		AT DEPTH																															
PRI COND SN		AT SURFACE																															
SEC COND SN		PAR S/N																															
FIRE		DEPTH		ROSETTE POSITION		SALT		NUTRIENTS		CHL. Bot. no.		Phyto. Species		ALK (MC)		DIC (MC)		COMMENTS															
SEQ.		DESIRED																															
1		60.4		216		1												Salt for check, 45T held inst															
2		75.9				2												X D19 salt water															
3		60.5				3																											
4		50.6				4																											
5		40.6				5																											
6		30.4				6																											
7		20.2				7																											
8		10.6				8																											
9		0				9																											
10																																	
11																																	
12																																	
bucket																																	

X D18 f.i.H notes  
salinity water for YSI testing

Salt for check, 45T held inst

MAX. DEPTH = m

VESSEL R/V Thomas G. Thompson		CRUISE ID TN193		PROJECT & LEG ICE06		SDSB I.D. 1TT06		STATION DESIGNATION	
CONSC CAST #		LATITUDE 28.25		LONGITUDE 52.22		DATE JD = 1042		TIME (GMT) 1042	
DEG 54		MIN 28		DEG 17		MIN 57		DAY 27	
N		N		P		R		06	
SEC 9+		TIMES		JD/TIME		HR		MIN	
PRESS SN		DATA ON				1042		-8.6	
PRI TEMP SN		START DOWN				23		23	
SEC TEMP SN		AT DEPTH				358		28	
PRI COND SN		AT SURFACE				101		101	
SEC COND SN		PAR S/N		FLUOR S/N		MAX. DEPTH =		m	
FIRE		DEPTH		ROSETTE POSITION		SALT		NUTRIENTS	
SEQ.		DESIRED		SALT		NUTRIENTS		CHL. Bot. no.	
1		60f		92.1				Phyto. Species	
2								ALK (MC)	
3								DIC (MC)	
4								COMMENTS	
5									
6									
7									
8									
9									
10									
11									
12									
bucket									

[illegible]

VESSEL R/V Thomas G. Thompson		CRUISE ID TN193		PROJECT & LEG ICE06		DSDB I.D. 1TT06		STATION DESIGNATION																															
CONSC CAST #		LATITUDE		LONGITUDE		DATE JD =		TIME (GMT)		DRY BULB		WET BULB		PRESSURE		SEA STATE		VISIBILITY		WIND DIRN.		WIND SPD.		CLOUD (amt)		TYPE		WEATHER		BOTTOM DEPTH		STA. NAME/ID							
056		5841.93 N		7141.75 W		27 APR 06		1546-81.0		21		335		20		916		01/113																					
SBE 9+		DEG		MIN		DEG		MIN		DAY		MO		YR		HR		MIN		°C		°C		(mb)		*		*		(deg)		(m/s)		*		*		(m)	
PRESS SN						DATA ON																																	
PRI TEMP SN						START DOWN																																	
SEC TEMP SN						AT DEPTH																																	
PRI COND SN						AT SURFACE																																	
SEC COND SN						PAR S/N																																	
FIRED		DEPTH		ROSETTE POSITION		SALT		NUTRIENTS		CHL. Bot. no.		Phyto. Species		ALK (MC)		DIC (MC)																							
SEQ.		DESIRED																																					
1		87.8				73		20																															
2		75.6						21																															
3		60.4						22																															
4		50.3						23																															
5		40.3						24																															
6		30.2						25																															
7		20.4						26																															
8		10.2						27																															
9		2.7						28																															
10																																							
11																																							
12																																							
bucket																																							

At ice atg. visited yesterday morning  
Looks like it has thickened

MAX. DEPTH = m

PAR on Bridge (Einstein's m-2s-1) = 6

REMARKS



VESSEL		CRUISE ID		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION											
R/V Thomas G. Thompson		TIN193		ICE06		11T06													
CONSC CAST #	DEG	MIN	DEG	MIN	DATE JD-	TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID	
0575840.49 N			17132.31 W		27 APR 06	1903-08.1			22	*	*	338	17		*	*		94	D1H4
SBE 9+		TIMES		JD/TIME		REMARKS													
PRESS SN		DATA ON		PAR on Bridge (μEinsteins m-2s-1) = 226															
PRI TEMP SN		START DOWN		At end of tow ship, covering															
SEC TEMP SN		AT DEPTH		upon major ice mass (high place)															
PRI COND SN		AT SURFACE		to long & deep ship															
SEC COND SN		PAR S/N		FLUOR S/N		MAX. DEPTH = m													
FREQ		DEPTH		SAMPLE BOTTLE NUMBERS															
SEQ.	DESIRED	ROSETTE POSITION		SALT	NUTRIENTS	CHL. Bot. no.	Phyto.Species	ALK (MC)	DIC (MC)	COMMENTS									
1	85.8			74	29						D25								
2	75.9				30														
3	60.5				31														
4	50.6				32														
5	40.4				33														
6	20.3				34														
7	10.4				35														
8	2.5				36														
9																			
10																			
11																			
12																			
bucket		<p>caught ice flow on</p> <p>CTD accl'd skipped</p> <p>30m sample</p>																	

VESSEL		CRUISE ID		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION															
R/V Thomas G. Thompson		TNI 93		ICE06		11T06																	
CONSC CAST #	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(°C)	(mb)	(deg)	(m/s)	(m)	STA. NAME/ID							
585834	4	9	5	1	7	1	20	28	28	A	P	R	0	6	00	32	-7.2	2	20	32	28	94	DI#5
SSE 9+																							
PRESS SN																							
PRI TEMP SN																							
SEC TEMP SN																							
PRI COND SN																							
SEC COND SN																							
PAR S/N																							
FLUOR S/N																							
SAMPLE BOTTLE NUMBERS																							
COMMENTS																							
At ice edge. Seal people just bagged 2 seals Yellowfish tank in CTB																							
MAX. DEPTH = m																							

VESSEL R/V Thomas G. Thompson		CRUISE ID TN193		PROJECT & LEG ICE06		DSDB I.D. 1TT06		STATION DESIGNATION D2H1																									
CONSC CAST #		34.34 LATITUDE		31.05 LONGITUDE		DATE JD= 0518		TIME (GMT) 0521-5.6		DRY BULB (°C)		WET BULB (°C)		PRESSURE (mb)		SEA STATE *		VISIBILITY *		WIND DIRL (deg)		WIND SPD. (m/s)		CLOUD (amt) *		TYPE *		WEATHER *		BOTTOM DEPTH (m)		STA. NAME/ID	
059		5834.28 N		17131.04 W		28 APR 06		0521-5.6						18						30924										95		D2H1	
SBE 9+		TIMES		JD/TIME		PAR on Bridge (μEinsteins m-2s-1) = 94		REMARKS																									
PRESS SN		DATA ON																															
PRI TEMP SN		START DOWN																															
SEC TEMP SN		AT DEPTH																															
PRI COND SN		AT SURFACE																															
SEC COND SN		PAR S/N				FLUOR S/N																											
FIRED		DEPTH		ROSETTE POSITION		SALT		NUTRIENTS		CHL. Bot. no.		Phyto. Species		ALK (MC)		DIC (MC)		COMMENTS															
SEQ.		DESIRED																															
1		65		89.3		76		46										Last slides															
2		75		76.3				47																									
3		60		68.6				48																									
4		50		58.6				49																									
5		40		48.1				50																									
6		30		38.4				51																									
7		20		28.2				52																									
8		10		18.2				53																									
9		0		2.8				54																									
10																																	
11																																	
12																																	
bucket																																	

Not bottle 51 miss 2  
Not bottles 50 & 51  
64 order

[illegible]

VESSEL		CRUISE ID		PROJECT & LEG		DSDB I.D.		STATION DESIGNATION											
R/V Thomas G. Thompson		TN193		ICE06		11T06		D243											
CONSC CAST #	24.99 LATITUDE	53.29 LONGITUDE	DATE JD-		0915 TIME (GMT)	DRY BULB	WET BULB	PRESSURE	SEA STATE	VISIBILITY	WIND DIRN.	WIND SPD.	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH	STA. NAME/ID		
615821	98 N	17157.34 W	28	A	P	R	0	6	0921	-3.6			17			310	23	102	D243
SBE 9+ TIMES JD/TIME																			
PRESS SN	DATA ON																		
PRI TEMP SN	START DOWN																		
SEC TEMP SN																			
PRI COND SN	AT DEPTH																		
SEC COND SN	AT SURFACE																		
PAR on Bridge (μEinsteins m-2s-1) =																			
MAX. DEPTH = m																			
FIREDD DEPTH																			
SEQ.	DESIRED	ROSETTE POSITION	SALT	NUTRIENTS	CHL. Bot. no.	Phyto. Species	ALK (MC)	DIC (MC)	COMMENTS										
1	64	95.0		1					L51										
2	75	75.7		2					S1.25										
3	60	60.7		3															
4	50	50.4		4															
5	40	40.7		5															
6	30	30.4		6															
7	20	20.4		7															
8	10	10.2		8					66										
9	0	2.8		9															
10																			
11																			
12																			
bucket																			